

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

**NATIONAL WATER SUPPLY AND DRAINAGE BOARD
MINISTRY OF HOUSING AND PLANTATION INFRASTRUCTURE
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**

**THE DETAILED DESIGN STUDY
ON
GREATER KANDY WATER SUPPLY
AUGMENTATION PROJECT
IN
THE DEMOCRATIC SOCIALIST REPUBLIC
OF
SRI LANKA**

FINAL REPORT

(DRAFT) TENDER DOCUMENTS

**VOLUME 3
(BILLS OF QUANTITIES)**

MAY 2002

**NJS CONSULTANTS CO., LTD.
NIHON SUIDO CONSULTANTS CO., LTD.**

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Contract GK/JBIC/04 Tender Documents

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Preamble To Bill Of Quantities

Part 1 General

1.1 Application

- A The relevant clause of this Preamble shall be deemed to apply equally to work subsequently ordered for execution by the Contractor, either under provisional sums or variation orders, except where specifically varied therein.
- B In the Bill of Quantities, the sub-headings and item descriptions identify only definitive permanent components and do not state the tasks either basic or incidental required to be carried out by the Contractor nor do they comprehensively register all the materials required. The exact nature and extent of the work to be performed shall be ascertained by reference to the Drawings, Specifications, Tendering Conditions and Conditions of Contract as the case may be, read in conjunction with the matters listed against the relevant heading and item description as described in the Bill of Quantities.
- C Differences in the method of billing and in the phraseology used in various parts of the Bill of Quantities will not be recognized as a basis of any claim for an increase in the Contract Price.
- D No additional items shall be inserted into, nor any alterations made to, any Bill of Quantities.

1.2 Method of Measurement

- A All items of work specified and/or shown on the drawings shall be valued by the measurement of such items only as are included in the Bills of Quantities, which items shall cover all costs incurred by the Contractor in fulfillment of his obligations under the Contract.
- B The net measurement or weight of the finished work in place will always be taken, and, except where otherwise stated, or where separate items are provided, no allowance will be made for cutting, wastage, working space, overlaps, circular work, etc., and no deductions will be made for grout nicks, rounded arises, bulking or shrinkage and the like.
- C Payment will be made for only those materials, which are installed in the permanent works and taken over to the stocks as specified in the Specifications to the approval of the Engineer. Construction materials supplied and delivered to the site by the Contractor which become surplus to the above requirements shall become the property of the Contractor who shall reimburse the Employer any money that was paid to the Contractor for the supply and delivery to the site of the surplus materials.

1.3 Units and Extension of Bill of Quantities

- A All sizes and quantities have been entered in the Bill of Quantities in metric units. Figures with decimals, including sums of money are written with a full stop in the integer position.
- B The format of the Bill of Quantities is such that it allows the Tenderer to insert rates both local currency (Sri Lanka Rupees) and foreign currency (Japanese Yen [¥]) components for each item. For specific items of imported goods, further columns are provided for the Contractor to insert the rate (in Sri Lankan Rupees) payable on each item for customs duty, cess, National Security Levy, excise duty etc. The total of local currency together with the

foreign currency components for each item (including the rate for customs duty etc., where relevant) will be the contract rate for the item.

1.4 Rates and Sums to be for Work Complete

A Notwithstanding any limits which may be implied by the wording of the individual items and/or explanation in this preamble, it is to be clearly understood by the Contractor that the rates and sums which are entered in the Bill of Quantities shall be the full inclusive value for the work, finished complete in every respect, whether separately or specifically described in the Contract Documents or not. The Contractor shall be deemed to have taken full account of all requirements and obligations, whether expressed or implied, covered by all parts of this Contract, and to have priced the items herein accordingly. The rates and sum must include for all incidental and contingent expenses and risks of every kind necessary to construct, complete and maintain the whole of works in accordance with the Contract. Full allowance shall be made in the rates and/or sums, inter alia, which are referred to and/or specified herein:

- paying fees and giving notice to authorities;
- payment of all patent rights and royalties;
- all site investigations which may be necessary;
- all setting out and survey work;
- safety precautions and all measures to prevent and suppress fire and other hazards;
- interference to the works by persons, vehicles, vessels and the like using the existing land and water facilities;
- full maintenance of access to the existing roads in motorable condition and waterways during the period of construction;
- works in connection with the protection and safety of adjacent structures;
- maintaining public roads and footpaths and maintaining access upon existing roads or recognized routes;
- temporary fencing, watching, and lighting;
- supporting faces of excavation, temporary or permanent shoring, shuttering & scaffolding etc.
- dewatering, if required, and working in the dry except where otherwise permitted by the specification;
- supply, inspection, sampling and testing of materials and of the Works under construction, including the provision and use of equipment;
- except where separate items are provided for bringing plant to the site and removing on completion, for providing, transporting to site, setting to work, operating (including all fuel and consumable stores), maintaining and removing from the site upon completion all construction plant and equipment necessary for the execution of the work, including the cost of all tests and other requirements in respect to such plant and equipment;
- the recruitment, bringing to and from the site, accommodating and feeding and all incidental costs and expenses involved in the provision of all necessary skilled and unskilled labour and supervision;
- supplying, maintaining and removing on completion the Contractor's own accommodation, offices, stores, workshops, transport, welfare services and all charges in connection therewith;
- reinstatement of the site to the satisfaction of the Engineer;
- all costs of design, drawings, and related data for materials, pipework and equipment;
- all costs arising out of inspection and testing at manufacturers' works before dispatch of materials, pipework and equipment;

- all ancillary parts, minor fittings, bolts, nuts, gaskets, washers, fixings, etc. joining materials, protective coatings and sleeves and other items not specifically listed, but necessary for the proper installation of the materials, pipework and equipment;
 - all costs of packaging and protection for export and storage for materials, pipework and equipment;
 - all costs of freight, insurance and related documentation for shipment to Sri Lanka for materials, pipework and equipment;
 - all costs of custom duty, cess, GST, NSL, surcharges and excise duty etc for materials, pipework and equipment;
 - all costs of unloading at the port, road transport, offloading, stacking and storage in temporary sheds or weather proof sheds etc. and double handling as required at site for materials, pipework and equipment;
 - drawings and reports required during the execution of the works;
 - as built drawings, operation and maintenance manuals and close out reports.
- B No claim will be considered for further payment in respect of any work or method of execution, which may be described in the Contract or is inherent in the construction of the work and detailed on the drawings on account of:
- items omitted from the Bill of Quantities, but depicted on the drawings.
 - any omission from the wording of the items or from a clause in the Preamble or
 - no mention of such work or method of execution having been in the Preamble.
- C Each item in the Bill of Quantities is to be priced. Items against which no rates or sums are entered by the Contractor, whether quantities are stated or not, will not be paid for when executed, but will be regarded as covered by rates and sums set against other items in the Bill of Quantities.
- D The quantities set out in the Bill of Quantities are the estimated quantities of the work and they shall not be taken as the actual and correct quantities of the works to be executed by the Contractor in fulfillment of his obligations under the Contract.
- E The Contractor shall be deemed to have taken into account all of the following in his Tender prices and his construction programmes:
- all recognized holidays, festivals, religious and other customs;
 - any stoppage of work or delays due to adverse weather conditions.

1.5 Rates and Sums to Bear Proper Relation to Work Described

The rates and sums entered by the Contractor against all items in the Bill of Quantities shall bear a proper relationship to the cost of carrying out the work described in the Contract. All on-costs and similar charges which are applicable to the Contract as a whole are to be spread over all the rates in the Bill of Quantities, whilst those which are applicable only to particular sections of the Contract are only to be spread over items to which those sections refer.

1.6 Provisional Sum Items

- A Provisional Sums are represented by the words ‘Provisional Sum’ entered under the description and shall be dealt with as provided for in the Conditions of Contract.
- B Provisional Sum items are followed by an item where the Contractor shall indicate, as a percentage, all his financial and administrative costs including costs of liaison with external agencies, profits, overheads and any other costs for the “Provisional Sum” item. This percentage will be the basis of assessing the actual amount payable to the Contractor.

1.7 Provisional Quantity Items

Items in the Bill of Quantities designated as “Provisional Quantity” in the description column indicate that the quantities for the work covered by such items are the best possible estimates that can be made in advance of the execution of the work, or that the provision of such facilities as are described in the items, may not, in the event, be required under the Contract. All items so designated will be used only at the direction and discretion of the Engineer, and if not used either wholly, or in part shall, as to the amount not used, be deducted from the Contract Sum. Where such items consist of a sum, the Contractor shall enter a ***lump sum*** which shall be the price for the work if executed, as distinct from a ‘Provisional Sum’ as defined herein. No claim will be entertained in respect of overhead charges or any other costs which may allegedly result from the omission of all or part of the work covered by such “Provisional Quantity” items.

1.8 Payment of Items on a Monthly Basis

Payment for items which are measured on a monthly basis will not be made until the full facilities described in the items and the specification have been provided to the satisfaction of the Engineer. Payment will continue until such time as the Engineer shall signify that facilities are no longer required.

1.9 Payment of Lump Sums

- A Lump Sum items, and where the Tender includes additional items for complying with the General Conditions etc., will be paid on the basis of a proportion of the respective lump sum in the same ratio as the value of the work complete bears to the total value of the Contract.
- B Lump sum items which are related to specific work will be paid on the basis of the proportion of actual work done to the total work of that specific item as assessed by the Engineer.
- C Items with quantities and units will be paid against number of units used and/ or incorporated in the works.

1.10 Facilities for Engineer

- A The sums entered to cover **the cost of the Engineer’s site offices** are to include erection, and subsequent removal on completion, for provision of all the items specified and also for the supply of electricity, water supply, telephone connection ,electrical and electronic appliances and other facilities.
- B The sums entered **to cover the maintenance of above facilities** are to include the payment for provision of electricity, gas, water, telephone, cleaning and security services etc. The sums shall also include for the maintenance and routine servicing of all electrical and electronic appliances, and making good of all defects of all equipment and furnishings immediately prior to the handing over to NWSDB.
- C The sum entered **to cover the cost of assistance to the Engineer** shall include for labour, materials and equipment specified.

1.11 Protection of Completed Work and Clearing upon Completion

The Contractor shall allow in his rates for protecting completed work from subsequent operations, making good all damage to complete work, for clearing away all rubbish as it accumulates, and leaving the site in a tidy condition to the satisfaction of the Engineer.

1.12 Rates

In addition to the breakdown of the tendered rates and lump sums in the Schedule of Rates attached to the Bill of Quantities, the Contractor may be required to provide the Engineer with a full and detailed Rate Breakdown within 48 hours of being so requested. The breakdown is to show the actual calculations of the Labour, Plant/Equipment and Materials costs for the works, the build-up of measured rates with profit and overheads and any other allowances used to arrive at the Tender Prices.

1.13 General

Unless specific items have been provided for in the Bill of Quantities no separate measurement shall be made in respect of items, whether specified or not, requiring mortar/sealant; assembling, building-in or fixing to blockwork, concrete, metalwork or timber; painting and protective treatment; welding; drilling; bolting inclusive of bolts, nuts and washers; screws, nails and plugs; jointing and joint materials; boxing out and filling thereof; grouting; packing; bedding; insulation between different metals, making good; conduits and fittings; cutting; waste; labour; materials; and all incidental work to the items concerned and their surroundings.

Part 2 Site Work

2.1 Site Clearance

Rates for site clearance shall include for, but not be limited to, the removal and grubbing out of all trees, shrubs, boulders or other debris from the area of the site and legal disposal of same to tip provided by the Contractor. The measurement shall be the plan area of the area as expressly required to be cleared by the Engineer.

2.2 Excavation - General

- A The rates and prices for excavations shall be for, but not be limited to, all types of ground encountered, except rock, including those above, or below, water level. The Contractor must make allowance for the possibility of permission not being granted for the use of explosives.
- B In no case shall any of the following be included in the measurement for payment:
- quantity of any excavations performed prior to the taking of measurements of the undisturbed, original, natural ground;
 - quantity of excavation required due to the swelling of the foundation when driving piles;
 - removal of slides, cave-ins, silting or filling due to the action of the elements or weather and/ or carelessness of the Contractor.
- C For unsuitable material, the excavated material shall be measured as the volume of material directed to be removed by the Engineer.
- D No allowance shall be made for any bulking or for any extra transport required due to bulking.
- E Excavation in rock which shall, in all cases, be measured **extra over**, shall be by volume from the level at which rock is encountered. For trench excavation the volume measured shall be to the maximum bottom width of trench permitted under the Specification or actual width, whichever is less, and the depth to pipe invert. An isolated volume rock or concrete occurring within other material to be excavated shall not be measured separately

unless its volume exceeds 1m^3 except that the minimum volume shall be 0.25m^3 where the net width of excavation is less than 2.5m.

F The rates shall include, but not by way of limitation, for:

- for clearing any scrub or other vegetable growth including all trees and for legal disposing of the whole of the cleared material to tip provided by the Contractor;
- excavation to the correct depth to the net dimensions as indicated on the Drawings and preserving the bottoms of excavations in a state suitable for the reception of concrete, pipes or pipe bedding, and no payment will be made for any concrete or pipe bedding required for filling over-excavated volumes or disturbed areas;
- any additional excavation required for working space, temporary or permanent shoring, and subsequent refilling, compacting and disposal of surplus excavated material;
- taking all precautions by supporting faces of excavation to ensure the safety of the workmen and to prevent damage to adjacent walls, buildings and all other structures and services and to prevent damage to road and other surfaces by slip or **breaking away of trench sides** or other cause, including permanent and/ or temporary shoring of trenches;
- keeping the site and trenches and all other excavations in a dry condition and free from water from whatever cause arising;
- all obligations with respect to trial holes
- all temporary and permanent measures required to protect and support all existing pipes, cables and services, including all chambers, gullies and foundations thereto, or repair or replace them should they become damaged due to the Contractor's activities;
- trimming the bottoms of excavations including bottoming to falls, and trimming to sloping surfaces, where required or specified, including foundation preparation as specified;
- provision of storage areas for the temporary storage of any material required for backfilling which cannot be stored alongside the excavation for any reason, together with the cost of loading, transporting, including disposal of surplus, and unloading such material; disposal of rock to a site approved by the Engineer: and all other charges incurred in this respect;
- backfilling to structures and pipelines including all multiple handling, spreading, levelling, watering, compaction, trimming each layer and testing of backfill all as specified ;
- all barriers, watching, lighting, warning signs, traffic control and any other measures necessary to ensure complete safety around the area of the works;
- temporary and permanent reinstatement of all affected surfaces and structures except where separate items are included for permanent road reinstatement.

2.3 Structure Excavation

For structures, the volume of material excavated shall be the product of the horizontal plan area of the base of permanent work constructed, and the mean depth below ground level. The mean depth shall be measured to the underside of the specified blinding concrete.

2.4 Pipework

A Pipe Laying

- 1 Pipe laying shall cover all things necessary to provide, install, lay and test the complete pipeline without limitation including storing, transporting, handling, site clearance, excavation (other than rock excavation), dewatering, granular bedding, concrete barriers, selected fill material, laying, cutting and forming short lengths of pipe, jointing, welding when approved, installation of polyethylene sleeve for DI

- pipelines, incorporation of all required pipe specials, couplings and fittings, special pipe and fitting protection (including flexible couplings, flange adapters, flanged joints, ferrules, saddle straps, nuts, bolts and washers), provision and installation of detectable marker tape, painting where specified, connections to existing mains, backfilling, compacting and testing thereof, removal and proper disposal of surplus excavated material, temporary and permanent support blocks to pipes, temporary and permanent reinstatement (permanent reinstatement in roads is paid for separately as specified) and all other things necessary for pipeline installation and commissioning not measured separately under other items provided in the Bill of Quantities.
- 2 Payment will be by depth band from ground level to invert level of pipe. The depth of pipelines shall be the average depth to invert calculated as the arithmetic mean of measurement of depth from original ground level to the invert level of the pipe taken at every 10m and at change of direction. For lengths of pipelines less than 10m long the measurement of depth shall be the average depth from original ground level to the invert level of the pipe measured at each end of the pipeline.
 - 3 The quantities for laying of pipes shall be measured by length of pipe, for each material, class and size, along its centre line measured from the first joint outside of a structure by using steel tape or laser measuring equipment to the joint nearest to the outside of the next structure. No deduction will be made for pipes or fittings in thrust blocks and for valves and fittings buried directly in the ground. Such fittings and valves will be measured extra over the pipeline cost. The cost shall include (where required) extended spindles, key heads, surface box assembly with protection pipes and all fixings and painting as required and as depicted on the Drawings or specified in the Specification.
 - 4 Concrete for thrust blocks shall be measured in cubic metres and shall include for all work necessary to complete the block, including excavation and backfilling, blinding, formwork, reinforcement, reinstatement, etc.
 - 5 Pipework, valves and fittings inside structures, from the outside joint nearest to the structure will be included in the cost of the internal pipework for the structure, or as otherwise specified.
 - 6 Pipeline structures including pipe bridges, valve chambers, air valve chambers, washout chambers, sumps, manholes and the like shall be measured by number and shall include for all work necessary to complete the structure, excluding piling, but including excavation and backfilling, blinding, formwork, concrete, blockwork, reinforcement, rendering, waterproofing, structural steelwork, metalwork including ladders or step irons, protective coatings, etc. and all connecting pipes, valves, fittings, surface boxes, covers, including all necessary supports, hangers, clamps and for all building in of the pipes.
 - 7 Crossings of watercourses and culverts, except where detailed as a pipe bridge, shall not be measured separately and the specified requirements including trench cut-off walls, riprap and concrete surround, shall be included in the appropriate rate for the pipeline section.
 - 8 Concrete surround of the pipework and fittings shall be measured extra over by linear metre along the length of the pipeline.
 - 9 Geotextile surround to granular bedding, if necessary, shall be measured extra over by linear metre along the length of the pipeline.

10 No separate valuation shall be made in respect of concrete barriers; interconnecting pipework; detectable marker tape; polyethylene sleeving; survey of all underground utilities and trial holes. The Contractor's costs for meeting his obligations under the Contract with respect to these items shall be deemed to be included in the rates for pipe laying.

B Connection to Existing Pipelines

In addition to other requirements of this preamble, rates for connecting to, or capping off, existing pipework shall include but not by way of limitation for:

- co-ordinating the work with the NWSDB;
- any work necessary outside normal working hours or days;
- ascertaining the precise outside diameters of existing pipes prior to placing orders for couplings etc;
- arranging for the location, isolating and drainage of the existing main;
- re-commissioning.

C Pressure Testing, Disinfection and Cleaning

Lump sum items for pressure testing and disinfection and cleaning shall cover costs of, but not be limited to, all materials including water, labour, tools and equipment and incidentals necessary to complete the required work for the pipelines and all associated fittings and chambers, disconnecting and reconnecting any pipes and specials, any excavation and backfilling involved. The amount for these items will only become payable when the Engineer approves the successful test results.

D Permanent Reinstatement in Roads

The estimated costs agreed by the Engineer with the roads authority will be paid by the Contractor to the authority and the Contractor will be reimbursed from Provisional Sums included in the Bills of Quantities.

- 1 The estimated costs are based on the maximum trench widths specified, and the type of road surface to be repaired. Upon completion of the work the reinstatement cost will be recalculated by the authority following joint re-measurement. Any excess expenditure due to exceeding the maximum pipeline trench widths or due to consequential damage to the road surface arising from the Contractor's work in the roads, shall be borne by the Contractor.
- 2 For reimbursement of actual amounts due, the Contractor shall produce all measurement certificates and payment receipts from the authority.

2.5 Fill

Fill shall be measured as the net volume, above ground level, of the permanent earthwork to the dimensions shown on the Drawings or directed by the Engineer, irrespective of source of material. The rate shall include for, but not be limited to, selection, handling, placing, and compaction of excavated or imported material.

2.6 Piling

- A The Contractor shall allow in his rates for all costs of ascertaining the subsoil conditions at the various sites and for all detailed calculations; method statements to the Engineer for approval; submittals and records including presentation of test results.
- B The rates shall include all costs for providing all piling equipment to site; setting up; dismantling and removal on completion; moving, setting up and dismantling at different pile locations; idle time for labour and plant during tests or while soil samples are taken

and analysed; removal of artificial or natural obstructions; preliminary test piles; and preparation of the exposed pile head and reinforcement to receive capping.

- C Driven piles shall be measured net as length of pile driven, measured from pile toe to pile cap soffit. Rates for piles shall include but not be limited to the costs of provision of all materials (exclude reinforcement), labour, plant and tools needed to manufacture, transport, store, pitch, drive, pile extensions, cut off surplus, strip pile head, and provide and effect all other incidentals necessary for the complete installation of piles. Reinforcement will be paid for separately.
- D Cast in situ piles shall be measured net as length of pile measured from pile toe to pile cap soffit. The rate for piles shall include, but not limited to the cost of casings, linings, dewatering, excavation and boring, forming enlarged base by reaming, disposal of excavated material, concrete placement underwater, use of any drilling fluids, provision of equipment and labour to safely descend shafts for inspection, backfilling of open shafts and filling of annulus of pre-bore, provision of all material (excluding reinforcement), labour, plant and tools needed for the whole work, all other incidental costs necessary for the complete installation of piles. Reinforcement will be paid separately.
- E The rate for testing of piles as specified shall include the cost of all plant, equipment, tools and labour to carry out the load tests to the approval of the Engineer.

2.7 Marker and Boundary Posts

Rates for erection of marker and boundary posts shall include, but not be limited to, for all excavation, refilling, ramming, disposing of surplus, concrete, shuttering, reinforcement, making good ground surface, information plates and fixing and painting. In addition boundary posts shall be engraved with the NWSDB logo and the letters "NWSDB" and marker posts engraved as specified.

Part 3 Concrete Work

3.1 Concrete

- A **The rate for structural concrete** shall include, but not be limited to:
- all costs incurred in determining the mixes and testing of materials to satisfy the Specification (including any admixtures);
 - supplying all materials, storing, mixing, transporting, placing and compaction;
 - provision of all blinding concrete;
 - preparing the surface of previously executed work to provide the necessary bond with new concrete.
 - achieving specified tolerance;
 - forming slopes, falls and the like;
 - forming holes or boxing out for pipes, bolts, frames for covers and other steel work;
 - building-in pipes, ducts, conduit, junction boxes, bolts, frames, steelwork, etc;
 - forming 25 mm chamfers on all external arises to exposed concrete;
 - forming all construction joints, stop ends, temporary stops and shuttering;
 - providing and removing all shuttering/formwork and all scaffolding, centering, fabricating, assembly, cutting, fittings and fixing in position and taking all measures necessary to produce the required shapes of concrete;
 - curing the concrete and all measures to protect freshly poured concrete;
 - rubbing down etc. and making good the concrete surfaces to provide the specified finishes;

- making and testing of all test cubes and all testing and remedial work ordered by the Engineer consequent to the results of tests falling below the minimum specified;
 - all overtime working to maintain continuity of casting;
 - **all daily returns to the Engineer;**
 - leakage testing of water retaining structures including provision and legal disposal of water;
 - cleaning & disinfection of structures including provision of water & chemicals required for the operation and legal disposal.
- B Except where included in specific items, the measurement of concrete shall be by cubic metre. No deductions will be made for channels, recesses, or rebates less than 600 mm girth, for 25 mm chamfers nor for holes or ducts formed in the concrete less than 1000 mm girth.
- C No separate measurement will be made for shuttering/formwork. The cost thereof shall be deemed to be included in the rates for concrete work.

3.2 Steel Reinforcement

- A The rates for bars and fabric reinforcement shall include, but not be limited to, for providing drawings and bar bending schedules, samples, testing, supplying, transporting, storing, cleaning, cutting, bending, distributing throughout the works, fixing and supporting in position, for all binding wire (and for welding, where indicated) and all labour necessary.
- B The unit of measurement for steel reinforcement, where measured separately, is the tonne (t) and the weight of steel shall be calculated net, with no allowance made for wastage or laps and the cost of these will be deemed to be covered in the rates.
- C The weight of steel supports, spacer bars and ties used to locate and hold the reinforcement in place is not included in the quantity and the cost of these will be deemed to be covered in the rates.

Part 4 Masonry

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings;
- samples for the Engineer's approval;
- supply, installation and fixing of all materials;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 5 Metals

Provisions covered under this section shall be included in the item(s) provided in the Bills of

Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including supports;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 6 Wood & Plastic

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including supports;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 7 Thermal and Moisture Protection

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including supports;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 8 Doors and Windows

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in

the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including ironmongery and glazing;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 9 Finishes

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including beddings, screeds, skirtings and joints;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 10 Specialities

Provisions covered under this section shall be included in the item(s) provided in the Bills of Quantities and shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. Rates for items shall include, but not be limited to:

- shop drawings
- samples for the Engineer's approval;
- supply, installation, fixing and building in of all materials including supports;
- all cutting and finishing at openings;
- wastage;
- temporary works;
- protection of other works;
- all testing;
- leaving the whole of the work in perfect condition on completion.

Part 11 Equipment, Part 12 Furnishings, Part 13 Special Constructions, Part 14 Conveying Systems, Part 15 Mechanical Work, Part 16 Electrical Work

- A The supply of equipment, piping and materials shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. The work shall include product design, manufacturing, inspection and testing, provision of the specified accessories and spare parts, packing, shipment, expenses for custom clearance and other taxes, in-land transportation, delivery to the place at site designated by the Engineer, safeguarding and protection from inclement conditions during storage prior to, and after, installation. Payment shall be full compensation to cover all the Contractor's obligations under the Contract for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the said works.
- B The installation works of the supplied equipment, piping and materials specified above shall be valued by the measurement of such items only as are included in the Bills of Quantities. If no specific item is provided then the work is deemed to be included in the Contractor's other rates. The work shall include all multiple handling necessary prior to installation, including during storage and carrying in to the site, installation including all necessary permanent and temporary supports, building in, painting, calibration, performance testing, and any other works necessary to meet the requirements shown on the drawings and/or specified. Payment shall be full compensation to cover all the Contractor's obligations under the Contract for providing all materials, labour, tools, equipment, and incidentals necessary to complete the said works.
- C Rates for cables laid in trenches shall include, but not be limited to, excavation, backfilling and reinstatement, laying the cables and supply and laying indicator tapes and/or protection tiles, testing.
- D Rates for the installation of buried valves shall include, but not be limited to, the supply and construction of protection tubes, surface box and concrete surround.
- E Where approved amendments are required to the civil designs due to electrical or mechanical equipment offered not being in accordance with the general dimensions indicated on the Drawings, then payment shall be made at tender rates against the net quantities of civil work valued by the measurement of such items only as are included in the original Bills of Quantities and executed in accordance with the amended designs produced by the Contractor and approved by the Engineer.

End of Preamble

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No. GN 1 Common Works

GENERAL

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Allow for all costs and expenses for complying with the General Conditions of Contract and General Requirements in Specifications (Note: Any services not specifically provided for herein will be deemed to be included in the rates of other items in the BOQ)						
GN 1 - 1	All insurances in accordance with Clouse 21 of the Conditions of Contract	Sets	2				
GN 1 - 2	Performance Bond in accordance with Clouse 10 of the Conditions of Contract	Item	Sum				
GN 1 - 3	Engineer's main office and removal on completion as specified in Section of the Specifications	Item	Sum				
GN 1 - 4	Maintain Engineer's main office as specified in Section of the Specifications	Month	30				
GN 1 - 5	Engineer's mobile offices and removal on completion as specified in Section of the Specifications	Item	Sum				
GN 1 - 6	Maintain Engineer's mobile offices as specified in Section of the Specifications	Month	30				
GN 1 - 7	Contractor's temporary site facilities and removal on completion as specified in Section of the Specifications	Item	Sum				
GN 1 - 8	Attendance on the Enginner as specified in Section of the Specifications	Month	30				
GN 1 - 9	Initial photographs as specified in Section of the Specifications	Item	Sum				
GN 1 - 10	Monthly progress photographs as specified in Section of the Specifications	Month	25				
GN1 - 11	Fixed project identification signboards as specified in Section of the Specifications	Nr	4				
GN1 - 12	Mobil project identification signboards as specified in Section of the Specifications	Nr	2				
GN1 - 13	Safety Signboards as specified in Section of the Specifications	Nr	2				
GN1 - 14	As built drawings, records and manuals as specified in Section of the Specifications	Item	Sum				
Total of page BOQ - 1 to GN 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No. GN 1 Common Works

GENERAL

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
GN1 - 15	Allow for trial operating period upon issuance of Taking-over certificate. Rate to include for continued presence of competent and responsible supervisory staff including an experienced Treatment Plant Operation and Maintenance Engineer and an Instrumentation (Provisional)	Day	120				
GN1 - 16	Allow for continued presence of the experienced Treatment Plant Operation and Maintenance Engineer for the balance maintenance period (Provisional)	Day	275				
GN1 - 17	Inspection and testing of materials by the Engineer at manufacture's works as specified in Section of the Specifications (Provisional)	Item	Sum				
GN1 - 18	Contractor's percentage on above item 17 (15 %)	%					
GN1 - 19	Supply of maintenance tools, fire extinguishers and equipment as directed by the Engineer (Provisional)	Item	Sum				
GN1 - 20	Contractor's percentage on above item 19 (15 %)	%					
GN1 - 21	Payment to Relevant Road Authority for permanent reinstatement of roads in accordance with Clause 78 of the Conditions of Contract (Provisional)	Item	Sum				
GN1 - 22	Contractor's percentage on above item 21 (15 %)	%					
GN1 - 23	Payment for permanent reinstatement of A-line roads in accordance with Clause 78 of the Conditions of Contract (Provisional)	Item	Sum				
GN1 - 24	Contractor's percentage on above item 23 (15 %)	%					
GN1 - 25	Payment for work carried out as directed by the Engineer in accordance with Clause 59 of the Conditions of Contract (Provisional)	Item	Sum				
GN1 - 26	Contractor's percentage on above item 25 (15 %)	%					
GN1 - 27	Permanent diversion, support, protection or replacement of existing services as directed by the Engineer (Provisional)	Item	Sum				
GN1 - 28	Contractor's percentage on above item 27 (15 %)	%					
Total of page BOQ - 2 to GN 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No. GN 1 Common Works

GENERAL

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
GN1 - 29	Additional soil investigations as directed by the Engineer (Provisional)	Item	Sum		Nil		Nil
GN1 - 30	Contractor's percentage on the above item 29 (15 %)	%			Nil		Nil
GN1 - 31	Chemical sement for clear water reservoir construction works (Provisional)	Item	Sum		Nil		Nil
GN1 - 32	Contractor's percentage on the above item 29 (15 %)	%			Nil		Nil
GN1 - 33	Landscaping at Water Treatment Plant as directed by the Engineer (Provisional)	Item	Sum		Nil		Nil
GN1 - 34	Contractor's percentage on the above item 31 (15 %)	%			Nil		Nil
GN1 - 35	Provisional Sum for dayworks in accordance with Clause 52.4 of the Conditions of Contract (Provisinal)	Item	Sum		Nil		Nil
GN1 - 36	Contractor's percentage on the above item 33 (15 %)	%			Nil		Nil
GN1 - 37	Allow for Price escalation in accordance with Clause 70 of the Conditions of Contract (Provisional)	Item	Sum		Nil		Nil
Total of page BOQ - 3 to GN 1 Bill Summary							Nil

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No. GN 1 Common Works

GENERAL

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
GN 1	Page BOQ - 1 of Bill GN 1 Page BOQ - 2 of Bill GN 1 Page BOQ - 3 of Bill GN 1		Nil
GN 1-SUM	Total of GN 1 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.GN - SUM

GENERAL

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
GN - 1	Common Works		
GN-SUM	Total of General to Grand Summary		

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 1: Site Work

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	This Bill rate should include for the complete execution of the works as depicted in relevant drawings, as specified in technical specification and as per site conditions.						
	<u>Preparation Work</u>						
IN 1 - 1	Allow for clearing site, up root trees and disposal of debris.	Item	Sum				
IN 1 - 2	Allow for cutting and forming of earth to the grades depicted in drawings including disposal of surplus excavated material as directed.	m ³	1,117				
IN 1 - 3	Allow for filling, forming and compacting excavated earth to the grades as depicted in drawings	m ³	1,117				
IN 1 - 4	Allow for filling, forming and compacting imported earth to the grades as depicted in drawings	m ³	781				
	<u>Road works / paved areas</u>						
IN 1 - 5	Allow for construction of asphalt paved areas as depicted in drawing, and arrangement of periphery foot-pass (neighborhood of Intake Place), parking lot (neighborhood of Balancing Tank) etc.,.	m ²	5,024				
	<u>Site Protection</u>						
	Allow for construction of storm water drains as depicted in drawings.						
IN 1 - 6	a) 500mm x 500mm	m	114				
IN 1 - 7	b) 500mm x 300mm	m	114				
IN 1 - 8	c) 300mm x 300mm	m	115				
IN 1 - 9	Allow for gabion walls as depicted in drawing.	m ³	871				
Total of page BOQ - 6 to IN 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 1: Site Work

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 1- 10	Chain link fence with foundation, posts etc. complete as depicted in drawing.	m	459				
	Allow for supply & erection of gate as depicted in drawing.						
IN 1- 11	a) 4 m x 2.5 m	Nr	1				
Total of page BOQ - 7 to IN 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>This Bill rate should include for the supply of the equipment as depicted in relevant drawings, as specified in technical specification and as per site conditions.</p> <p>(1) GUARD HOUSE</p> <p><u>Excavation and Earth Work</u></p> <p>The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.</p>						
IN 2 - 1	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
IN 2 - 2	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	135				
IN 2 - 3	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	21				
	<p><u>Filling</u></p>						
IN 2 - 4	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	15				
	<p><u>Disposal of Water</u></p>						
IN 2 - 5	Allow sum for disposal of surface water	Item	Sum				
Total of page BOQ - 8 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Termite Treatment</u>						
IN 2 - 6	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
IN 2 - 7	a) 75mm thick screed	m ²	36				
IN 2 - 8	b) Floor slab	m ³	3				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
IN 2- 9	a) Columns bases and stems	m ³	1				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
IN 2- 10	a) Lintols	m ³	3				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
IN 2- 11	a) Columns bases and stems	m ²	6				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
Total of page BOQ - 9 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 12	a) Lintols Reinforcement	m ²	33				
IN 2- 13	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	62				
IN 2- 14	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete Manhole/Steps Manhole as per detail drawing	kg	236				
IN 2- 15	a) MH-10 (600mm x 600mm)	Nr	1				
IN 2- 16	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc. Masonry Work	m	7				
IN 2- 17	Random rubble masonry in cement and sand 1:5 using to 225mm size broken stone in foundations.	m ³	18				
IN 2- 18	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level Water Roofing	m ²	13				
IN 2- 19	Provide Damp proof course on top of foundations comprising 20mm thick 1:3 cement, sand screed finished with two coats of hot asphalt/DPC tar and blinded with sand.	m ²	19				
Total of page BOQ - 10 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 20	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm	m ²	41				
	<u>Painting</u>						
IN 2- 21	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	58				
IN 2- 22	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	33				
IN 2- 23	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	77				
IN 2- 24	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	28				
	<u>Water Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	<u>A - Waste Water Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
IN 2- 25	a) Nominal 110mm dia. pipes	m	2				
IN 2- 26	b) Nominal 50mm dia. pipes	m	3				
Total of page BOQ - 11 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 27	c) Nominal 40mm dia.pipes Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.	m	2				
IN 2- 28	a) 110mm x 50mm swept junction	Nr	1				
IN 2- 29	b) 50mm x40mm reducing socket	Nr	2				
IN 2- 30	c) 110mm dia. short bend 87.5 ⁰	Nr	2				
IN 2- 31	d) 110mm dia. Media plain "Y" junction Furnish and install pipe ancillaries and connect to perfect working order	Nr	2				
IN 2- 32	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing <u>B - Sewerage Disposal System</u> Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.	Nr	1				
IN 2- 33	a) Nominal 110mm dia. pipes Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.	m	4				
IN 2- 34	a) 110mm dia. Plain Y Junction	Nr	1				
IN 2- 35	b) 110mm dia. short bend 87.5 ⁰	Nr	2				
Total of page BOQ - 12 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 36	c) 110mm dia. Plain Y junction with back door	Nr	1				
IN 2- 37	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing	Nr	2				
IN 2- 38	Construct septic tank for 10 persons as per standard detail drawing	Nr	1				
IN 2- 39	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
IN 2- 40	Test and commission waste water and Sewerage Disposal System	Item	Sum				
	<u>Roof Frame & Covering</u>						
IN 2- 41	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	72				
IN 2- 42	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	10				
IN 2- 43	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	72				
	<u>Roof Plumbing</u>						
IN 2- 44	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	14				
IN 2- 45	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	20				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 46	<p>Wood Work</p> <p>Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.</p> <p>Metal Work</p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p>A- Aluminium Doors</p>	m	21				
IN 2- 47	Door type D1 size 900mm x 2700mm Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm thick plywood backing and 5mm thick clear, float, glass single sash door with aluminium louver above.	Nr	2				
IN 2- 48	Door type D2 size 800mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet (both sides) single sash door	Nr	1				
IN 2- 49	Door type D3 size 1200mm x 2700mm aluminium framed 20 gauge colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door with aluminium louver above.	Nr	1				
IN 2- 50	<p>B- Aluminium Windows</p> <p>Window type W1 size 2000mm x 1800mm alluminium framed 5mm thick clear float glass three sash windows with alluminium louvers above.</p>	Nr	1				
IN 2- 51	Window type W2 size 1200mm x 1800mm alluminium framed 5mm thick clear float glass two sash windows with alluminium louvers above.	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 52	Window type W3 size 900mm x 1500mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers above.	Nr	4				
	<u>Wall/Floor/ Ceiling Finishes</u>						
IN 2- 53	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	29				
IN 2- 54	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	4				
IN 2- 55	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	10				
IN 2- 56	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	58				
IN 2- 57	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	77				
IN 2- 58	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	12				
IN 2- 59	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	27				
IN 2- 60	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	33				
IN 2- 61	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m	28				
Total of page BOQ - 15 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Q - Plumbing/Sanitary Installations						
	A- Cold Water Supply System						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
IN 2- 62	Nominal 20mm dia.pipes	m	3				
IN 2- 63	Nominal 25mm dia.pipes	m	7				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
IN 2- 64	a) Chromium plated 20mm dia brass angle valve	Nr	3				
IN 2- 65	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	B- Sanitary Installations						
	Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
IN 2- 66	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
IN 2- 67	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 68	c) Chromium plated brass hand spray	Nr	1				
IN 2- 69	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
IN 2- 70	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	3				
IN 2- 71	f) Chromium plated toilet paper holder	Nr	1				
IN 2- 72	g) Chromium plated brass soap holder	Nr	1				
IN 2- 73	h) Bevilled edge frameless mirror 400mmx600mm	Nr	1				
IN 2- 74	i) Chromium plated towel rail 600mm long	Nr	1				
IN 2- 75	j) 100mm dia. Brass ajustable shower Rose	Nr	1				
IN 2- 76	Test and Commission Water Supply System	Item	Sum				
	(2) ELECTRICAL BUILDING FOR INTAKE						
	<u>Excavation and Earth Work</u>						
IN 2- 77	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	517				
	<u>Filling</u>						
IN 2- 78	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	72				
	<u>Disposal of Water</u>						
IN 2- 79	Allow sum for disposal of surface water	Item	Sum				
Total of page BOQ - 17 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 80	<u>Termite Treatment</u> Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	<u>Piles</u>						
IN 2- 81	Bored Piles 450mm dia.	m	36				
IN 2- 82	Bored Piles 600mm dia.	m	89				
IN 2- 83	Load Testing 450mm dia.	Nr	1				
IN 2- 84	Load Testing 600mm dia.	Nr	4				
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
IN 2- 85	a) Concrete filling on RCC slab above ground floor level.	m ³	82				
IN 2- 86	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
IN 2- 87	a) Pile caps Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:	m ³	31				
IN 2- 88	a) Columns	m ³	8				
IN 2- 89	b) Beams, slabs & lintols	m ³	95				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 90	c) Portal frames and roof beams <u>Formwork</u> Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:	m ³	20				
IN 2- 91	a) Pile caps Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:	m ²	50				
IN 2- 92	a) Columns	m ²	108				
IN 2- 93	b) Beams, slabs & lintols	m ²	200				
IN 2- 94	c) Portal frames and roof beams <u>Reinforcement</u>	m ²	187				
IN 2- 95	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	1,458				
IN 2- 96	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete <u>Miscellaneous</u> Forming undercounter vanity basin top of the sizes specified hereinunder as per detail drawing. Rate shall include for concrete, reinforcement, formwork and granite finish.	kg	18,812				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 97	(a) Vanity counter of size 1275 x 725 mm	Nr	1				
IN 2- 98	75 mm thick grade 25 concrete weather canopy as per detail drawing. Rate shall include for necessary formwork and reinforcement	m	14				
	Construction of RCC Manhole as per detail drawing						
IN 2- 99	a) MH ₂ (2000mm x 2000mm)	Nr	1				
IN 2- 100	b) MH ₃ (1500mm x 1500mm)	Nr	2				
IN 2- 101	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc.	m	22				
	<u>Masonry Work</u>						
IN 2- 102	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	405				
	<u>Water Proofing</u>						
IN 2- 103	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm.	m ²	318				
	<u>Structural Metal Work</u>						
	Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.						
	Rate shall include for treating with two coats of anticorrosive paint where necessary.						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
IN 2- 104	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	412				
IN 2- 105	Hoist rail as per detail drawing.	m	27				
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p><u>A- Aluminium Doors</u></p>						
IN 2- 106	Door type D4 size 2500mm x 3500mm steel framed 20 guage colour bonded Aluminium sheet double sash door with aluminium louver above.	Nr	2				
IN 2- 107	Door type RS 5 size 2500mm x 4000mm colour bonded Aluminium roller shutter door.	Nr	1				
IN 2- 108	Door type D7 size 900mm x 2100mm powder coated Aluminium framed 5mm thick PVC coated plywood sheet (both side) with single sash door.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 109	Door type D7 size 900mm x 2100mm fire door as per the specification.	Nr	2				
IN 2- 110	Door type D9 size 800mm x 2100mm powder coated Aluminium framed with color bonded Aluminium sheet on both side. (single sash door)	Nr	1				
	<u>B- Fixed Fan Lights</u>						
IN 2- 111	Fixed glass type FG6 size 5700mm x 750mm powder coated aluminium framed 5mm thick clear float glass 5 sash fixed panel.	Nr	5				
	<u>C- Fan Lights</u>						
IN 2- 112	Fan light type F1 size 600mm x 1200mm powder coated aluminium framed, top hung glazed fan light with 5mm thick clear float glass.	Nr	14				
	<u>D- Partition</u>						
IN 2- 113	Partiton type P17 size 5735mm x 5250mm aluminium framed partition with 5mm thick PVC coated plywood sheet and 5mm thick clear float glass.	Nr	1				
IN 2- 114	Partiton type P18 size 5735mm x 5250mm aluminium framed partition with 5mm thick both side PVC coated plywood sheet and 5mm thick clear float glass and with a door (2500mm wide door)	Nr	1				
	<u>Plain Openings</u>						
IN 2- 115	Forming plain opening size 1800mm x 1800mm for cables.	Nr	2				
IN 2- 116	Forming plain opening size 2000mm x 2000mm for cables.	Nr	2				
IN 2- 117	Forming plain opening size 692mm x 692mm for cables.	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Wall/Floor/ Ceiling Finishes</u>						
IN 2- 118	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	239				
IN 2- 119	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mm x 300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticecrete grout to match the colour of the tiles.	m ²	88				
IN 2- 120	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticecrete grout to match the colour of the tiles.	m ²	4				
IN 2- 121	Furnish and fix glazed ceramic wall tiles to height of 1500mm of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour (to height of 1500 above FFL)	m ²	9				
IN 2- 122	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished smooth with neat cement float & applied with two coats of epoxy paint.	m ²	87				
IN 2- 123	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	377				
IN 2- 124	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5mm thick skim coat after grooving and levelling any visible joints as depicted in Specification.	m ²	198				
IN 2- 125	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	342				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 126	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	46				
IN 2- 127	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	44				
IN 2- 128	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	82				
IN 2- 129	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	96				
IN 2- 130	Forming 16mm thick "V" groove as per detail drawing.	m	49				
IN 2- 131	Forming 150mm wide 20mm thick plaster band as per detail drawing.	m	54				
	Painting						
IN 2- 132	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	576				
IN 2- 133	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	82				
IN 2- 134	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	342				
IN 2- 135	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	96				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Water Drainage</u></p> <p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p><u>A - Waste Water Disposal System</u></p> <p>Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed separately in the bill of quantities.</p>						
IN 2- 136	a) Nominal 50mm dia. pipes	m	6				
IN 2- 137	b) Nominal 40mm dia.pipes	m	4				
	<p>Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.</p>						
IN 2- 138	a) 90mm x 50mm swept junction	Nr	2				
IN 2- 139	b) 90mm x 75mm reducing socket	Nr	1				
	<p>Furnish and install pipe ancillaries and connect to perfect working order</p>						
IN 2- 140	100mm x 50mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<p><u>B - Sewerage Disposal System</u></p> <p>Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.</p>						
				Total of page BOQ - 25 to IN 2 Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 141	a) Nominal 110mm dia. pipes Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.	m	5				
IN 2- 142	a) 150mm dia. Plain Y Junction	Nr	1				
IN 2- 143	b) 110mm dia. Plain Y Junction	Nr	1				
IN 2- 144	c) 110mm dia. short bend 87.5 ⁰	Nr	1				
IN 2- 145	d) 110mm dia. Plain Y junction with back door	Nr	1				
IN 2- 146	e) 150mm dia. 90 deg. Long radius inspection bend	Nr	1				
IN 2- 147	f) 150mm x 110mm reducing socket	Nr	1				
IN 2- 148	g) 150mm x 90mm reducing socket	Nr	1				
IN 2- 149	h) 90mm dia. short bend 87.5 ⁰	Nr	1				
IN 2- 150	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing	Nr	1				
IN 2- 151	Construct reinforced concrete septic tank for 10 persons as per standard detail drawing	Nr	1				
IN 2- 152	Construct soakage pit for 10 persons as per standard detail drawing	Nr	1				
IN 2- 153	Test and commission waste water and Sewerage Disposal System	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Covering</u>						
IN 2- 154	Furnish and lay colour bonded corrugated Zinc Aluminium sheet roof cover pitch 20 and 45 degrees, fixed to steel framework inclusive of matching bolts, limpets, nuts, sealing washers etc. as per detail drawing.	m ²	508				
IN 2- 155	Furnish and fix colour bonded Zn/Alridge/hip cover.	m	47				
IN 2- 156	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	508				
	<u>Roof Plumbing</u>						
IN 2- 157	Furnish and install 100mm x 100mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	87				
IN 2- 158	Furnish and install Zn/Aluminium gutter girth 470mm complete with brackets, end caps, running heads and fixing clips etc.	m	43				
	(3) INTAKE PUMP STATION (SUBSTRUCTURE)						
	<u>Excavation and Earth Work</u>						
IN 2- 159	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 160	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	5,954				
IN 2- 161	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits depth exceeding 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	13,742				
IN 2- 162	Excavation in rock including disposal of excavated material (Provisional)	m ³	180				
IN 2- 163	Planking and strutting to sides of pits depth exceeding 3.0m commencing at existing ground level.	m ²	2,446				
IN 2- 164	<u>Disposal of Water</u> Allow for dewatering of pit	Item	Sum				
	<u>Concrete Works</u> Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
IN 2- 165	a) Screed of base slab	m ³	141				
	Furnish, place, compact and cure cement concrete grade 35 in:						
IN 2- 166	a) Base slab	m ³	1,859				
IN 2- 167	b) Walls	m ³	2,340				
IN 2- 168	c) Top slab & beams	m ³	331				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 169	d) Stair case Formwork Furnish, fabricate, erect and strike formwork to concrete	m ³	14				
IN 2- 170	a) Sides and soffits of slabs & beams	m ²	1,117				
IN 2- 171	b) Sides of walls	m ²	5,179				
IN 2- 172	c) Sides and soffits of staircase Reinforcement	m ²	116				
IN 2- 173	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete . Miscellaneous Refer standard detail drawings for the following Items Supply & fix stainless steel ladder	ton	687				
IN 2- 174	a) 7000m long	Nr	2				
IN 2- 175	b) 2000m long	Nr	4				
IN 2- 176	c) 2600m long	Nr	4				
IN 2- 177	Supply & fix Bar screen.	Nr	2				
IN 2- 178	Circular manholes	Nr	4				
Total of page BOQ - 29 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 179	Supply & fix 1600x1600mm Gate	Nr	4				
IN 2- 180	Stop log including canales	Nr	2				
IN 2- 181	Handrail st/steel	m	180				
IN 2- 182	Allow for all vents and necessary connections etc.	Item	Sum				
IN 2- 183	Supply & fix PVC water bar	m	390				
IN 2- 184	Testing and Commissioning	Item	Sum				
	(SUPER STRUCTURE)						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
IN 2- 185	a) Ground floor slab & beams	m ³	51				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
IN 2- 186	a) Walls and columns / stairways	m ³	9				
IN 2- 187	b) Beams, slabs & lintols	m ³	2				
IN 2- 188	c) Portal frames and roof beams	m ³	17				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
Total of page BOQ - 30 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 189	a) Ground floor slab & beams Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:	m ²	207				
IN 2- 190	a) Walls and Columns	m ²	93				
IN 2- 191	b) Beams, slabs, Lintols & Stairways	m ²	25				
IN 2- 192	c) Portal frames & roof beams	m ²	178				
	<u>Reinforcement</u>						
IN 2- 193	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	590				
IN 2- 194	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	16,785				
	<u>Manhole/Steps</u>						
IN 2- 195	Construction of RCC manhole type MH ₁ size 1500mm x 2000mm (Internally) as per detail drawing	Nr	1				
IN 2- 196	Construction of RCC steps 6000mm long 300mm wide as per detail drawing	Nr	2				
	<u>Masonry Work</u>						
IN 2- 197	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	193				
Total of page BOQ - 31 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 198	<u>Water Proofing</u> Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	3,609				
IN 2- 199	<u>Painting</u> Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	612				
IN 2- 200	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	236				
IN 2- 201	Prepare underside of asbestos free fibre cement board ceiling at eaves, painted with two coats of weathershield emulsion paint of an approved make and colour.	m ²	67				
	<u>Metal Work</u> Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified. <u>A- Aluminium Doors</u>						
Total of page BOQ - 32 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 202	Door type RS1 size 2500mm x 2800mm powder coated aluminium framed 20 guage colour bonded Aluminium manual operated Roller shutter door.	Nr	1				
IN 2- 203	Door type D2 size 1200mm x 2800mm powder coated aluminium framed 20 gauge colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass single sash door with 5mm thick clear float glass above.	Nr	2				
	<u>B- Aluminium Windows</u>						
IN 2- 204	Window type W1 size 3075mm x 1700mm powder coated alluminium framed 5mm thick clear float glass three sash top hung windows with alluminium louvers and 5mm thick clear float fixed glass above.	Nr	8				
IN 2- 205	Window type W6 size 2025mm x 1700mm powder coated alluminium framed 5mm thick clear float glass two sash top hung windows with alluminium louvers and 5mm thick clear float fixed glass above.	Nr	1				
	<u>Plain Opening</u>						
IN 2- 206	Forming plain opening type OP4 size 692mm x 692mm	Nr	7				
	<u>Roof Covering</u>						
IN 2- 207	Furnsih and lay colour bonded corrugated Zinc Alminium sheet roof cover pitch 20 and 45 degrees, fixed to steel framework inclusive of matching bolts, limpets, nuts, sealing washers etc. as per detail drawing.	m ²	370				
IN 2- 208	Furnsih and fix colour bonded Zn/Alridge ridge/hip cover.	m	45				
IN 2- 209	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	370				
Total of page BOQ - 33 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Plumbing</u>						
IN 2- 210	Furnish and install 100mm x 100mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	76				
IN 2- 211	Furnish and install Zn/Aluminium gutter girth 470mm as per detail drawing, complete with brackets, end caps, running heads and fixing clips etc.	m	63				
	<u>Wall/Floor/ Ceiling Finishes</u>						
IN 2- 212	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	154				
IN 2- 213	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	243				
IN 2- 214	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5mm thick skim coat after grooving and levelling any visible joints as depicted in Specification.	m ²	369				
IN 2- 215	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	236				
IN 2- 216	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	27				
Total of page BOQ - 34 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 217	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and two coats of epoxy paint colour as directed.	m	57				
IN 2- 218	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing <u>Structural Metal Work</u> Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section. Rate shall include for treating with two coats of anticorrosive paint where necessary. Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing. Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc. Fabricating and erecting framed structures.	m ²	64				
IN 2- 219	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	248				
IN 2- 220	Hoist rail as per detail drawing.	m	16				
Total of page BOQ - 35 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	(4) BALANCING TANK						
	<u>Excavation and Earth Work</u>						
IN 2- 221	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
IN 2- 222	Removing top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	230				
IN 2- 223	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 2.0m return spoil for refill compacted in layers not exceeding 150mm	m ³	805				
IN 2- 224	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	211				
	<u>Disposal of Water</u>						
IN 2- 225	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
IN 2- 226	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	<u>Concrete Works</u>						
Total of page BOQ - 36 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 227	Furnish, place, compact and cure cement concrete grade 15 laid within forms in: a) 50mm thick screed	m ²	126				
IN 2- 228	Furnish, place, compact and cure cement concrete grade 35 in: a) Slabs	m ³	65				
IN 2- 229	b) Walls	m ³	135				
IN 2- 230	c) Stair case	m ³	2				
	<u>Formwork</u> Furnish, fabricate, erect and strike formwork to concrete						
IN 2- 231	a) Sides and soffits of slabs & beams	m ²	48				
IN 2- 232	b) Walls	m ²	570				
IN 2- 233	c) Stair case	m ²	10				
	<u>Reinforcement</u>						
Total of page BOQ - 37 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2- 234	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete <u>Water Proofing</u>	ton	58				
IN 2- 235	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm. <u>Miscellaneous</u> Refer standard detail drawings for the following Items	m ²	1				
IN 2- 236	Supply & fix vent and necessary connection.	Item	Sum				
IN 2- 237	Chain link fence as per detail drawing	m	63				
IN 2- 238	Supply & fix double gate as per detail drawing	Nr	1				
IN 2- 239	Construction of catch pit as per detail drawing	Nr	1				
IN 2- 240	Construction of storm water drain.	m	45				
IN 2- 241	Allow for PVC type 600, 150mm dia. Pipe	m	36				
IN 2- 242	Supply & fix PVC water bar	m	111				
IN 2- 243	Testing and Commissioning	Item	Sum				
Total of page BOQ - 38 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 2: Construction of Intake/Raw Water Pump Station and Balancing Tank

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	(5) ARCHTECTUAL ARRANGEMENT						
	Supply of archtectual equipment for building as depicted in specification and drawings.						
IN 2- 244	Supply ventilation systems complete	Item	Sum				
IN 2- 245	Supply all small power complete	Item	Sum				
IN 2- 246	Supply all Lighting complete	Item	Sum				
IN 2- 247	Supply all Telephone complete	Item	Sum				
IN 2- 248	Supply all Yard Lighting complete	Item	Sum				
IN 2- 249	Supply all Lightning Protection complete	Item	Sum				
	Installation of archtectual equipment as depicted in drawings.						
IN 2- 250	Install ventilation systems complete	Item	Sum				
IN 2- 251	Install all small power complete	Item	Sum				
IN 2- 252	Install all Lighting complete	Item	Sum				
IN 2- 253	Install all Telephone complete	Item	Sum				
IN 2- 254	Install all Yard Lighting complete	Item	Sum				
IN 2- 255	Install all Lightning Protection complete	Item	Sum				
Total of page BOQ - 39 to IN 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 3: Supply of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	This Bill rate should include for the supply of the equipment as depicted in relevant drawings, as specified in technical specification and as per site conditions.								
	<u>Mechanical Equipment</u>								
IN 3 - 1	Supply coarse screen complete	Nr	2						
IN 3 - 2	Supply screening hoist and rails complete	Nr	1						
IN 3 - 3	Supply inflow gate complete	Nr	2						
IN 3 - 4	Supply fine screen complete	Nr	2						
IN 3 - 5	Supply wash pump and motor complete	Nr	2						
IN 3 - 6	Supply outflow gate complete	Nr	1						
IN 3 - 7	Supply raw water pump and motor complete	Nr	2						
IN 3 - 8	Supply motorized discharge valve complete	Nr	2						
IN 3 - 9	Supply sump drainage pump complete	Nr	2						
IN 3 - 10	Supply overhead hoist and rails complete	Nr	1						
IN 3 - 11	Supply all pipework, valves and fittings complete	Item	1						
IN 3 - 12	Supply all gates and fittings complete	Item	1						
IN 3 - 13	Supply all supporting steelwork for equipment complete	Item	1						
Total of page BOQ - 40 to IN 3 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 3: Supply of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
IN 3 - 14	Supply all spare parts complete	Item	1						
IN 3 - 15	Supply all maintenance equipment and tools complete	Item	1						
IN 3 - 16	Supply all other items necessary to make intake and raw water pump station equipment complete <u>Electric Equipment</u>	Item	1						
IN 3 - 17	Supply LV Receiving Panel complete	Nr	1						
IN 3 - 18	Supply Generator Connection Panel complete	Nr	1						
IN 3 - 19	Supply No.1 LV Feeder Pane complete	Nr	1						
IN 3 - 20	Supply DC Power Source Equipment complete	Nr	1						
IN 3 - 21	Supply UPS complete	Nr	1						
IN 3 - 22	Supply generator set and all ancillary equipment complete	Item	1						
IN 3 - 23	Supply Raw Water Pump VVVF Panel complete	Nr	1						
IN 3 - 24	Supply Raw Water Pump Panel complete	Nr	2						
IN 3 - 25	Supply Intake MCC comite	Nr	1						
IN 3 - 26	Supply Intake Auxiliary Relay Panel complete	Nr	1						
IN 3 - 27	Supply Fine Screen Local Operation Panel complete	Nr	1						
Total of page BOQ - 41 to IN 3 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 3: Supply of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
IN 3 - 28	Supply Screen Wash Pump Local Operation Panel complete	Nr	1						
IN 3 - 29	Supply Raw Water Pump Local Operation Panel complete	Nr	2						
IN 3 - 30	Supply Sump Drainage Pump Local Operation Panel complete	Nr	1						
IN 3 - 31	Supply Intake PLC complete (Including in TP17 - 178)	Nr	1						
IN 3 - 32	Supply Raw Water Intake Flow complete	Nr	1						
IN 3 - 33	Supply Raw Water Wet Well Level complete	Nr	1						
IN 3 - 34	Supply Screen Pit Level Switch complete	Nr	2						
IN 3 - 35	Supply Sump Drainage Level Switch complete	Nr	1						
IN 3 - 36	Supply Instrumentation Panel for Intake complete	Nr	1						
IN 3 - 37	Supply grounding system complete	Item	1						
IN 3 - 38	Supply all cable, tray, pipe and other materials complete	Item	1						
IN 3 - 39	Supply all spare parts complete	Item	1						
IN 3 - 40	Supply all maintenance equipment and tools complete	Item	1						
IN 3 - 41	Supply all other items necessary to make intake and raw water pump station equipment complete	Item	1						
IN 3 - 42	Supply all CEB Connection complete	Item	1						
Total of page BOQ - 42 to IN 3 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 4: Installation of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	This Bill rate should include for the complete installation of the equipment as depicted in relevant drawings, as specified in technical specification and as per site conditions.						
	<u>Mechanical Equipment</u>						
IN 4 - 1	Install coarse screen complete	Nr	2				
IN 4 - 2	Install screening hoist and rails complete	Nr	1				
IN 4 - 3	Install inflow gate complete	Nr	2				
IN 4 - 4	Install fine screen complete	Nr	2				
IN 4 - 5	Install wash pump and motor complete	Nr	2				
IN 4 - 6	Install outflow gate complete	Nr	1				
IN 4 - 7	Install raw water pump and motor complete	Nr	2				
IN 4 - 8	Install motorized discharge valve complete	Nr	2				
IN 4 - 9	Install sump drainage pump complete	Nr	2				
IN 4 - 10	Install overhead hoist and rails complete	Nr	1				
IN 4 - 11	Install all pipework, valves and fittings complete	Item	1				
Total of page BOQ - 43 to IN 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 4: Installation of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 4 - 12	Install all gates and fittings complete	Item	1				
IN 4 - 13	Install all supporting steelwork for equipment complete	Item	1				
IN 4 - 14	All other work necessary to make intake and raw water pump station equipment complete	Item	1				
	<u>Electric Equipment</u>						
IN 4 - 15	Install LV Receiving Panel complete	Nr	1				
IN 4 - 16	Install Generator Connection Panel complete	Nr	1				
IN 4 - 17	Install No.1 LV Feeder Pane complete	Nr	1				
IN 4 - 18	Install DC Power Source Equipment complete	Nr	1				
IN 4 - 19	Install UPS complete	Nr	1				
IN 4 - 20	Install generator set and all ancillary equipment complete	Item	1				
IN 4 - 21	Install Raw Water Pump VVVF Panel complete	Nr	1				
IN 4 - 22	Install Raw Water Pump Panel complete	Nr	2				
IN 4 - 23	Install Intake MCC comlte	Nr	1				
IN 4 - 24	Install Intake Auxiliary Relay Panel complete	Nr	1				
IN 4 - 25	Install Fine Screen Local Operation Panel complete	Nr	1				
Total of page BOQ - 44 to IN 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.IN 4: Installation of Pumps/Fittings, Equipment

INTAKE/RWPS/BT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 4 - 26	Install Screen Wash Pump Local Operation Panel complete	Nr	1				
IN 4 - 27	Install Raw Water Pump Local Operation Panel complete	Nr	2				
IN 4 - 28	Install Sump Drainage Pump Local Operation Panel complete	Nr	1				
IN 4 - 29	Install Intake PLC complete (Including in TP18-156)	Nr	1				
IN 4 - 30	Install Raw Water Intake Flow complete	Nr	1				
IN 4 - 31	Install Raw Water Wet Well Level complete	Nr	1				
IN 4 - 32	Install Screen Pit Level Switch complete	Nr	2				
IN 4 - 33	Install Sump Drainage Level Switch complete	Nr	1				
IN 4 - 34	Install Instrumentation Panel for Intake complete	Nr	1				
IN 4 - 35	Install grounding system complete	Item	1				
IN 4 - 36	Install all cable, tray, pipe and other materials complete	Item	1				
IN 4 - 37	All other work necessary to make intake and raw water pump station equipment complete	Item	1				
IN 4 - 38	CEB Connection Fee	Item	1				
Total of page BOQ - 45 to IN 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 1 - SUM

Site Work

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 1	Page BOQ - 6 of Bill IN 1 Page BOQ - 7 of Bill IN 1		
IN 1-SUM	Total of IN 1 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 2 - SUM

Construction of Intake/Raw Water Pump Station and Balancing Tank

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 2	Page BOQ 8 of Bill IN 2		
	Page BOQ - 9 of Bill IN 2		
	Page BOQ - 10 of Bill IN 2		
	Page BOQ - 11 of Bill IN 2		
	Page BOQ - 12 of Bill IN 2		
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	Page BOQ - 17 of Bill IN 2		
	Page BOQ - 18 of Bill IN 2		
	Page BOQ - 19 of Bill IN 2		
	Page BOQ - 20 of Bill IN 2		
Page BOQ - 21 of Bill IN 2			
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 2 - SUM

Construction of Intake/Raw Water Pump Station and Balancing Tank

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
IN 2	Page BOQ - 22 of Bill IN 2 Page BOQ - 23 of Bill IN 2 Page BOQ - 24 of Bill IN 2 Page BOQ - 25 of Bill IN 2 Page BOQ - 26 of Bill IN 2 Page BOQ - 27 of Bill IN 2 Page BOQ - 28 of Bill IN 2 Page BOQ - 29 of Bill IN 2 Page BOQ - 30 of Bill IN 2 Page BOQ - 31 of Bill IN 2 Page BOQ - 32 of Bill IN 2 Page BOQ - 33 of Bill IN 2 Page BOQ - 34 of Bill IN 2 Page BOQ - 35 of Bill IN 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 2 - SUM

Construction of Intake/Raw Water Pump Station and Balancing Tank

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
IN 2	Page BOQ - 36 of Bill IN 2 Page BOQ - 37 of Bill IN 2 Page BOQ - 38 of Bill IN 2 Page BOQ - 39 of Bill IN 2		
IN 2-SUM	Total of IN 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 4 - SUM

Installation of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
IN 4	Page BOQ - 43 of Bill IN 4 Page BOQ - 44 of Bill IN 4 Page BOQ - 45 of Bill IN 4		
IN 4-SUM	Total of IN 4 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN 3 - SUM

Supply of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
IN 3	Page BOQ - 40 of Bill IN 3 Page BOQ - 41 of Bill IN 3 Page BOQ - 42 of Bill IN 3			
IN 3-SUM	Total of IN 3 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.IN - SUM

INTAKE/RWPS/BT

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
IN 1	Site Work			
IN 2	Construction of Intake/Raw Water Pump Station and Balancing Tank			
IN 3	Supply of Pumps/Fittings, Equipment			
IN 4	Installation of Pumps/Fittings, Equipment			
IN-SUM	Total of INTAKE/RWPS/BT to Grand Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 1: Supply of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<p>Supply and Delivery at site all DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation</p> <p>All pipes (except flange pipes) shall be Class - K9 (T-type) Flange pipes and all fittings except Tees shall be Class - K12 All Tees shall be Class - K14 All Flanges shall be of PN 10</p> <p>Conveyance Pipe to WTP</p>									
RT 1 - 1	Straight pipe, dia 800 mm, length 6000 mm	m	991							
RT 1 - 2	Straight pipe, dia 1000 mm, length 6000 mm	m	442							
RT 1 - 3	Double Socket Bend, dia 800 mm x 11 1/4°	Nr	17							
RT 1 - 4	Double Socket Bend, dia 1000 mm x 11 1/4°	Nr	3							
RT 1 - 5	Double Socket Bend, dia 800 mm x 22 1/2°	Nr	8							
RT 1 - 6	Double Socket Bend, dia 1000 mm x 22 1/2°	Nr	8							
RT 1 - 7	Double Socket Bend, dia 800 mm x 45°	Nr	4							
RT 1 - 8	Double Socket Bend, dia 1000 mm x 45°	Nr	2							
Total of page BOQ - 53 to RT 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 1: Supply of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
RT 1 - 9	Double Socket Taper, dia 1000 x 800 mm	Nr	1						
RT 1 -10	Double Socket Invert Tee, dia 800 x 150 mm	Nr	1						
RT 1 -11	Double Socket Invert Tee, dia 1000 x 200 mm	Nr	1						
RT 1 -12	Double Socket Tee with Flange, dia 1000 x 150 mm	Nr	1						
RT 1 -13	Double Flanged Taper, dia 800 x 600 mm	Nr	6						
RT 1 -14	Flanged Spigot, dia 600 mm	Nr	3						
RT 1 -15	Orifice plate, outside dia 600 mm, inside dia 240 mm (SUS)	Nr	2						
RT 1 -16	Orifice plate, outside dia 600 mm, inside dia 246 mm (SUS)	Nr	2						
RT 1 -17	Flange Adapter, dia 600 mm	Nr	3						
RT 1 -18	Sluice Valve dia 150 mm	Nr	1						
RT 1 -19	Sluice Valve dia 200 mm	Nr	1						
RT 1 -20	Ball Valve dia 150 mm	Nr	1						
RT 1 -21	Double Orifice Air Valve dia 150 mm	Nr	1						
RT 1 -22	Butterfly Valve, dia 600 mm	Nr	3						
Total of page BOQ - 54 to RT 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 1: Supply of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Conveyance Pipe for Yard Piping (Fittings)								
RT 1 -23	Double Socket Bend, dia 800 mm x 22 1/2°	Nr	2						
RT 1 -24	Double Socket Bend, dia 1000 mm x 22 1/2°	Nr	1						
RT 1 -25	Double Socket Bend, dia 800 mm x 45°	Nr	3						
RT 1 -26	Double Socket Bend, dia 1000 mm x 45°	Nr	2						
RT 1 -27	Double Socket Bend, dia 800 mm x 90°	Nr	2						
RT 1 -28	Double Flanged Bend, dia 800 mm x 90o	Nr	1						
RT 1 -29	Double Flanged Bend, dia 900 mm x 90o	Nr	1						
RT 1 -30	Flanged Spigot, dia 800 mm	Nr	1						
RT 1 -31	Flanged Spigot with Paddle, dia 800 mm x 1200mm	Nr	1						
RT 1 -32	Flanged Spigot with Paddle, dia 900 mm x 1200mm	Nr	1						
RT 1 -33	Flanged Spigot with Paddle, dia 1000 mm x 1200mm	Nr	1						
RT 1 -34	Flanged Bellmouth, dia 800 mm	Nr	1						
RT 1 -35	Flanged Bellmouth, dia 1000 mm	Nr	1						
Total of page BOQ - 55 to RT 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 1: Supply of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
RT 1 -36	Collar, dia 800 mm	Nr	2							
RT 1 -37	Blank Flange, dia 900 mm	Nr	1							
RT 1 -38	Plag, dia 900 mm (K type)	Nr	1							
	Overflow Pipe									
RT 1 -39	Straight pipe, dia 100 mm, length 6000 mm	m	10							
RT 1 -40	Straight pipe, dia 600 mm, length 6000 mm	m	56							
RT 1 -41	Double Socket Bend, dia 600 mm x 22 1/2°	Nr	4							
RT 1 -42	Double Socket Bend, dia 600 mm x 45°	Nr	2							
RT 1 -43	Double Socket Bend, dia 100 mm x 90°	Nr	3							
RT 1 -44	Double Socket Bend, dia 600 mm x 90°	Nr	1							
RT 1 -45	Double Socket Invert Tee, dia 600 x 100 mm	Nr	2							
RT 1 -46	Flange Spigot, dia 100 mm	Nr	3							
RT 1 -47	Flange Socket, dia 100 mm	Nr	3							
RT 1 -48	Plain Pipe with Puddle, dia 600 mm x 1250mm	Nr	1							
Total of page BOQ - 56 to RT 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 1: Supply of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
RT 1 -49	Plain Pipe with Puddle, dia 100 mm x 1150mm	Nr	1						
RT 1 -50	Plain Pipe with Puddle, dia 100 mm x 1080mm	Nr	1						
RT 1 -51	Collar, dia 100 mm	Nr	1						
RT 1 -52	Sluice Valve, dia 100 mm	Nr	2						
Total of page BOQ - 57 to RT 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 2: Laying of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.
	<p>Laying & Jointing in Open Trench DI Pipes Specials & Fittings as Specified</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves.</p> <p><u>Conveyance Pipe to WTP</u></p> <p><u>Depth to invert of pipe not exceeding 2.0m</u></p>						
RT 2 - 1	100 mm dia	m	10				
RT 2 - 2	600 mm dia	m	56				
RT 2 - 3	800 mm dia	m	991				
RT 2 - 4	1000 mm dia	m	442				
RT 2 - 5	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
RT 2 - 6	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	3				
	<u>Extra over Items for Thrust block in Raw Water Transmission Main</u>						
Total of page BOQ - 58 to RT 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 2: Laying of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.
	Rate to include for additional excavation, shoring, dewatering, formwork for thrust blocks and necessary items of work required for complete installation of bends. (Mass concrete, reinforced concrete & pilling measured separately.) Complete as depicted in Drawing.						
RT 2 - 7	Horizontal Bend (dia 800-1000 mm)	Nr	25				
RT 2 - 8	Taper (dia 800-1000 mm)	Nr	1				
	<u>Extra over Items for Valve chamber in Raw Water Transmission Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
RT 2 - 9	Sluice Valve	Nr	6				
RT 2 - 10	Butterfly valve	Nr	3				
RT 2 - 11	Double Orifice Air Valve dia 150 mm	Nr	1				
	<u>Miscellaneous</u>						
RT 2 - 12	Road reinstatement (Temporary)	m ²	1,284				
RT 2 - 13	Demolition of existing asphalt road surface	m ³	128				
Total of page BOQ - 59 to RT 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.RT 2: Laying of DI Pipes/Valves/Fittings

Raw Water Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen.
RT 2 - 14	Overflow channel as depicted in drawing, including pedestrian bridge (width 3 m, number 5).	m	420				
RT 2 - 15	Box culvert as depicted in drawing	m	7				
RT 2 - 16	Drain pipe (dia 225 mm) including material and piles as depicted in drawing	m	50				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
RT 2 - 17	100 mm dia	m	10				
RT 2 - 18	600 mm dia	m	56				
RT 2 - 19	800 mm dia	m	991				
RT 2 - 20	1000 mm dia	m	442				
Total of page BOQ - 60 to RT 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.RT 2 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
RT 2	Page BOQ - 58 of Bill RT 2 Page BOQ - 59 of Bill RT 2 Page BOQ - 60 of Bill RT 2		
RT 2-SUM	Total of RT 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.RT 1- Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
RT 1	Page BOQ - 53 of Bill RT 1 Page BOQ - 54 of Bill RT 1 Page BOQ - 55 of Bill RT 1 Page BOQ - 56 of Bill RT 1 Page BOQ - 57 of Bill RT 1			
RT1-SUM	Total of RT 1 to Bill Summary			

BILL No.RT - Sum

Raw Water Transmission Main

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
RT 1	Supply of DI Pipes/Valves/Fittings			
RT 2	Laying of DI Pipes/Valves/Fittings			
RT-SUM	Total of Raw Water Transmission Main to Grand Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 1: Site Work

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Preparation Work</u>						
TP 1 - 1	Allow for clearing site, up root trees and disposal of debris.	Item	Sum				
TP 1 - 2	Allow for stripping top soil to maximum of 150mm stock piling and re-use as directed.	m ²	40,012				
TP 1 - 3	Allow for cutting and forming of earth to the grades including disposal of surplus excavated material as directed.	m ³	15,853				
TP 1 - 4	Allow for filling, forming and compacting approved borrow earth to the grades as depicted in drawings.	m ³	66,156				
TP 1 - 5	Excavation for unsuitable/marshy peat and disposal of material as directed.	m ³	7,425				
TP 1 - 6	Fill for soft ground areas of borrow rock material.	m ³	7,425				
TP 1 - 7	Allow for gravel paving and approved turfing as depicted in drawings as specified in the technical specification complete.	m ²	2,556				
	<u>Slope Protection</u>						
	Allow for construction of masonry rip rap retaining wall						
TP 1 - 8	a) Type A height not exceeding 5.0m	m ²	804				
Total of page BOQ - 63 to TP 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 1: Site Work

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 1 - 9	b) Type A height exceeding 5.0m	m ²	485				
TP 1- 10	b) Type B height not exceeding 5.0m Allow for construction of storm water drains as depicted in drawings	m ²	949				
TP 1- 11	a) 150mm x 150mm	m	336				
TP 1- 12	b) 300mm x 300mm	m	1,099				
TP 1- 13	c) 450mm x 450mm	m	695				
TP 1- 14	d) 500mm x 500mm	m	134				
TP 1- 15	e) 600mm x 600mm	m	99				
TP 1- 16	f) 600mm x 450mm	m	59				
TP 1- 17	g) 750mm x 500mm Allow for construction of RCC box culverts as depicted in drawings.	m	29				
TP 1- 18	a) 450mm x 450mm	m	16				
TP 1- 19	b) 450mm x 600mm	m	18				
TP 1- 20	c) 600mm x 600mm	m	6				
TP 1- 21	Allow for chain link fence with foundation posts etc. complete as depicted in drawings.	m	656				
Total of page BOQ - 64 to TP 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 1: Site Work

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 1- 22	Allow for construction of masonry boundary wall as depicted in drawing.	m	468				
	Allow for supply & erection of gates as depicted in drawing						
TP 1- 23	a) 5m x 2.5m	Nr	3				
TP 1- 24	b) 1.2m x 2.5m	Nr	1				
	<u>Road work / paved areas in premises</u>						
	Allow for construction of asphalt internal roads as depicted in drawing.						
TP 1- 25	a) 7m wide	m ²	936				
TP 1- 26	b) 5m wide	m ²	1,801				
TP 1- 27	c) 4m wide	m ²	1,485				
TP 1- 28	d) 3m wide	m ²	415				
TP 1- 29	Allow for construction of asphalt paved areas as depicted in drawing.	m ²	4,119				
TP 1- 30	Allow for construction of road kerbs as depicted in drawing.	m	2,634				
TP 1- 31	Allow for construction of 3000mm wide gravel road as depicted in drawing.	m ²	929				
	<u>Access Roads</u>						
TP 1- 32	Allow for clearing site, up root trees and disposal of debris.	Item	Sum				
Total of page BOQ - 65 to TP 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 1: Site Work

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 1- 33	Allow for cutting and forming of earth to the grades as depicted in drawing.	m ³	1,152				
TP 1- 34	Allow for filling forming and compacting approved earth to the grades as depicted in drawing.	m ³	1,725				
TP 1- 35	Allow for construction of road kerbs as depicted in drawing. Allow for construction of storm water drains as depicted in drawing.	m	1,280				
TP 1- 36	a) 450 x 450mm	m	1,280				
TP 1- 37	Allow for slope protection masonry walls as depicted in drawing height not exceeding 3.0m.	m	1,280				
TP 1- 38	Allow for construction of 3.0m wide asphalt roads as depicted in drawing.	m ²	1,632				
TP 1- 39	Allow for construction of 7.0m wide asphalt roads as depicted in drawing.	m ²	672				
TP 1- 40	Allow for construction of 3.0m wide bridge as depicted in drawing.	m	12				
TP 1- 41	Allow for construction of concrete protection.	Item	Sum				
TP 1- 42	Allow for construction of culvert as depicted in drawing. <u>Stream</u>	m	15				
TP 1- 43	Allow for construction of masonry drain as depicted in drawing 6.0m high.	m	351				
TP 1- 44	Allow for construction of temporary coffer dam <u>Sludge Lagoon</u>	Item	Sum				
Total of page BOQ - 66 to TP 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 1: Site Work

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 1- 45	Allow for filling with approved clay as depicted in drawing.	m ³	1,436				
TP 1- 46	Allow for filling with approved gravel as depicted in drawing.	m ³	1,436				
TP 1- 47	Allow for masonry slope protection Type D as depicted in drawing.	m ²	1,808				
	<u>For Architectural Equipment</u>						
TP 1- 48	Supply all small power and lighting complete	Item	Sum				
TP 1- 49	Install all small power and lighting complete	Item	Sum				
Total of page BOQ - 67 to TP 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earth Work</u>						
TP 2 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	76				
TP 2 - 2	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	46				
TP 2 - 3	Allow for dewatering of pit	Item	Sum				
	<u>Piles</u>						
TP 2 - 4	Bored Piles 600mm dia.	m	149				
TP 2 - 5	Load testing of piles 600mm dia	Nr	3				
	<u>For substructure</u>						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
TP 2 - 6	a) Screed of base slab	m ³	12				
	Furnish, place, compact and cure cement concrete grade 35 in:						
TP 2 - 7	a) Base slab	m ³	91				
Total of page BOQ - 68 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2 - 8	b) Walls	m ³	153				
TP 2 - 9	c) Slabs	m ³	38				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
TP 2- 10	a) Sides and soffits of slabs	m ²	191				
TP 2- 11	b) Sides of walls	m ²	810				
	<u>Reinforcement</u>						
TP 2- 12	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete.	mt	69				
	<u>Water Proofing</u>						
TP 2- 13	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	663				
	<u>Miscellaneous</u>						
TP 2- 14	Supply and fix PVC water bar	m	274				
TP 2- 15	Filling with pebbles to top slab	m ³	38				
TP 2- 16	Supply & fix stainless steel ladder to detail drawing	Nr	1				
Total of page BOQ - 69 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2- 17	Supply & fix chequered plate manhole cover to detail drawing	Nr	1				
TP 2- 18	Allow for all vents and necessary connections etc.	Item	Sum				
TP 2- 19	Testing and Commissioning	Item	Sum				
	For superstructure						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP 2- 20	a) Concrete filling on RCC slab above ground floor level.	m ³	6				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
TP 2- 21	a) Columns	m ³	1				
TP 2- 22	b) Lintols	m ³	1				
TP 2- 23	c) Portal frames and roof beams	m ³	2				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
TP 2- 24	a) Columns	m ²	22				
TP 2- 25	b) Lintols	m ²	7				
TP 2- 26	c) Portal frames & roof beams	m ²	39				
Total of page BOQ - 70 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Reinforcement</u>						
TP 2- 27	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	92				
TP 2- 28	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	411				
	<u>Masonry Work</u>						
TP 2- 29	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	55				
	<u>Painting</u>						
TP 2- 30	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	62				
TP 2- 31	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	63				
	<u>Roof Covering</u>						
TP 2- 32	Supply and lay 2 layers of half round clay tiles on corrugated asbestos sheets roof fixed to steel frame work as per detail drawing. Rate shall include for "J" bolts, nuts, sealing washers etc.	m ²	63				
TP 2- 33	Furnish and fix ridge hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	20				
Total of page BOQ - 71 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2- 34	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing <u>Roof Plumbing</u>	m ²	63				
TP 2- 35	Furnish and install 50mm x 70mm Zn/Al down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	16				
TP 2- 36	Furnish and install 470mm girth Zn/Al gutter complete with brackets, end caps, running heads and fixing clips etc. <u>Wood Work</u>	m	32				
TP 2- 37	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to an approved make and colour. <u>Structural Metal Work</u> Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section. Rate shall include for treating with two coats of anticorrosive paint where necessary. Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing. Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc. Fabricating and erecting framed structures.	m	32				
Total of page BOQ - 72 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2- 38	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings. <u>Metal Work</u> Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings All alluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded alluminium sheets as specified. Aluminium Doors	m	41				
TP 2- 39	Door type D1 size 2000mm x 2700mm with Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm plywood backing and double sash door with Aluminium louvers above. Aluminium Windows	Nr	1				
TP 2- 40	Window type W1 size 2400mm x 1800mm alluminium framed 5mm thick clear float glass three sash top hung windows with alluminium louvers above.	Nr	3				
TP 2- 41	Furnish fabricate and install 1100mm high G.I Hand Rail type "R3" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint. <u>Wall/Floor/ Ceiling Finishes</u>	m	21				
TP 2- 42	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	29				
Total of page BOQ - 73 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 2: Construction of Distribution Chamber

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2- 43	Plaster 16mm thick in cement and sand 1: 5 to internal faces of walls and columns and finished smooth with neat cement float & applied with two coats of epoxy paint.	m ²	27				
TP 2- 44	Plaster 16 mm thick in cement and sand 1: 5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	22				
TP 2- 45	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	63				
TP 2- 46	Plaster sides and soffits of slabs and beams with 5mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	39				
TP 2- 47	Forming 16mm thick "V" groove as per detail drawing.	m	25				
	<u>Architectural Equipment</u>						
TP 2- 48	Supply all small power complete	Item	Sum				
TP 2- 49	Supply all Lighting complete	Item	Sum				
TP 2- 50	Supply all Telephone complete	Item	Sum				
TP 2- 51	Install all small power complete	Item	Sum				
TP 2- 52	Install all Lighting complete	Item	Sum				
TP 2- 53	Install all Telephone complete	Item	Sum				
Total of page BOQ - 74 to TP 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 3: Costruction of Floccuration/Sedimentation Basins

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earth Work</u>						
TP 3 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	1,953				
TP 3 - 2	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	441				
TP 3 - 3	Allow for dewatering of pit	Item	Sum				
TP 3 - 4	<u>Piles</u>						
TP 3 - 5	Bored Piles 600mm dia.	m	1,247				
TP 3 - 6	Load testing of piles 600mm dia	Nr	11				
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
TP 3 - 7	a) Screed of base slab	m ³	118				
	Furnish, place, compact and cure cement concrete grade 35 in:						
TP 3 - 8	a) Base slab	m ³	1,206				
Total of page BOQ - 75 to TP 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 3: Costruction of Floccuration/Sedimentation Basins

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 3 - 9	b) Walls	m ³	1,652				
TP 3- 10	c) Slabs	m ³	102				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
TP 3- 11	a) Sides and soffits of slabs	m ²	466				
TP 3- 12	b) Sides of walls	m ²	7,065				
	<u>Reinforcement</u>						
TP 3- 13	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	mt	389				
	<u>Water Proofing</u>						
TP 3- 14	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	7,527				
	<u>Miscellaneous</u>						
TP 3- 15	Supply & fix PVC water bar	m	412				
TP 3- 16	Supply & fix stainless steel ladder to detail drawing	Nr	3				
Total of page BOQ - 76 to TP 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 3: Costruction of Floccuration/Sedimentation Basins

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 3- 17	Supply & fix chequered plate man hole cover to detail drawing	Nr	12				
TP 3- 18	Allow for all vents and necessary connections etc.	Item	Sum				
TP 3- 19	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
TP 3- 20	Supply all small power complete	Item	Sum				
TP 3- 21	Supply all Lighting complete	Item	Sum				
TP 3- 22	Install all small power complete	Item	Sum				
TP 3- 23	Install all Lighting complete	Item	Sum				
Total of page BOQ - 77 to TP 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earth Work</u>						
TP 4 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	5,305				
TP 4 - 2	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	585				
TP 4 - 3	Allow for dewatering of pit	Item	Sum				
	<u>Piles</u>						
TP 4 - 4	Bored Piles 600mm dia.	m	1,530				
TP 4 - 5	Load testing of piles 600mm dia	Nr	9				
	<u>For substructure</u>						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP 4 - 6	a) Screed of base slab	m ³	68				
	Furnish, place, compact and cure cement concrete grade 35 in:						
Total of page BOQ - 78 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4 - 7	a) Base slab	m ³	563				
TP 4 - 8	b) Walls	m ³	808				
TP 4 - 9	c) Top slab	m ³	293				
TP 4- 10	d) Stair case	m ³	3				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete:						
TP 4- 11	a) Sides and soffits of slabs	m ²	1,259				
TP 4- 12	b) Sides of walls	m ²	5,219				
TP 4- 13	c) Sides and soffits of staircase	m ²	21				
	<u>Reinforcement</u>						
TP 4- 14	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	mt	416				
Total of page BOQ - 79 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Water Proofing</u>						
TP 4- 15	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	2,746				
	<u>Miscellaneous</u>						
TP 4- 16	Block work wall as per specification	m ²	60				
TP 4- 17	Manhole covers	Nr	3				
TP 4- 18	Stop log including chanales	Nr	2				
TP 4- 19	G.I Handrail	m	18				
TP 4- 20	Allow for all vents and necessary connections etc.	Item	Sum				
TP 4- 21	Machine hatch cast iron grating (1500mm x 2000 mm)	Nr	1				
Total of page BOQ - 80 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4- 22	Supply and fix PVC water bar	m	874				
TP 4- 23	Testing and Commissioning	Item	Sum				
TP 4- 24	Graded Pebbles	m ³	61				
TP 4- 25	Filter Media	m ³	305				
	For superstructure						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
TP 4- 26	a) Walls and columns / stairways	m ³	31				
TP 4- 27	b) Beams, slabs & lintols	m ³	70				
TP 4- 28	c) Portal frames and roof beams	m ³	22				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
Total of page BOQ - 81 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4- 29	a) Walls and Columns	m ²	171				
TP 4- 30	b) Beams, slabs and Lintols	m ²	381				
TP 4- 31	c) Portal frames & roof beams	m ²	199				
	<u>Reinforcement</u>						
TP 4- 32	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	1,350				
TP 4- 33	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	11,790				
	<u>Structual Metal Work</u>						
	Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.						
	Rate shall include for treating with two coats of anticorrosive paint where necessary.						
	Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.						
	Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.						
Total of page BOQ - 82 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Fabricating and erecting framed structures.						
TP 4- 34	Galvernized "C" channel purlin of size 180 x 75 x 7mm thick fixed to portal frame as per detail drawings. <u>Metal Work</u> Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings All alluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded alluminium sheets as specified. Aluminium doors	m	1,517				
TP 4- 35	Door type D1 size 900 x 2100mm Aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing single sash door with glass blocks above.	Nr	1				
TP 4- 36	Door type D3a size 2000 x 2100mm with Aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door. Aluminium Windows	Nr	3				
TP 4- 37	Window type W2 size 3600 x 1950mm alluminium framed 5mm thick clear float glass 4 sash centre pivoted windows with 5mm thick fixed clear float glass above	Nr	13				
Total of page BOQ - 83 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Fixed Glass						
TP 4- 38	Window type W2a size 3600 x 1950mm aluminium framed 5mm thick clear float 4 sash centre pivoted window with 5mm thick float glass above and backed with 5mm thick clear glass panels.	Nr	1				
TP 4- 39	Window type W3 size 1500 x 750mm aluminium framed louver panel.	Nr	1				
	Partitions						
TP 4- 40	Partitions type P19 size 5420x4000mm powder coated aluminium framed partitions with 5mm thick both side PVC coated plywood sheet and 5mm thick clear float glass with door.	Nr	1				
TP 4- 41	Partition type P20 size 10395x4000mm powder coated aluminium framed partitions with 5mm thick both sides PVC coated plywood sheet and 5mm thick clear float glass (900mm wide door).	Nr	1				
	Plain Openings						
TP 4- 42	Forming plain opening type OP4 size 692mm x 692mm	Nr	2				
	Handrails						
TP 4- 43	Furnish, fabricate and install 1100mm high GI handrail type " R3" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.	m	58				
TP 4- 44	Furnish and fix 190mm x 190mm glass blocks as per the specification.	m ²	2				
Total of page BOQ - 84 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Masonry Work</u>						
TP 4- 45	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	225				
	<u>Wood Work</u>						
TP 4- 46	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, matt finish of grey colour to the hardwood	m	117				
	<u>Miscellaneous</u>						
TP 4- 47	Machine hatch with cast iron grating	Nr	1				
	<u>Roof Covering</u>						
TP 4- 48	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of "J" bolts nuts, sealing washers etc. as per detail drawing.	m ²	544				
TP 4- 49	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	91				
TP 4- 50	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	544				
Total of page BOQ - 85 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Plumbing</u>						
TP 4- 51	Furnish and install 110 mm diameter Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	90				
TP 4- 52	Furnish and install Zn/Aluminium gutter of size 112 X 112 mm complete with brackets, end caps, running heads and fixing clips etc.	m	117				
	<u>Wall/Floor/ Ceiling Finishes</u>						
TP 4- 53	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed	m ²	315				
TP 4- 54	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	227				
TP 4- 55	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5 mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	202				
TP 4- 56	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	160				
TP 4- 57	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	49				
Total of page BOQ - 86 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4- 58	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and 2 coats of epoxy paint colour as directed.	m	90				
TP 4- 59	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eaves ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	132				
	<u>Painting</u>						
TP 4- 60	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	430				
TP 4- 61	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	160				
TP 4- 62	Prepare underside of asbestos free fibre cement board ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour	m ²	135				
	<u>Architectural Equipment</u>						
TP 4- 63	Supply ventilation systems complete	Item	Sum				
TP 4- 64	Supply all small power complete	Item	Sum				
Total of page BOQ - 87 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 4: Construction of Filtration Units

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4- 65	Supply all Lighting complete	Item	Sum				
TP 4- 66	Supply all Telephone complete	Item	Sum				
TP 4- 67	Supply all Lightning Protection complete	Item	Sum				
TP 4- 68	Install ventilation systems complete	Item	Sum				
TP 4- 69	Install all small power complete	Item	Sum				
TP 4- 70	Install all Lighting complete	Item	Sum				
TP 4- 71	Install all Telephone complete	Item	Sum				
TP 4- 72	Install all Lightning Protection complete	Item	Sum				
Total of page BOQ - 88 to TP 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 5: Construction of Clear Water Reservoir

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earth Work</u>						
TP 5 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	4,199				
TP 5 - 2	Excavation in rock including disposal of excavated material(Provisional).	m ³	90				
TP 5 - 3	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	549				
TP 5 - 4	Allow for dewatering of pit	Item	Sum				
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
TP 5 - 5	a) Screed of base slab	m ³	65				
	Furnish, place, compact and cure cement concrete grade 35 in:						
Total of page BOQ - 89 to TP 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 5: Construction of Clear Water Reservoir

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 5 - 6	a) Base slab	m ³	503				
TP 5 - 7	b) Walls	m ³	356				
TP 5 - 8	c) Slabs	m ³	182				
	<u>Formwork</u> Furnish, fabricate, erect and strike formwork to concrete						
TP 5 - 9	a) Sides and soffits of slabs	m ²	783				
TP 5- 10	b) Sides of walls	m ²	1,978				
	<u>Reinforcement</u>						
TP 5- 11	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	mt	242				
	<u>Water Proofing</u>						
TP 5- 12	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	2,075				
	<u>Miscellaneous</u>						
Total of page BOQ - 90 to TP 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 5: Construction of Clear Water Reservoir

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 5- 13	Supply & fix PVC water bar	m	206				
TP 5- 14	Filling with pebbles to top slab	m ³	129				
TP 5- 15	Supply & fix chequered plate man hole cover to detail drawing	Nr	9				
TP 5- 16	Allow for all vents and necessary connections etc.	Item	Sum				
TP 5- 17	Testing and Commissioning	Item	Sum				
Total of page BOQ - 91 to TP 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP 6 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	8,176				
TP 6 - 2	Excavation in rock including disposal of excavated material(Provisional).	m ³	90				
TP 6 - 3	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	1,066				
TP 6 - 4	Allow for dewatering of pit	Item	Sum				
TP 6 - 5	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00 m beyond the external wall.	Item	Sum				
	<u>Piles</u>						
TP 6 - 6	Bored Piles 600mm dia.	m	85				
TP 6 - 7	Load testing of piles 600mm dia	Nr	3				
Total of page BOQ - 92 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	For substructure						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP 6 - 8	a) Screed of base slab	m ³	63				
	Furnish, place, compact and cure cement concrete grade 35 in:						
TP 6 - 9	a) Base slab	m ³	676				
TP 6- 10	b) Walls	m ³	833				
TP 6- 11	c) Stair case	m ³	3				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete:						
TP 6- 12	a) Sides and soffits of slabs	m ²	109				
TP 6- 13	b) Sides of walls	m ²	2,367				
Total of page BOQ - 93 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 14	c) Sides and soffits of staircase <u>Reinforcement</u>	m ²	17				
TP 6- 15	Furnish, fabricate, place and tie medium grade ribbed or deformed steel steel 460N/mm2 including binding wire, cover and spacer blocks complete <u>Water Proofing</u>	mt	358				
TP 6- 16	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing". <u>Miscellaneous for Substructure</u>	m ²	1,647				
TP 6- 17	Supply and fix PVC water bar	m	356				
TP 6- 18	G.I. Handrail For superstructure <u>Concrete Work</u> Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:	m	23				
Total of page BOQ - 94 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 19	a) 50mm thick screed in foundation trenches and pits Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:	m ³	340				
TP 6- 20	a) Pile caps	m ³	23				
TP 6- 21	b) Foundation beams, walls and stairways Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:	m ³	43				
TP 6- 22	a) Walls and columns / stairways	m ³	142				
TP 6- 23	b) Beams, slabs & lintols	m ³	197				
TP 6- 24	c) Portal frames and roof beams Formwork Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:	m ³	57				
TP 6- 25	a) Pile caps	m ²	35				
TP 6- 26	b) Foundation beams, walls and stairways Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:	m ²	378				
TP 6- 27	a) Walls and Columns	m ²	951				
Total of page BOQ - 95 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 28	b) Beams, slabs, Lintols & Stairways	m ²	787				
TP 6- 29	c) Portal frames & roof beams	m ²	505				
	<u>Reinforcement</u>						
TP 6- 30	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	1,350				
TP 6- 31	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete in sizes varying from Y10 to Y25 (10mm dia. to 25mm dia.)	kg	70,125				
	<u>Masonry Work</u>						
TP 6- 31	225mm thick brick fin walls in cement and sand 1:5 above ground floor level	m ²	127				
TP 6- 32	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	774				
	<u>Structural Metal Work</u>						
	Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.						
	Rate shall include for treating with two coats of anticorrosive paint where necessary.						
Total of page BOQ - 96 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
TP 6- 33	Galvernized "C" channel purlin of size 150 x 65x 6mm thick fixed to portal frame as per detail drawings.	m	1,211				
TP 6- 34	Crain rail as per detail drawing						
TP 6- 35	a) Size 305 x 305mm, 158 Kg/m	m	79				
TP 6- 36	b) Size 254 x 254mm, 107 Kg/m	m	31				
	<u>Metal Work</u>						
	Aluminium doors						
TP 6- 37	Door type D4 size 2500x3500mm steel framed 20 gauge colour bonded Aluminium sheet double sash door with fixed glass above.	Nr	1				
TP 6- 38	Glazed door type D5 size 2500x3500mm with steel framed guage 20 colour bonded aluminium sheet double door sash.	Nr	1				
TP 6- 39	Glazed door type D6 size 900x3500mm with steel framed guage 20 colour bonded aluminium sheet with fixed glass above.	Nr	3				
Total of page BOQ - 97 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 40	Door type D7 size 900x2100mm with aluminium framed 5mm thick both side PVC coated plywood sheet, 5mm thick clear float glass single sash door.	Nr	1				
TP 6- 41	Door type D9 size 900x2100mm fire door.	Nr	2				
TP 6- 42	Door type RS ₁ size 4000 x 4000mm colour bonded aluminium roller shutter door (manual operated)	Nr	1				
	Aluminium Windows						
TP 6- 43	Window type W2 size 3600x2400mm aluminium framed 4 sash top hung glazed window with 5mm thick fixed clear float glass above.	Nr	3				
TP 6- 44	Window type W3 size 4500x2400mm aluminium framed 5 sash top hung window with 5mm thick clear float fixed glass above.	Nr	10				
TP 6- 45	Window type W4 size 7400x5000mm aluminium framed fixed louvers panel.	Nr	1				
TP 6- 46	Window type W5 size 4000x4000mm aluminium framed fixed louvers panel.	Nr	2				
	Plain Openings						
TP 6- 47	Forming plain opening type OP2 size 2000 x 2000mm.	Nr	2				
TP 6- 48	Forming plain opening type OP3 size 2000 x 2000mm Opening for machinery with bricked up with groove for mark.	Nr	2				
Total of page BOQ - 98 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 49	Forming plain opening type OP4 size 692 x 692mm.	Nr	5				
TP 6- 50	Forming plain opening type OP6 size 1010 x 1010mm.	Nr	5				
	Handrails						
TP 6- 51	Furnish, fabricate and fixed 1100mm high G.I. Handrail type "R3" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.	m	46				
	Wood Work						
TP 6- 52	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, matt finish of grey colour to the hardwood	m	178				
	Roof Covering						
TP 6- 53	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of J bolts nuts,sealing washers etc. as per detail drawing.	m ²	1,398				
TP 6- 54	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	91				
TP 6- 55	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	1,398				
Total of page BOQ - 99 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Plumbing</u>						
TP 6- 56	Furnish and install 110 mm diameter Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	144				
TP 6- 57	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	180				
	<u>Wall/Floor/Ceiling Finishes</u>						
TP 6- 58	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed	m ²	751				
TP 6- 59	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	1,612				
TP 6- 60	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	505				
TP 6- 61	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	945				
TP 6- 62	Plaster 20mm thick in cement and sand 1:3 to plinth and furnished smooth with a floating of grey cement	m ²	45				
Total of page BOQ - 100 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 63	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and 2 coats of epoxy paint colour as directed	m ²	252				
TP 6- 64	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	223				
	Painting						
TP 6- 65	Prepare internal walls, columns, beams and slab surfaces and paint with one coat of an approved primer and two coats of emulsion paint of an approved make and colour	m ²	2,127				
TP 6- 66	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion an approved make and colour	m ²	945				
TP 6- 67	Prepare underside of asbestos free fibre cement board ceiling at eaves and painted with two coats of weathershield emulsion an approved make and colour	m ²	223				
	For Architectural Equipment						
TP 6- 68	Supply all small power complete	Item	Sum				
TP 6- 69	Supply all Lighting complete	Item	Sum				
TP 6- 70	Supply all Telephone complete	Item	Sum				
Total of page BOQ - 101 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 6: Construction of Clear Water Pump Station

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6- 71	Supply all Lightning Protection complete	Item	Sum				
TP 6- 72	Install all small power complete	Item	Sum				
TP 6- 73	Install all Lighting complete	Item	Sum				
TP 6- 74	Install all Telephone complete	Item	Sum				
TP 6- 75	Install all Lightning Protection complete	Item	Sum				
Total of page BOQ - 102 to TP 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP 7 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	14				
	<u>Filling</u>						
TP 7 - 2	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	445				
	<u>Piles</u>						
TP 7 - 3	Bored Piles 450mm dia.	m	18				
TP 7 - 4	Bored Piles 600mm dia.	m	561				
TP 7 - 5	Load testing of piles 450mm dia	Nr	1				
TP 7 - 6	Load testing of piles 600mm dia	Nr	5				
	<u>Disposal of Water</u>						
TP 7 - 7	Allow sum for disposal of surface water	Item	Sum				
Total of page BOQ - 103 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7 - 8	<p><u>Termite Treatment</u></p> <p>Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall</p> <p><u>Concrete Work</u></p> <p>Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:</p>	Item	Sum				
TP 7 - 9	<p>a) Concrete filling on RCC slab above ground floor level.</p> <p>Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:</p>	m ³	71				
TP 7- 10	a) Pile caps	m ³	8				
TP 7- 11	b) Tie beams	m ³	18				
TP 7- 12	<p>c) Neutralization Tank slab & walls</p> <p>Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:</p>	m ³	5				
TP 7- 13	a) Plinth beams & Ground floor slabs	m ³	214				
TP 7- 14	b) Walls and columns and stairways	m ³	118				
Total of page BOQ - 104 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 15	c) Beams, slabs & lintols	m ³	153				
TP 7- 16	d) Portal frames and roof beams	m ³	32				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
TP 7- 17	a) Pile caps	m ²	43				
TP 7- 18	b) Tie beams	m ²	163				
TP 7- 19	c) Neutralization Tank slab & walls	m ²	9				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
TP 7- 20	a) Plinth beams & Ground floor slabs	m ²	568				
TP 7- 21	b) Walls and columns and stairways	m ²	1,044				
TP 7- 22	c) Beams, slabs & lintols	m ²	963				
TP 7- 23	d) Portal frames and roof beams	m ²	330				
	<u>Reinforcement</u>						
TP 7- 24	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	5,323				
Total of page BOQ - 105 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 25	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete <u>Miscellaneous</u>	kg	79,905				
TP 7- 26	Furnish, place, compact and cure, 2500mm wide grade 25 concrete ramp with granolithic finish. Rate shall include for formwork, BR 5 steel mesh, forming 95% compacted earth base, and forming a mastic filler construction joint and edge protection as per detail drawing.	m	9				
TP 7- 27	Furnish and place 500 x 350mm curb as per detail drawing. Rate shall include for R/F, Formwork. <u>Masonry Work</u>	Nr	19				
TP 7- 28	Random rubble masonry in cement and sand 1:5 using 150mm to 225mm size broken stone in foundations.	m ³	14				
TP 7- 29	300mm thick brick fin walls in cement and sand 1:5 above ground floor level	m ²	230				
TP 7- 30	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level <u>Water Proofing</u> Payment will be made on the nett measured area of polythene without allowance for lapping	m ²	769				
Total of page BOQ - 106 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 31	Provide vapour barrier comprising 1000g polythene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm	m ²	630				
TP 7- 32	Water Proofing in inside the tank "VANDEX" or equivalent as per specification.	m ²	351				
TP 7- 33	Supply and fix PVC water bar.	m	66				
	<u>Structural Metal Work</u>						
	Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.						
	Rate shall include for treating with two coats of anticorrosive paint where necessary.						
	Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.						
	Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.						
	Fabricating and erecting framed structures.						
TP 7- 34	Galvernized "C" channel purlin of size 150 x 50x 6mm thick fixed to portal frame as per detail drawings.	m	918				
TP 7- 35	Crain rail as per detail	m	90				
Total of page BOQ - 107 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated anodized and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p>Aluminium doors</p>						
TP 7- 36	Door type D1 size 2000x2100mm with Aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door.	Nr	1				
TP 7- 37	Door type D8 size 2000 x 2100mm with aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing 5mm thick clear float glass double sash door (Glass blocks measured separately).	Nr	1				
TP 7- 38	Door type D8a size 2000 x 2100mm with aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing 5mm thick clear float glass double sash door (Glass blocks measured separately).	Nr	1				
TP 7- 39	Door type D3 size 1500x2100mm with Alluminium framed 20 guage colour bonded aluminium sheet and 5mm thick clear float glass double sash door.	Nr	2				
TP 7- 40	Glazed door type D7 size 900x2100mm with Alluminium framed 5mm thick both side PVC coated plywood sheet and 5mm thick clear float glass single sash door.	Nr	1				
Total of page BOQ - 108 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 41	Door type RS1 size 4700x4000mm, power operated alluminium roller shutter door	Nr	1				
	Aluminium Windows						
TP 7- 42	Window type W1 size 1800x1200mm aluminium framed 5mm thick clear float glass three sashes openable window.	Nr	3				
TP 7- 43	Window type W2 fixed paneled size 1800x1200mm aluminium framed 5mm thick clear float glass three sashes openable window.	Nr	2				
	Fixed Fan Lights						
TP 7- 44	Fixed glass type FG1 size 5725x1750mm aluminium framed 5mm thick clear float glass 5 sash fixed panels with aluminium louvers above.	Nr	2				
TP 7- 45	Fixed glass type FG2 size 4700x1750mm aluminium framed 5mm thick clear float glass three sash fixed panel with aluminium louvers above.	Nr	14				
TP 7- 46	Fixed glass type FG3 size 3700x1750mm alluminium framed 5mm thick clear float glass 3 sash fixed panels with aluminium louvers above.	Nr	1				
TP 7- 47	Fixed glass type FG4 size 4700x750mm alluminium framed 5mm clear float glass 4 sash fixed panels with aluminium louvers above.	Nr	7				
Total of page BOQ - 109 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Handrails						
TP 7- 48	Furnish, fabricate and install 1100mm high GI handrail type " R3" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray	m	12				
	Miscellaneous						
TP 7- 49	Furnish and fix 190mmx190mm glass blocks as per the specification.	m ²	26				
TP 7- 50	Fixed glass type FG4a size 4000x750mm aluminium framed 2 aluminium louver panels and 01 glass block panel window (glass block measured separately)	Nr	2				
TP 7- 51	Fixed glass type FG4b size 4200x750mm aluminium framed 2 aluminium louver panels and 01 glass block panel window (glass block measured separately)	Nr	1				
TP 7- 52	Aluminium framed PVC coated plywood sheet Hatch door size 900 x 1550mm	Nr	1				
	Plain Openings						
TP 7- 53	Plain opening type OP4 size 692 x 750mm.	Nr	2				
TP 7- 54	Plain opening type OP8 size 591 x 591mm	Nr	2				
TP 7- 55	Plain opening type OP9 size 4892 x 750mm.	Nr	5				
Total of page BOQ - 110 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Wood Work</u>						
TP 7- 56	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, matt finish of grey colour to the hardwood	m	130				
	<u>Roof Covering</u>						
TP 7- 57	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of J bolts nuts,sealing washers etc. as per detail drawing.	m ²	938				
TP 7- 58	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	68				
TP 7- 59	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	938				
	<u>Roof Plumbing</u>						
TP 7- 60	Furnish and install 110 mm diameter Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	174				
TP 7- 61	Furnish and install Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	130				
	<u>Wall/Floor/Ceiling Finishes</u>						
Total of page BOQ - 111 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 62	Power floated smooth concrete floor and Tank walls finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed	m ²	999				
TP 7- 63	Power floated smooth concrete floor and Tank walls finished with 2mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	313				
TP 7- 64	Power floated finish to concrete floor in ramp	m ²	24				
TP 7- 65	Render 20mm thick 1:3 cement and sand finished smooth with grey cement floor.	m ²	308				
TP 7- 66	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished smooth with neat cement float & applied with two coats of epoxy paint.	m ²	354				
TP 7- 67	Plaster 16mm thick in cement, lime and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	836				
TP 7- 68	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5 mm thick skim coat after grooving and levelling any visible joints as depicted in Specification.	m ²	1,179				
TP 7- 69	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	1,144				
TP 7- 70	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	104				
Total of page BOQ - 112 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 71	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and 2 coats of epoxy paint colour as directed.	m	70				
TP 7- 72	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	134				
TP 7- 73	Forming 16mm thick "V" groove as per detail drawing	m	135				
	<u>Painting</u>						
TP 7- 74	Prepare internal walls, columns, beams and slab surfaces and paint with one coat of an approved primer and two coats of emulsion paint of an approved make and colour	m ²	2,373				
TP 7- 75	Prepare external faces of walls and columns painted with in one coat of an approved primer and two coats of weathershield emulsion of an approved make and colour	m ²	1,144				
TP 7- 76	Prepare underside of asbestos free fibre cement board ceiling at eaves and painted with two coats of weathershield emulsion of an approved make and colour	m ²	134				
	<u>Miscellaneous</u>						
TP 7- 77	Supply & fix removable chain type R5 as per detail drawing.	m	4				
	Supply & fix grating to detail drawing.						
TP 7- 79	a) Type G1	Nr	2				
Total of page BOQ - 113 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 80	b) Type G2	Nr	1				
TP 7- 81	Supply & fix stainless steel access ladder	Nr	1				
TP 7- 82	Supply & fix chequered plate man hole cover to detail drawing	Nr	1				
TP 7- 83	Allow for all vents and necessary connections etc.	Item	Sum				
TP 7- 84	Testing and Commissioning	Item	Sum				
	For Architectural Equipment						
TP 7- 85	Supply ventilation systems complete	Item	Sum				
TP 7- 86	Supply all small power complete	Item	Sum				
TP 7- 87	Supply all Lighting complete	Item	Sum				
TP 7- 88	Supply all Telephone complete	Item	Sum				
TP 7- 89	Supply all Lightning Protection complete	Item	Sum				
Total of page BOQ - 114 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 7: Construction of Chemical Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7- 90	Install ventilation systems complete	Item	Sum				
TP 7- 91	Install all small power complete	Item	Sum				
TP 7- 92	Install all Lighting complete	Item	Sum				
TP 7- 93	Install all Telephone complete	Item	Sum				
TP 7- 94	Install all Lightning Protection complete	Item	Sum				
Total of page BOQ - 115 to TP 7 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP 8 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	1,736				
TP 8 - 2	Planking and strutting to sites of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	847				
TP 8 - 3	Allow for dewatering of pit	Item	Sum				
	For substructure						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP 8 - 4	a) Screed of base slab	m ³	57				
	Furnish, place, compact and cure cement concrete grade 35 in:						
TP 8 - 5	a) Base slab	m ³	234				
TP 8 - 6	b) Walls	m ³	459				
TP 8 - 7	c) Stair case	m ³	3				
Total of page BOQ - 116 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete:						
TP 8 - 8	a) Sides and soffits of slabs & beams	m ²	52				
TP 8 - 9	b) Sides of walls	m ²	1,372				
TP 8- 10	c) Sides and soffits of staircase	m ²	14				
	<u>Reinforcement</u>						
TP 8- 11	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	180				
	<u>Water Proofing</u>						
TP 8- 12	Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	716				
	<u>Miscellaneous</u>						
TP 8- 13	Supply & fix stainless steel ladder to detail drawing						
TP 8- 14	a) 2000 mm long	Nr	4				
Total of page BOQ - 117 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 8- 15	Supply & fix Machine Hatch cast iron grating size 2000 x 1500 mm	Nr	1				
TP 8- 16	Supply & fix manhole covers	Nr	2				
TP 8- 17	Stainless steel Handrail Type R3	m	15				
TP 8- 18	Allow for all vents and necessary connections etc.	Item	Sum				
TP 8- 19	Supply & fix PVC water bar	m	297				
TP 8- 20	Testing and Commissioning	Item	Sum				
	For superstructure						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
TP 8- 21	a) Columns	m ³	3				
TP 8- 22	b) Beams, slabs & lintols	m ³	27				
TP 8- 23	c) Portal frames and roof beams	m ³	8				
Total of page BOQ - 118 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
TP 8- 24	a) Columns	m ²	41				
TP 8- 25	b) Beams, slabs & lintols	m ²	145				
TP 8- 26	c) Portal frames and roof beams	m ²	90				
	<u>Reinforcement</u>						
TP 8- 27	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	378				
TP 8- 28	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	4,286				
	<u>Miscellaneous</u>						
	Construction of RCC manhole as per detail drawing						
TP 8- 29	a) MH6 (1000mm x 1000mm)	Nr	1				
	<u>Masonry Work</u>						
TP 8- 30	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	117				
Total of page BOQ - 119 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All alluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded alluminium sheets as specified.</p> <p>Aluminium doors</p> <p>TP 8- 31 Door type D3a size 2000x2100mm with Aluminium framed 20 guage colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door.</p> <p>Aluminium Windows</p> <p>TP 8- 32 Window type W1 size 3075 x 1700mm alluminium framed 5mm thick clear float glass three sash top hung windows with alluminium louvers and 5mm thick fixed clear float glass above</p> <p>Fixed Fan Lights</p> <p>TP 8- 33 Fixed glass type FG5 size 600x600mm alluminium framed 5mm thick clear float glass single sash fixed panel.</p>	Nr	1				
		Nr	5				
		Nr	7				
Total of page BOQ - 120 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Handrails						
TP 8- 35	Furnish, fabricate and install 1100mm high GI handrail type " R3" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.	m	21				
TP 8- 37	Fix 190mm x 190mm furnish and glass blocks as per specification.	m ²	2				
	<u>Structural Metal Work</u>						
	Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.						
	Rate shall include for treating with two coats of anticorrosive paint where necessary.						
	Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.						
	Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.						
	Fabricating and erecting framed structures.						
TP 8- 38	Galvernized "C" channel galvernized purlin of size 125 x 50x 6mm thick fixed to portal frame as per detail drawings.	m	148				
TP 8- 39	Hoist rail as per detail drawing	m	13				
Total of page BOQ - 121 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Wood Work</u>						
TP 8- 40	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint to an approved colour.	m	46				
	<u>Roof Covering</u>						
TP 8- 41	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of J bolts nuts, sealing washers etc. as per detail drawing.	m ²	136				
TP 8- 42	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	27				
TP 8- 43	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	136				
	<u>Roof Plumbing</u>						
TP 8- 44	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	22				
TP 8- 45	Furnish and install 470 mm girth Zn/Aluminium gutter of complete with brackets, end caps, running heads and fixing clips etc.	m	46				
	<u>Wall/Floor/Ceiling Finishes</u>						
Total of page BOQ - 122 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 8- 46	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed	m ²	72				
TP 8- 47	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	130				
TP 8- 48	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5 mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	90				
TP 8- 49	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	221				
TP 8- 50	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	54				
TP 8- 51	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and 2 coats of epoxy paint colour as directed.	m	36				
TP 8- 52	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	31				
	<u>Painting</u>						
TP 8- 53	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	208				
Total of page BOQ - 123 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 8: Construction of Backwash Water Recovery Facility

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 8- 54	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	230				
TP 8- 55	Prepare underside of asbestos free fibre cement board ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour	m ²	31				
	For Architectural Equipment						
TP 8- 56	Supply all small power complete	Item	Sum				
TP 8- 57	Supply all Lighting complete	Item	Sum				
TP 8- 58	Supply all Telephone complete	Item	Sum				
TP 8- 59	Supply all Lightning Protection complete	Item	Sum				
TP 8- 60	Install all small power complete	Item	Sum				
TP 8- 61	Install all Lighting complete	Item	Sum				
TP 8- 62	Install all Telephone complete	Item	Sum				
TP 8- 63	Install all Lightning Protection complete	Item	Sum				
Total of page BOQ - 124 to TP 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 9: Construction of Electrical Substation/Generator Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.</p> <p>Note: These items are all included in BILL No.TP 6: Construction of Clear Water Pump Station.</p>			included	included	included	included
Total of page BOQ - 125 to TP 9 Bill Summary						included	included

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP10 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation trenches upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm; The rate shall include for side supports in trenches and for dewatering wherever necessary.	m ³	99				
TP10 - 2	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm; The rate shall include for side supports in pits and for dewatering wherever necessary.	m ³	195				
	<u>Filling</u>						
TP10 - 3	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	374				
	<u>Disposal of Water</u>						
TP10 - 4	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
Total of page BOQ - 126 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10 - 5	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	<u>Piles</u>						
TP10 - 6	Bored Piles 450mm dia.	m	16				
TP10 - 7	Bored Piles 600mm dia.	m	154				
TP10 - 8	Load testing of piles 450mm dia	Nr	1				
TP10 - 9	Load testing of piles 600mm dia	Nr	4				
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
TP10- 10	a) Pile caps	m ³	4				
TP10- 11	b) Foundation beams, walls and stairways	m ³	34				
TP10- 12	c) Ground floor slab	m ³	84				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
Total of page BOQ - 127 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 13	a) Walls and columns / stairways	m ³	17				
TP10- 14	b) Beams, slabs & lintols	m ³	89				
TP10- 15	c) Portal frames and roof beams	m ³	21				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
TP10- 16	a) Pile caps	m ²	34				
TP10- 17	b) Foundation beams, walls and stairways	m ²	198				
TP10- 18	c) Ground floor slab & beams	m ²	432				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
TP10- 19	a) Walls and Columns	m ²	189				
TP10- 20	b) Beams, slabs, Lintols & Stairways	m ²	670				
TP10- 21	c) Portal frames & roof beams	m ²	223				
	<u>Reinforcement</u>						
Total of page BOQ - 128 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 22	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	2,385				
TP10- 23	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	29,331				
	<u>Miscellaneous</u>						
	Forming undercounter vanity basin top of the sizes specified hereinunder as per detail drawing. Rate shall include for concrete, reinforcement, formwork and granite finish.						
TP10- 24	(a) Vanity counter of size 1650 x 725 mm	Nr	4				
TP10- 25	Forming concrete work top for kitchen sink of size 2175 x 500 mm as per detail drawing. Rate shall include for concrete, formwork, reinforcement and granite	Nr	2				
TP10- 26	Furnish and place 225 x 100 mm concrete kerb. Rate shall include for reinforcement and formwork.	m	17				
TP10- 27	75 mm thick grade 25 concrete weather canopy as per detail drawing. Rate shall include for necessary formwork and reinforcement	m	51				
TP10- 28	Construction of RCC man hole as per detail drawing. MH7 (600mm x 1000mm)	m	1				
Total of page BOQ - 129 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 29	Construction of RCC step 300mm wide as per detail drawing. Rate shall include for R/F form work etc.	m	5				
	<u>Masonry Work</u>						
TP10- 30	300mm thick brick fin walls in cement and sand 1:5 above ground floor level	m ²	112				
TP10- 31	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	553				
TP10- 32	Half brick (112.5 mm thick) walls in cement and sand 1:5 above ground floor level	m ²	32				
	<u>Miscellaneous</u>						
TP10- 33	Built in shelves of 5mm thick clear glass panels at 300mm c/c up to height of 1900mm as per detail drawing.	Nr	2				
	<u>Water Proofing</u>						
TP10- 34	Provide vapour barrier comprising 1000g polythene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm.	m ²	433				
Total of page BOQ - 130 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Payment will be made on the nett measured area of polythene without allowance for lapping.						
TP10- 35	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	25				
TP10- 36	Furnish, prepare and lay water proofing membrane, with a protective screed as per specifications on flat roof area	m ²	127				
	<p><u>Structual Metal Work</u></p> <p>Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.</p> <p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p>						
Total of page BOQ - 131 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Fabricating and erecting framed structures.						
TP10- 37	Galvernized "C" channel purlin of size 125 x 50x 3mm thick fixed to portal frame as per detail drawings.	m	544				
TP10- 38	Construct raised access floor of 600x600mm Galvanized steel plate and props as per the detail drawing.	m ²	66				
	<u>Metal Work</u>						
	Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings						
	All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.						
	Aluminium mosquito netting fixed to all aluminium louver panels by magnets internally.						
	<u>Aluminium doors</u>						
TP10- 39	Door type DW1 size 4700x2700mm powder coated aluminium framed 5mm thick clear float glass and aluminium louver panels on either sides with 1800x2700mm clear float glass double sash door.	Nr	1				
Total of page BOQ - 132 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 40	Door type D7 size 900x2100mm powder coated aluminium framed 5mm thick both side PVC coated plywood sheet both side and 5mm thick clear float glass single sash door.	Nr	1				
TP10- 41	Door type D9 size 800x2100mm powder coated aluminium framed 5mm thick both side PVC coated plywood sheet both sides single sash door.	Nr	5				
TP10- 42	Door type D11 size 900x2700mm aluminium framed 20 gauge colour bonded aluminium sheet and 5mm thick float glass single sash door with glazed fanlight above.	Nr	2				
TP10- 43	Door type D12 size 1500x2700mm aluminium framed 20 gauge colour bonded aluminium sheet and 5mm thick float glass double sash door with glazed fanlight above.	Nr	3				
TP10- 44	Door type D13 size 1500x2100mm powder coated aluminium framed 5mm thick both side PVC coated plywood sheet and 5mm thick clear float glass double sash door.	Nr	2				
TP10- 45	Door type D14 size 900x2100mm powder coated aluminium framed and 5mm thick PVC coated plywood sheet both sides single sash door.	Nr	4				
TP10- 46	Door type SD1 size 600x1950mm with powder coated aluminium framed and gauge 20 colour bonded aluminium sheet two sash sliding door.	Nr	2				
TP10- 47	Door type HD1 size 600x1500mm aluminium framed 20 gauge colour bonded aluminium sheet single sash hatch door.	Nr	1				
	Fixed Fan Lights						
Total of page BOQ - 133 to TP 10 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 48	Fixed glass type FG5 size 600x600mm powder coated aluminium framed and 5mm thick clear float glass single sash fixed panel.	Nr	2				
TP10- 49	Fixed glass type FG8 size 4700x2050mm powder coated aluminium framed and 5mm thick clear float glass nine sash fixed panel with aluminium louvers on either side. <u>Aluminium Window</u>	Nr	1				
TP10- 50	Window type W4 size 4700x1600mm powder coated aluminium framed 5mm thick clear float glass 3 sash top hung windows with 5mm thick fixed glass above and aluminium louver panels on either side backed with aluminium mosquito net.	Nr	11				
TP10- 51	Window type W4a size 4700x1600mm powder coated aluminium framed 5mm thick clear float glass 3 sash top hung windows, with 5mm thick fixed glass above and aluminium louver panels on either side and backed with 5mm thick clear glass panels. <u>Fan Lights</u>	Nr	8				
TP10- 52	Fan light type F1 size 600 x 600 mm powder coated aluminium framed, top hung glazed fanlight with 5mm thick clear float glass. <u>Partitions</u>	Nr	7				
TP10- 53	Partition type P6 size 4700 x 2750 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass with 900mm wide door.	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 54	Partition type P7 size 4700 x 2750 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both side and 5mm thick clear float glass and with 900mm wide door.	Nr	2				
TP10- 55	Partition type P8 size 4735 x 2750mm Alluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass with 900mm wide door.	Nr	1				
TP10- 56	Partition type P9 size 6735 x 2650 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass	Nr	1				
TP10- 57	Partition type P10 size 1735 x 2650 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass with 900mm wide door.	Nr	1				
TP10- 58	Partition type P11 size 7775x2650mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass and with two 900mm wide doors.	Nr	1				
TP10- 59	Partition type P12 size 4835x2650mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clar float glass.	Nr	2				
TP10- 60	Partition type P13 size 6835x3100mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass and with two 900mm wide doors.	Nr	1				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 61	Partition type P14 size 4835x3100 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass.	Nr	1				
TP10- 62	Partition type P15 size 6735x3100 mm aluminium framed partition with 5mm thick both side PVC coated plywood sheet both sides and 5mm thick clear float glass and with 900mm wide door	Nr	1				
TP10- 63	Partition type P16 size 4735x3100mm aluminium framed 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass.	Nr	2				
	Handrails						
	Furnish, fabricate and install 900mm high GI handrail as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.						
TP10- 64	a) Type R2	m	7				
	Furnish, fabricate and install 1100mm high GI handrail as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.						
TP10- 65	a) Type R2	m	21				
TP10- 66	b) Type R3	m	5				
TP10- 67	c) Type R4	m	3				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Phenolic Partitions</u>						
TP10- 68	Nylon framed phenolic sheet partition of size 1400 x 2100 mm as per detail drawing	Nr	4				
TP10- 69	Nylon framed phenolic sheet partition of size 1800 x 2100 mm with two doors of size 800 x 1950mm as per detail drawing	Nr	2				
TP10- 70	Nylon framed phenolic sheet partition of size 1900 x 2100 mm with two doors of size 800 x 1950 mm as per detail drawing	Nr	2				
	<u>Plain Openings</u>						
TP10- 71	Formong plain opening type OP1 size 500 x 750mm	Nr	1				
	<u>Wood Work</u>						
TP10- 72	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint to an approved colour and make.	m	139				
	<u>Roof Covering</u>						
TP10- 73	Furnish and lay two layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of "J" bolts nuts,sealing washers etc. as per detail drawing.	m ²	423				
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Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 74	Furnish and lay one layer of half round clay tiles on corrugated asbestos cement sheets on weather canopy roof slab as per detail drawing. Rate shall include for "J" bolts nuts, sealing washers etc. as per detail drawing.	m ²	51				
TP10- 75	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	47				
TP10- 76	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	423				
	<u>Roof Plumbing</u>						
TP10- 77	Furnish and install 100 x 100mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	118				
TP10- 78	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	87				
	<u>Wall/Floor/Ceiling Finishes</u>						
TP10- 79	Furnish and fix 150x150mm terra-cotta tiles with 50mm wide grey cement screed border over a 20mm thick bed of cement and sand 1:3 and fill in joints with latocrete grout to match the colour of the tiles.	m ²	84				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 80	Power floated finish to concrete floor in ramp.	m ²	25				
TP10- 81	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles	m ²	590				
TP10- 82	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles	m ²	43				
TP10- 83	Furnish and fix glazed ceramic wall tiles size 200mm x 200mm with 16mm thick 1:3 cement sand bed and fill in joints with grout of matching colour.	m ²	99				
TP10- 84	Furnish and install vinyl floor tiles to approval. Laid to manufacturers specification.	m2	66				
TP10- 85	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	976				
TP10- 86	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5 mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	544				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 87	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	650				
TP10- 88	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	86				
TP10- 89	20mm x 100mm 1:5 cement sand skirting finished with neat cement float and 2 coats of epoxy paint colour as directed.	m	45				
TP10- 90	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	259				
TP10- 91	Furnish and install 100mm high vinyl skirting to approval. All as per detail drawing.	m	22				
TP10- 92	Furnish and fix 600 x 600mm, 16mm thick mineral fibre ceiling panels on suspended powder coated aluminium frame work as per detail drawing	m ²	279				
TP10- 93	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	91				
TP10- 94	Furnish and fix 6mm thick Asbestos free fibre cement board sloping ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	102				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10- 95	Forming 150mm wide 20mm thick plaster band as per detail drawing.	m	90				
	<u>Painting</u>						
TP10- 96	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	1,521				
TP10- 97	Prepare underside of asbestos free fibre cement sheet flat ceiling, painted with in two coats of emulsion paint an approved make and colour	m ²	91				
TP10- 98	Prepare external faces of walls and columns, painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	649				
TP10- 99	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour	m ²	102				
	<u>W - Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	A - Waste Water Disposal System						
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
TP10-100	(a) Nominal 90mm dia.pipes	m	7				
TP10-101	(b) Nominal 75mm dia.pipes	m	4				
TP10-102	© Nominal 50mm dia. pipes	m	39				
TP10-103	(d) Nominal 40mm dia.pipes	m	18				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order						
TP10-104	a) 90mm x 50mm swept junction	Nr	2				
TP10-105	b) 90mm x 75mm reducing socket	Nr	1				
TP10-106	c) 75mm dia. short bend 87.5°	Nr	1				
	Furnish and install pipe ancillaries and connect to perfect working order						
TP10-107	150mm x 50mm PVC trapped floor gulley 50mm sealed depth as per detail drawing	Nr	10				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	B - Sewerage Disposal System						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
TP10-108	a) Nominal 160mm dia. pipes	m	6				
TP10-109	b) Nominal 110mm dia. pipes	m	14				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
TP10-110	a) 160mm dia. Plain Y Junction	Nr	2				
TP10-111	b) 110mm dia. Plain Y Junction	Nr	4				
TP10-112	c) 110mm dia. short bend 87.5 ⁰	Nr	9				
TP10-113	d) 110mm dia. Plain Y junction with back door	Nr	1				
TP10-114	e) 160mm dia. 90 deg. long radius inspection bend	Nr	1				
TP10-115	f) 160mm x 110mm reducing socket	Nr	4				
TP10-116	g) 160mm x 90mm reducing socket	Nr	1				
TP10-117	h) 90 mm dia. Short bend 87.5 ⁰	Nr	4				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10-118	i) 160 mm dia. Short bend 87.5°	Nr	1				
TP10-119	Construct Inspection Chamber 900mm x 670mm in cement concrete as per detail drawing.	Nr	2				
TP10-120	Construct 450mm x 450mm Grease gully as per detail drawing.	Nr	1				
TP10-121	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
TP10-122	Construct reinforced cement concrete septic tank for 30 persons as per standard detail drawing.	Nr	1				
TP10-123	Construct soakage pit for 20 persons as per standard detail drawing.	Nr	1				
TP10-124	Test and commission waste water and Sewerage Disposal System	Item	Sum				
<p><u>Q - Plumbing/Sanitary Installations</u></p> <p><u>Cold Water Supply System</u></p> <p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p>Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.</p>							
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10-125	Nominal 20mm dia.pipes	m	26				
TP10-126	Nominal 25mm dia.pipes	m	16				
TP10-127	Nominal 32mm dia. pipes	m	15				
TP10-128	Nominal 40mm dia.pipes	m	15				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
TP10-129	a) Chromium plated 20mm dia brass angle valve	Nr	25				
TP10-130	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
TP10-131	c) Chromium plated 32mm dia. brass stop valve	Nr	4				
	<u>Sanitary Installations</u>						
	Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
TP10-132	a)Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	7				
TP10-133	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	7				
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BILL OF QUANTITIES

BILL No.TP 10: Construction of Administration Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10-134	c) Chromium plated brass hand spray	Nr	7				
TP10-135	d) 20mm dia. Chromium plated brass bib tap.	Nr	4				
TP10-136	e)300mm long Flexible hose "fixnoI" or approved equivalent for 20mm pipes	Nr	19				
TP10-137	f) Chromium plated toilet paper holder	Nr	7				
TP10-138	g) Chromium plated brass soap holder	Nr	4				
TP10-139	h) Bevilled edge frameless mirror 400mmx600mm	Nr	7				
TP10-140	i) Chromium plated towel rail 600mm long	Nr	4				
TP10-141	j) Set of 03 bowl urinals with high level 9.0 litre capacity automatic flushing cistern with associated seperators,waste outlet, bottle traps, flush pipes and spreaders all complete to working order.	Nr	2				
TP10-142	k) Stainless steel, non magnetic, non corrosive, kitchen sink, minimum size of 1000x500mm single bowl, single draining board including 12mm dia. Chromium plated pillar tap with swival spout completed with bottle trap and accessories to perfect working order.	Nr	2				
TP10-143	Test and Commission Water Supply System	Item	Sum				
	For Architectural Equipment						
TP10-144	Supply all small power complete	Item	Sum				
TP10-145	Supply all Lighting complete	Item	Sum				
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BILL OF QUANTITIES

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Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP10-146	Supply all Telephone complete	Item	Sum				
TP10-147	Supply all Air conditioning complete	Item	Sum				
TP10-148	Supply all Lightning Protection complete	Item	Sum				
TP10-149	Install all small power complete	Item	Sum				
TP10-150	Install all Lighting complete	Item	Sum				
TP10-151	Install all Telephone complete	Item	Sum				
TP10-152	Install all Air conditioning complete	Item	Sum				
TP10-153	Install all Lightning Protection complete	Item	Sum				
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BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP11 - 1	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation trenches up to depth 2000mm return spoil for refill compacted in layers not exceeding 150mm.	m ³	74				
TP11 - 2	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, up to depth 2000mm return spoil for refill compacted in layers not exceeding 150mm.	m ³	97				
	<u>Filling</u>						
TP11 - 3	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	264				
	<u>Disposal of Water</u>						
TP11 - 4	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
TP11 - 5	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
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BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP11 - 6	a) 50mm thick screed in foundation trenches and pits	m ²	92				
TP11 - 7	b) In foundation beams and walls	m ³	18				
TP11 - 8	c) 75mm thick at ground floor slab	m ²	112				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
TP11 - 9	a) Foundation beams, walls and stairways	m ³	10				
TP11- 10	b) Column bases and stems	m ³	31				
TP11- 11	c) Ground floor slab & beams	m ³	41				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
TP11- 12	a) Walls and columns / stairways	m ³	33				
TP11- 13	b) Beams, slabs & lintols	m ³	31				
TP11- 14	c) Portal frames and roof beams	m ³	22				
	<u>Formwork</u>						
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BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
TP11- 15	a) Foundation beams, walls and stairways	m ²	153				
TP11- 16	b) Sides of column bases and stems	m ²	126				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
TP11- 17	a) Walls and Columns	m ²	389				
TP11- 18	b) Beams, slabs, Lintols & Stairways	m ²	339				
TP11- 19	c) Portal frames & roof beams	m ²	241				
	<u>Reinforcement</u>						
TP11- 20	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	2,316				
TP11- 21	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	13,356				
	<u>Miscellaneous</u>						
	Forming undercounter vanity basin top of the sizes specified hereinunder as per detail drawing. Rate shall include for concrete, reinforcement, formwork and granite finish.						
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BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 22	(a) Vanity counter of size 2000 x 525 mm	Nr	1				
TP11- 23	(b) Vanity counter of size 2000 x 700 mm	Nr	1				
TP11- 24	(a) Vanity counter of size 1500 x 700 mm	Nr	1				
TP11- 25	(a) Vanity counter of size 750 x 600 mm	Nr	1				
TP11- 26	Forming concrete work top for kitchen sink of size 1300 x 500 mm as per detail drawing. Rate shall include for concrete, formwork, reinforcement and granite	Nr	1				
TP11- 27	Furnish, place, compact and cure, 2500mm wide grade 25 concrete ramp with granolithic finish. Rate shall include for formwork, BR 5 steel mesh, forming 95% compacted earth base, and forming a mastic filler construction joint and edge protection as per detail drawings.	m	36				
TP11- 28	Furnish and place 225 x 100 mm concrete kerb. Rate shall include for reinforcement and formwork.	m	24				
TP11- 29	Furnish and place 700 x 350mm corble at 5500mm from Finish floor level as per detail drawing. Rate shall include for R/F, Formwork and Finishes.	Nr	27				
TP11- 30	75 mm thick grade 25 concrete weather canopy as per detail drawing. Rate shall include for necessary formwork and reinforcement	m	29				
	<u>Masonry Work</u>						
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BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 31	Random rubble masonry in cement and sand 1:5 using 150mm to 225mm size broken stone in foundations.	m ³	39				
TP11- 32	300mm thick brick fin walls in cement and sand 1:5 above ground floor level	m ²	135				
TP11- 33	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	435				
TP11- 34	Half brick (112.5 mm thick) walls in cement and sand 1:5 above ground floor level	m ²	45				
	<u>Miscellaneous</u>						
TP11- 35	Built in shelves of 5mm thick clear glass panels at 300mm c/c up to height of 1900mm as per detail drawing.	Nr	1				
	<u>Water Proofing</u>						
TP11- 36	Provide damp proof course on top of foundations comprising 20mm thick 1:3 cement, sand screed finished with two coats of hot asphalt/DPC tar and blinded with sand	m ²	90				
TP11- 37	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm.	m ²	526				
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BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 38	<p>Payment will be made on the nett measured area of polythene without allowance for lapping.</p> <p>Furnish, prepare and apply water proofing to the surface area to be water proofed in walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".</p> <p><u>Structural Metal Work</u></p> <p>Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.</p> <p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>	m ²	14				
TP11- 39	Galvernized "C" channel purlin of size 180 x 75 x 7mm thick fixed to portal frame as per detail drawings.	m	726				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 40	Crane rail as per detail drawing.	m	97				
	<u>Miscellaneous</u>						
TP11- 41	Furnish and fix 2000mm high, 04 Nos. 75 x 75x 6mm G.I. angle iron buffers to each column. Rate shall include for Anchoring and painting as per detail drawing.	Nr	10				
	<u>Metal Work</u>						
	Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings						
	All alluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded alluminium sheets with 5mm thick plywood backing as specified.						
	Aluminium doors						
TP11- 42	Door type D2 size 900x2100mm with Aluminium framed 20 guage colour bonded aluminium sheet with 5mm thick plywood backing and 5mm thick clear float glass single sash door.	Nr	3				
TP11- 43	Door type D3 size 1500x2100mm with Alluminium framed 20 gauge colour bonded aluminium sheet with 5mm plywood backing double sash door.	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 44	Door type D9 size 800x2100mm powder coated alluminium framed 5mm thick PVC coated plywood sheets on both sides single sash door.	Nr	4				
TP11- 45	Door type SD1 size 600x1950mm with Alluminium framed gauge 20 colour bonded alluminium sheet two sash sliding door.	Nr	2				
TP11- 46	Door type RS2 size 5000x4000 mm, manual operated colour bonded alluminium roller shutter door.	Nr	3				
TP11- 47	Door type RS3 size 3500 x 4000mm, manual operated colour bonded alluminium roller shutter door.	Nr	1				
	Aluminium Windows						
TP11- 48	Window type W5 size 3600 x 1700mm alluminium framed 5mm clear float glass 3 sash top hung glazed window with alluminium louvers and 5mm thick float clear fixed glass above	Nr	4				
	Fixed Fan Lights						
TP11- 49	Fixed glass type FG7 size 5000x900mm alluminium framed, 5mm thick clear float glass four sash flush panels with aluminium louvers on either side.	Nr	5				
TP11- 50	Fixed glass type FG5 size 600x600mm alluminium framed, 5mm thick clear float glass single sash fixed panel.	Nr	5				
	Fan Lights						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 51	Fan light type F1 size 600 x 600 mm powder coated aluminium framed, top hung glazed fanlight with 5mm thick clear float glass.	Nr	18				
	Partitions						
TP11-52	Partition type P1 size 2700 x 2850 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass with 900mm wide door.	Nr	1				
TP11-53	Partition type P2 size 2700 x 2850 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both sides and 5mm thick clear float glass.	Nr	1				
TP11-54	Partition type P3 size 9050 x 2600mm aluminium framed partition with 5mm thick PVC coated plywood sheet both side and 5mm thick clear float glass with 2 Nos. 900mm wide door.	Nr	1				
TP11-55	Partition type P4 size 2450 x 2600 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both side and 5mm thick clear float glass.	Nr	2				
TP11-56	Partition type P5 size 3775 x 2600 mm aluminium framed partition with 5mm thick PVC coated plywood sheet both side and 5mm thick clear float glass	Nr	1				
	Handrails						
TP11-57	Furnish, fabricate and install 1100mm high GI handrail type " R1" as per detail drawing. Rate shall include for applying two coats of anti corrosive paint and spray painted with two coats of enamel paint.	m	24				
	Miscellaneous						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Phenolic Partitions						
TP11- 58	Nylon framed phenolic sheet partition of size 1300 x 2100 mm as per detail drawing	Nr	1				
TP11- 59	Nylon framed phenolic sheet partition of size 1100x2100mm as per detail drawing.	Nr	1				
TP11- 60	Nylon framed phenolic sheet partition of size 2000 x 2100 mm with two doors of size 800 x 1950 as per detail drawing	Nr	1				
TP11- 61	Nylon framed phenolic sheet partition of size 1300 x 2100 mm with a door of size 800 x 1950 mm as per detail drawing	Nr	1				
TP11- 62	Nylon framed phenolic sheet partition of size 2500 x 2100 mm with two doors of size 800 x 1950 mm as per detail drawing	Nr	1				
	Wood Work						
TP11- 63	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply of one coat of Aluminium sealer and two coats of enamel paint to an approved colour and make.	m	111				
	Roof Covering						
TP11- 64	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos cement sheets roof cover pitch 20 degrees, fixed to steel framework inclusive of J bolts nuts,sealing washers etc. as per detail drawing.	m ²	751				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 65	Furnish and lay one layer of round clay tiles on corrugated asbestos cement sheets on weather canopy roof slab as per detail drawing. Rate shall include for "J" bolts nuts,sealing washers etc. as per detail drawing.	m ²	29				
TP11- 66	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	59				
TP11- 67	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	751				
	<u>Roof Plumbing</u>						
TP11- 68	Furnish and install 100x100mm Zinc/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	136				
TP11- 69	Furnish and install 470mm girth Zinc/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	111				
	<u>Painting</u>						
TP11- 70	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	945				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 71	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	22				
TP11- 72	Prepare underside of asbestos free fibre cement sheet sloping ceiling painted with two coats of emulsion paint an approved make and colour	m ²	609				
TP11- 73	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	756				
	<u>Wall/Floor/Ceiling Finishes</u>						
TP11- 74	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed	m ²	485				
TP11- 75	Power floated finish to concrete floor in ramp.	m ²	90				
TP11- 76	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles	m ²	140				
TP11- 77	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mm x 200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles	m ²	47				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 78	Furnish and fix glazed ceramic wall tiles size 200mm x 200mm with 16mm thick 1:3 cement sand bed and fill in joints with grout of matching colour.	m ²	101				
TP11- 79	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns finished smooth with neat cement float & applied with two coats of epoxy paint.	m ²	168				
TP11- 80	Plaster 16mm thick in cement sand 1:5 to internal faces of walls and columns, finished with 2-3mm thick skim coat as depicted in Specification.	m ²	571				
TP11- 81	Plaster sides and soffits of slabs, beams, stairways and portal frames with 5 mm thick skim coat after grinding and levelling any visible joints as depicted in Specification.	m ²	373				
TP11- 82	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough	m ²	756				
TP11- 83	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	61				
TP11- 84	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	39				
TP11- 85	Furnish and fix 600 x 600mm, 16mm thick mineral fibre ceiling panels on suspended powder coated aluminium frame work as per detail drawing	m ²	112				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 86	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	22				
TP11- 87	Furnish and fix 6mm thick Asbestos free fibre cement board sloping ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	609				
TP11- 88	Forming 16mm thick "V" groove as per detail drawing	m	54				
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
TP11- 89	Nominal 20mm dia.pipes	m	26				
TP11- 90	Nominal 25mm dia.pipes	m	10				
TP11- 91	Nominal 32mm dia. pipes	m	11				
TP11- 92	Nominal 40mm dia.pipes	m	8				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11- 93	a) Chromium plated 20mm dia brass angle valve	Nr	15				
TP11- 94	b) Chromium plated 25mm dia. brass stop valve	Nr	2				
TP11- 95	c) Chromium plated 32mm dia. brass stop valve	Nr	2				
	<u>Sanitary Installations</u> Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
TP11- 96	a)Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap, all complete to working order	Nr	5				
TP11- 97	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" trap, connector etc all complete to working order	Nr	4				
TP11- 98	c) Chromium plated brass hand spray	Nr	4				
TP11- 99	d) 20mm dia. Chromium plated brass bib tap	Nr	4				
TP11-100	e) 100mm dia. Chromium plated brass adjustable shower rose. All complete to working order	Nr	2				
TP11-101	f) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes	Nr	11				
TP11-102	g) Chromium plated toilet paper holder	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11-103	h) Chromium plated brass soap holder	Nr	5				
TP11-104	i) Bevilled edge frameless mirror 400mmx600mm	Nr	5				
TP11-105	j) Chromium plated towel rail 600mm long	Nr	5				
TP11-106	k) Set of 02 bowl urinals with high level 4.5 litre capacity automatic flushing cistern with associated seperators,waste outlet, bottle traps, flush pipes and spreaders all complete to working order.	Nr	2				
TP11-107	l) Stainless steel, non magnetic, non corrosive, kitchen sink, minimum size of 1000x500mm single bowl, single draining board including 12mm dia. Chromium plated pillar tap with swival spout completed with bottle trap and accessories to perfect working order.	Nr	1				
TP11-108	Test and Commission Water Supply System <u>W - Drainage</u> Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary. A - Waste Water Disposal System Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11-109	(a) Nominal 90mm dia.pipes	m	7				
TP11-110	(b) Nominal 75mm dia.pipes	m	4				
TP11-111	(c) Nominal 50mm dia. pipes	m	20				
TP11-112	(d) Nominal 40mm dia.pipes	m	25				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order						
TP11-113	a) 90mm x 50mm swept junction	Nr	2				
TP11-114	b) 90mm x 75mm reducing socket	Nr	1				
TP11-115	c) 75mm dia. short bend 87.5 ⁰	Nr	1				
	Furnish and install pipe ancillaries and connect to perfect working order						
TP11-116	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	6				
	B - Sewerage Disposal System						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
TP11-117	a) Nominal 160mm dia. pipes	m	6				
TP11-118	b) Nominal 110mm dia. pipes	m	7				
TP11-119	c) Nominal 90mm dia. pipes	m	4				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
TP11-120	a) 160mm dia. Plain Y Junction	Nr	2				
TP11-121	b) 110mm dia. Plain Y Junction	Nr	2				
TP11-122	c) 110mm dia. short bend 87.5 ⁰	Nr	4				
TP11-123	d) 110mm dia. Plain Y junction with back door	Nr	2				
TP11-124	e) 160mm dia. 90 deg. long radius inspection bend	Nr	1				
TP11-125	f) 160mm x 110mm reducing socket	Nr	2				
TP11-126	g) 160mm x 90mm reducing socket	Nr	1				
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BILL OF QUANTITIES

BILL No.TP 11: Construction of Maintenance Building

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP11-127	h) 90 mm dia. Short bend 87.5 ⁰	Nr	1				
TP11-128	i) 160 mm dia. Short bend 87.5 ⁰	Nr	1				
TP11-129	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
TP11-130	Construct reinforced concrete septic tank for 50 persons as per standard detail drawing.	Nr	1				
TP11-131	Construct soakage pit for 25 persons, as per the standard detail drawing.	Nr	1				
TP11-132	Test and commission waste water and Sewerage Disposal System	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.						
	<u>Excavation and Earthwork</u>						
TP12 - 1	Clearing site vegetation, bushes, shrubs, under growth hedge, trees and stump girth =<500mm	Item	Sum				
TP12 - 2	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cart away debris off site.	m ²	135				
TP12 - 3	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation trenches up to depth 2000mm return spoil for refill compacted in layers not exceeding 150mm.	m ³	21				
	<u>Filling</u>						
TP12 - 4	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	15				
	<u>Disposal of Water</u>						
TP12 - 5	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
TP12 - 6	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete Grade 15 laid within forms in:						
TP12 - 7	a) 75mm thick screed	m ²	36				
TP12 - 8	b) Floor slab	m ³	4				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
TP12 - 9	a) Column bases and stems	m ³	1				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
TP12- 10	a) Lintols	m ³	3				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
TP12- 11	a) Column bases and stems	m ²	6				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
TP12- 12	a) Lintols	m ²	33				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Reinforcement</u>						
TP12- 13	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	62				
TP12- 14	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	236				
	<u>Miscellaneous</u>						
	Construction of RCC Manhole as per detail drawing						
TP12- 15	a) MH10 (600mm x 600mm)	Nr	1				
TP12- 16	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & formwork etc.	m	7				
	<u>Masonry Work</u>						
TP12- 17	Random rubble masonry in cement and sand 1:5 using 150mm to 225mm size broken stone in foundations.	m ³	18				
TP12- 18	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	13				
	<u>Water Proofing</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 19	Provide damp proof course on top of foundations comprising 20mm thick 1:3 cement, sand screed finished with two coats of hot asphalt/DPC tar and blinded with sand	m ²	19				
TP12- 20	Provide vapour barrier comprising 1000g polythene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm.	m ²	41				
	<p><u>Structural Metal Work</u></p> <p>Tenderers are advised to refer to relevant preamble notes and drawings before pricing this work section.</p> <p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
TP12- 21	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	102				
TP12- 22	Hoist rail as per detail drawing.	m	10				
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BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets with 5mm thick plywood backing as specified.</p> <p>Aluminium doors</p>						
TP12- 23	Door type D1 size 900x2700mm Aluminium framed 20 guage colour bonded aluminium sheet with 5mm thick plywood backing and 5mm thick clear float glass single sash door with aluminium louver above.	Nr	2				
TP12- 24	Door type D2 size 800x2100mm Alluminium framed 5mm thick PVC coated plywood sheet (both side) single sash door.	Nr	1				
TP12- 25	Door type D3 size 1200x2700mm alluminium framed 20 gauge colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door with aluminium louver above.	Nr	1				
TP12- 26	Aluminium Windows						
TP12- 27	Window type W1 size 2000 x 1800mm alluminium framed 5mm thick clear float glass three sash windows with alluminium louvers above.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 28	Window type W2 size 1200 x 1800mm alluminium framed 5mm thick clear float glass two sash windows with alluminium louvers above.	Nr	4				
TP12- 29	Window type W3 size 900 x 1500mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers above.	Nr	4				
	<u>Wood Work</u>						
TP12- 30	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply of one coat of Aluminium sealer and two coats of enamel paint to an approved colour and make.	m	21				
	<u>Roof Frame/Covering</u>						
TP12- 31	Furnish and lay 2 layers of half round clay tiles on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "j" bolts, nuts, sealing washers etc.	m ²	72				
TP12- 32	Furnish and fix half round ridge/hip tile with cement mortar. Rate shall include for laying 300mm wide tar sheet.	m	10				
TP12- 33	Furnish and lay double sided sisilation foil over BRC mesh as per detail drawing	m ²	72				
	<u>Roof Plumbing</u>						
TP12- 34	Furnish and install 50x70mm Zinc/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	14				
Total of page BOQ - 172 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 35	Furnish and install 470mm girth Zinc/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	20				
	<u>Painting</u>						
TP12- 36	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	58				
TP12- 37	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	33				
TP12- 38	Prepare underside of asbestos free fibre cement sheet sloping ceiling painted with two coats of emulsion paint an approved make and colour	m ²	28				
TP12- 39	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour	m ²	77				
	<u>Wall/Floor/Ceiling Finishes</u>						
TP12- 40	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticecrete grout to match the colour of the tiles	m ²	29				
TP12- 41	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mm x 200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticecrete grout to match the colour of the tiles	m ²	4				
Total of page BOQ - 173 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 42	Furnish and fix glazed ceramic wall tiles size 200mm x 200mm with 16mm thick 1:3 cement sand bed and fill in joints with grout of matching colour.	m ²	10				
TP12- 43	Plaster 16mm thick in cement sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat as depicted in Specification.	m ²	58				
TP12- 44	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	77				
TP12- 45	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement	m ²	12				
TP12- 46	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	27				
TP12- 47	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	33				
TP12- 48	Furnish and fix 6mm thick Asbestos free fibre cement board sloping ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	28				
Total of page BOQ - 174 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Q - Plumbing/Sanitary Installations</u></p> <p><u>Cold Water Supply System</u></p> <p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p>Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.</p>						
TP12- 49	Nominal 20mm dia.pipes	m	3				
TP12- 50	Nominal 25mm dia.pipes	m	7				
TP12- 51	Furnish and install pipe fixtures and fittings and connect to perfect working order						
TP12- 52	a) Chromium plated 20mm dia brass angle valve	Nr	3				
TP12- 53	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	<p><u>Sanitary Installations</u></p> <p>Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.</p>						
TP12- 54	a)Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap, all complete to working order	Nr	1				
Total of page BOQ - 175 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 55	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" trap, connector etc all complete to working order	Nr	1				
TP12- 56	c) Chromium plated brass hand spray	Nr	1				
TP12- 57	d) 20mm dia. Chromium plated brass bib tap	Nr	1				
TP12- 58	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes	Nr	3				
TP12- 59	f) Chromium plated toilet paper holder	Nr	1				
TP12- 60	g) Chromium plated brass soap holder	Nr	1				
TP12- 61	h) Bevilled edge frameless mirror 400mmx600mm	Nr	1				
TP12- 62	i) Chromium plated towel rail 600mm long	Nr	1				
TP12- 63	j) 100mm dia. Brass ajustable shower Rose	Nr	1				
TP12- 64	Test and Commission Water Supply System	Item	Sum				
	<u>W - Drainage</u> Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary. A - Waste Water Disposal System						
Total of page BOQ - 176 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
TP12- 65	(a) Nominal 110mm dia.pipes	m	2				
TP12- 66	(b) Nominal 50mm dia.pipes	m	3				
TP12- 67	(c) Nominal 40mm dia. pipes	m	2				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order						
TP12- 68	a) 110mm x 50mm swept junction	Nr	1				
TP12- 69	b) 50mm x 40mm reducing socket	Nr	2				
TP12- 70	c) 110mm dia. short bend 87.5 ⁰	Nr	2				
TP12- 71	d) 110mm media plain "Y" Junction	Nr	2				
	Furnish and install pipe ancillaries and connect to perfect working order						
TP12- 72	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	B - Sewerage Disposal System						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed seperately in the Bill of Quantities.						
TP12- 73	a) Nominal 160mm dia. pipes	m	6				
TP12- 74	b) Nominal 110mm dia. pipes	m	7				
Total of page BOQ - 177 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 12: Construction of Guard House

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP12- 75	c) Nominal 90mm dia. pipes Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.	m	4				
TP12- 76	a) 160mm dia. Plain Y Junction	Nr	2				
TP12- 77	b) 110mm dia. Plain Y Junction	Nr	2				
TP12- 78	c) 110mm dia. short bend 87.5 ⁰	Nr	4				
TP12- 79	d) 110mm dia. Plain Y junction with back door	Nr	2				
TP12- 80	e) 160mm dia. 90 deg. long radius inspection bend	Nr	1				
TP12- 81	f) 160mm x 110mm reducing socket	Nr	2				
TP12- 82	g) 160mm x 90mm reducing socket	Nr	1				
TP12- 83	h) 90 mm dia. Short bend 87.5 ⁰	Nr	1				
TP12- 84	i) 160 mm dia. Short bend 87.5 ⁰	Nr	1				
TP12- 85	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
TP12- 86	Construct reinforced concrete septic tank for 50 persons as per standard detail drawing.	Nr	1				
TP12- 87	Construct soakage pit for 25 persons, as per the standard detail drawing.	Nr	1				
TP12- 88	Test and commission waste water and Sewerage Disposal System	Item	Sum				
Total of page BOQ - 178 to TP 12 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<p>Supply and Delivery at site all DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation</p> <p>All pipes (except flange pipes) shall be Class K9 (T-type) Flange pipes and all fittings except Tees shall be Class - K12 All Tees shall be Class - K14 All Flanges shall be of PN 10 except Transmission pipe PN 25</p> <p>Inlet Pipe (Conveyance Pipe to Distribution Chamber)</p>									
TP13 - 1	Straight pipe, dia 800 mm	m	79							
TP13 - 2	Double Socket bend, dia 800 mm x 22 1/2°	Nr	1							
TP13 - 3	Double Socket Bend, dia 800 mm x 45°	Nr	2							
	<p>Connection Pipe (Distribution Chamber - Flocculation Basin)</p>									
TP13 - 4	Straight pipe, dia 200 mm	m	25							
TP13 - 5	Straight pipe, dia 700 mm	m	125							
TP13 - 6	Double Flanged Bend, dia 200 mm x 90°	Nr	2							
TP13 - 7	Double Socket Bend, dia 7 00 mm x 45°	Nr	12							
TP13 - 8	Double Socket Bend, dia 7 00 mm x 90°	Nr	8							
TP13 - 9	Flanged Spigot, dia 200 mm	Nr	4							
TP13 - 10	Double Socket Tee with Flanged Branch, dia 700 x 200 mm	Nr	2							
Total of page BOQ - 179 to TP 13 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP13- 11	Gate Valve, dia 200 mm	Nr	2						
	Connection Pipe (Filter - Clear Water Reservoir)								
TP13- 12	Straight pipe, dia 600 mm	m	16						
TP13- 13	Straight pipe, dia 800 mm	m	7						
TP13- 14	Straight pipe, dia 1000 mm	m	7						
TP13- 15	Double Socket Bend, dia 600 mm x 90°	Nr	1						
TP13- 16	All Sockt Tee, dia 800 x 600 mm	Nr	1						
TP13- 17	All Flanged Tee, dia 1000 x 1000 mm	Nr	1						
TP13- 18	Double Socket Taper, dia 800 x 600 mm	Nr	1						
TP13- 19	Double Socket Taper, dia 1000 x 800 mm	Nr	1						
TP13- 20	Flange Spigot, dia 1000 mm	Nr	2						
TP13- 21	Blank Flange, dia 1000 mm	Nr	1						
TP13- 22	Collar, dia 600 mm	Nr	2						
TP13- 23	Collar, dia 1000 mm	Nr	1						
	Connection Pipe (Clear Water Reservoir - Transmission Pump Station)								
TP13- 24	Straight pipe, dia 600 mm	m	3						
TP13- 25	Straight pipe, dia 700 mm	m	4						
TP13- 26	Straight pipe, dia 1100 mm	m	6						
TP13- 27	Straight pipe, dia 1200 mm	m	9						
Total of page BOQ - 180 to TP 13 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP13- 28	Double Socket Bend, dia 700 mm x 90°	Nr	1							
TP13- 29	Flange Spigot, dia 1000 mm	Nr	2							
TP13- 30	All Flanged Tee, dia 1100 x 600 mm	Nr	1							
TP13- 31	All Sockt Tee, dia 1200 x 1200 mm	Nr	1							
TP13- 32	Double Socket Taper, dia 700 x 600 mm	Nr	1							
TP13- 33	Double Socket Taper, dia 1200 x 700 mm	Nr	1							
TP13- 34	Double Socket Taper, dia 1200 x 1100 mm	Nr	1							
TP13- 35	Blank Flange, dia 1100 mm	Nr	1							
TP13- 36	Collar, dia 600 mm	Nr	2							
TP13- 37	Collar, dia 1200 mm	Nr	1							
	Transmission (To Asgiriya)									
TP13- 38	Straight pipe, dia 800 mm (TF Type)	m	271							
TP13- 39	Double Socket Bend, dia 800 mm x 22 1/2° (TF Type)	Nr	2							
TP13- 40	Double Socket Bend, dia 800 mm x 90° (TF Type)	Nr	2							
TP13- 41	Collar, dia 800 mm (TF Type)	Nr	1							
	Transmission (To Kahawatta)									
TP13- 42	Straight pipe, dia 600 mm	m	265							
TP13- 43	Double Socket Bend, dia 600 mm x 22 1/2°	Nr	2							
TP13- 44	Double Socket Bend, dia 600 mm x 90°	Nr	2							
Total of page BOQ - 181 to TP 13 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP13- 45	Restrained Coupling, dia 600 mm	Nr	14						
TP13- 46	Collar, dia 600 mm (TF Type)	Nr	1						
	Transmission (To Gohagoda & Condadeniya)								
TP13- 47	Straight pipe, dia 350 mm	m	229						
TP13- 48	Double Socket Bend, dia 350 mm x 22 1/2°	Nr	1						
TP13- 49	Double Socket Bend, dia 350 mm x 45°	Nr	5						
TP13- 50	Flange Spigot, dia 350 mm	Nr	1						
TP13- 51	Collar, dia 350 mm	Nr	3						
TP13- 52	Restrained Coupling, dia 350 mm	Nr	20						
	Backwash Recycle Pipe (250mm)								
TP13- 53	Straight pipe, dia 250 mm	m	89						
TP13- 54	Double Socket Bend, dia 250 mm x 45°	Nr	8						
TP13- 55	Collar, dia 250 mm	Nr	2						
	Overflow Pipe from Distribution Chamber								
TP13- 56	Straight pipe, dia 600 mm	m	20						
TP13- 57	Double Socket Bend, dia 600 mm x 45°	Nr	2						
	Drain Pipe from Flocculation Basin Inlet Channel								
TP13- 58	Straight pipe, dia 200 mm	m	31						
TP13- 59	Double Socket Bend, dia 200 mm x 90°	Nr	2						
Total of page BOQ - 182 to TP 13 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP13- 60	Flange Spigot, dia 200 mm	Nr	4							
TP13- 61	Collar, dia 200 mm dia	Nr	4							
TP13- 62	Gate Valve, dia 200 mm	Nr	2							
	Drain Pipe from Sedimentation Basin Outlet Channel to Sludge Lagoon									
TP13- 63	Straight pipe, dia 200 mm	m	3							
TP13- 64	Flange Spigot, dia 200 mm	Nr	2							
TP13- 65	Collar, dia 200 mm dia	Nr	3							
TP13- 66	Gate Valve, dia 200 mm	Nr	1							
	Drain Pipe from Sedimentation Basin Drain Pit									
TP13- 67	Straight pipe, dia 250 mm	m	4							
TP13- 68	Collar, dia 250 mm	Nr	2							
	Drain Pipe from Sedimentation Basin Floor Drain									
TP13- 69	Straight pipe, dia 200 mm	m	4							
TP13- 70	Collar, dia 200 mm dia	Nr	2							
	Drain Pipe from Filter Basin									
TP13- 71	Straight pipe, dia 200 mm	m	49							
TP13- 72	Double Socket Bend, dia 200 mm x 45°	Nr	4							
TP13- 73	Double Socket Bend, dia 200 mm x 90°	Nr	1							
	Drain Pipe from Filter Backwash Pump Floor Drain									
Total of page BOQ - 183 to TP 13 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP13- 74	Straight pipe, dia 200 mm	m	2						
TP13- 75	Collar, dia 200 mm dia	Nr	1						
	Backwash Drain Pipe from Filter								
TP13- 76	Straight pipe, dia 600 mm	m	12						
TP13- 77	All Sockt Tee, dia 600 x 600 mm	Nr	1						
TP13- 78	Double Socket Bend, dia 600 mm x 90°	Nr	1						
TP13- 79	Collar, dia 600 mm	Nr	1						
	Overflow Pipe from Clear Water Reservoir								
TP13- 80	Straight pipe, dia 350 mm	m	2						
TP13- 81	Collar, dia 350 mm	Nr	2						
	Drain Pipe from Sedimentation Basin Drain Pit								
TP13- 82	Straight pipe, dia 100 mm	m	50						
TP13- 83	Double Socket Bend, dia 100 mm x 90°	Nr	1						
TP13- 84	Double Socket Bend, dia 100 mm x 45°	Nr	4						
TP13- 85	Collar, dia 100 mm	Nr	2						
	Wash Water Pipe								
TP13- 86	Straight pipe, dia 100 mm	m	162						
TP13- 87	Straight pipe, dia 150 mm	m	44						
TP13- 88	Straight pipe, dia 200 mm	m	155						
Total of page BOQ - 184 to TP 13 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 13: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP13- 89	Double Socket Bend, dia 100 mm x 90°	Nr	2						
TP13- 90	Double Socket Bend, dia 150 mm x 90°	Nr	1						
TP13- 91	Double Socket Bend, dia 200 mm x 90°	Nr	2						
TP13- 92	All Socket Tee, dia 150 x100 mm	Nr	1						
TP13- 93	All Socket Tee, dia 150 x 150 mm	Nr	1						
TP13- 94	All Socket Tee, dia 200 x 100 mm	Nr	2						
TP13- 95	All Socket Tee, dia 200 x 150 mm	Nr	1						
TP13- 96	Double Socket Taper, dia 150 x 100 mm	Nr	2						
TP13- 97	Double Socket Taper, dia 200 x 100 mm	Nr	1						
TP13- 98	Collar, dia 100 mm	Nr	5						
TP13- 99	Collar, dia 200 mm dia	Nr	1						
Total of page BOQ - 185 to TP 13 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 14: Supply of RC Pipes/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Supply and Delivery at site all RC pipes and fittings including rubber rings, jointing materials and all other associated materials required for complete installation All pipes and fittings shall be with rubber ring joints unless specified Drain Pipe from Sedimentation Basin Outlet Channel to Sludge Lagoon						
TP14 - 1	RCP 450mm dia	m	22				
TP14 - 2	RCP 600mm dia	m	202				
	Backwash Drain Pipe from Filter						
TP14 - 3	RCP 600mm dia	m	8				
	Overflow Pipe from Clear Water Reservoir						
TP14 - 4	RCP 750mm dia	m	42				
TP14 - 5	RCP 1050mm dia	m	107				
Total of page BOQ - 186 to TP 14 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 15: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench DI Pipes Specials & Fittings as Specified</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves.</p> <p><u>Depth to invert of pipe not exceeding 2.0m.</u></p>						
TP15 - 1	100 mm dia	m	212				
TP15 - 2	150 mm dia	m	44				
TP15 - 3	200 mm dia	m	269				
TP15 - 4	250 mm dia	m	93				
TP15 - 5	350 mm dia	m	231				
TP15 - 6	600 mm dia	m	316				
TP15 - 7	700 mm dia	m	129				
TP15 - 8	800 mm dia	m	357				
	<p><u>Depth to invert of pipe with 2 to 3m</u></p>						
TP15 - 9	1000 mm dia	m	7				
Total of page BOQ - 187 to TP 15 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 15: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP15- 10	1100 mm dia	m	6				
TP15- 11	1200 mm dia	m	9				
	<u>Extra over Items for chamber</u>						
	Rate to include for additional excavation, shoring, dewatering, formwork, installation of all DI fittings and specials, valves and all necessary items of work required for complete installation.						
TP15- 12	Chamber	Nr	3				
Total of page BOQ - 188 to TP 15 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 16: Laying of RC Pipes/Fittings for Yard Pipe

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench RC Pipes Specials & Fittings as Specified.</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering, backfilling or filling with selected material (where necessary), compaction & disposal of excess & unsuitable material as directed by the Engineer</p> <p><u>Depth to invert of pipe not exceeding 2.0m.</u></p>						
TP16 - 1	RCP 450mm dia	m	22				
TP16 - 2	RCP 600mm dia	m	210				
TP16 - 3	RCP 750mm dia	m	42				
TP16 - 4	RCP 1050mm dia	m	107				
Total of page BOQ - 189 to TP 16 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	Supply & Delivery of Equipment as per specifications & drawings. Rate to include for all jointing material and maintenance material.									
	<u>Mechanical Equipment</u>									
	Distribution Chamber									
TP17 - 1	Supply distribution valve complete	Nr	2							
TP17 - 2	Supply alum distribution tank complete	Nr	1							
TP17 - 3	Supply all pipework, valves and fittings complete	Item	1							
TP17 - 4	Supply all supporting steelwork for equipment complete	Item	1							
	Flocculation/Sedimentation Basins									
TP17 - 5	Supply sludge collector complete	Nr	4							
TP17 - 6	Supply de-sludge valve complete	Nr	8							
TP17 - 7	Supply sampling pump complete	Nr	1							
TP17 - 8	Supply all pipework, valves and fittings complete	Item	1							
TP17 - 9	Supply all spare parts complete	Item	1							
TP17-10	Supply all maintenance equipment and tools complete	Item	1							
Total of page BOQ - 190 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP17-11	Supply all other items necessary to make flocculation/ sedimentation basins equipment complete Filtration Units	Item	1						
TP17-12	Supply inflow gate complete	Nr	4						
TP17-13	Supply backwash drainage gate complete	Nr	4						
TP17-14	Supply effluent valve complete	Nr	4						
TP17-15	Supply backwash valve complete	Nr	4						
TP17-16	Supply air scour valve complete	Nr	4						
TP17-17	Supply drain valve complete	Nr	4						
TP17-18	Supply backwash pump complete	Nr	3						
TP17-19	Supply air blower complete	Nr	2						
TP17-20	Supply sump drainage pump complete	Nr	2						
TP17-21	Supply lime mixing tank complete	Nr	1						
TP17-22	Supply lime mixer complete	Nr	1						
TP17-23	Supply lime feed pump complete	Nr	2						
Total of page BOQ - 191 to TP 17 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-24	Supply all pipework, valves and fittings complete	Item	1							
TP17-25	Supply all gates and fittings complete	Item	1							
TP17-26	Supply all supporting steelwork for equipment complete	Item	1							
TP17-27	Supply all spare parts complete	Item	1							
TP17-28	Supply all maintenance equipment and tools complete	Item	1							
TP17-29	Supply all other items necessary to make filtration units equipment complete	Item	1							
	Clear Water Pump Station									
TP17-30	Supply transmission pump (A - 1) complete	Nr	2							
TP17-31	Supply transmission pump (A - 2) complete	Nr	2							
TP17-32	Supply transmission pump (A - 3) complete	Nr	2							
TP17-33	Supply discharge valve (A - 1) complete	Nr	2							
TP17-34	Supply discharge valve (A - 2) complete	Nr	2							
TP17-35	Supply discharge valve (A - 3) complete	Nr	2							
TP17-36	Supply sump drainage pump complete	Nr	2							
TP17-37	Supply plant water supply unit complete	Nr	1							
Total of page BOQ - 192 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP17-38	Supply chlorination booster pump complete	Nr	2						
TP17-39	Supply overhead crane and rail complete	Nr	1						
TP17-40	Supply all pipework, valves and fittings complete	Item	1						
TP17-41	Supply all supporting steelwork for equipment complete	Item	1						
TP17-42	Supply all spare parts complete	Item	1						
TP17-43	Supply all maintenance equipment and tools complete	Item	1						
TP17-44	Supply all other items necessary to make clear water reservoir and pump station equipment complete	Item	1						
	Chemical Building								
TP17-45	Supply alum mixer complete	Nr	2						
TP17-46	Supply level tank complete	Nr	1						
TP17-47	Supply alum pump complete	Nr	2						
TP17-48	Supply lime mixer complete	Nr	2						
TP17-49	Supply lime level tank complete	Nr	1						
TP17-50	Supply lime pump complete	Nr	2						
TP17-51	Supply lime feed pump complete	Nr	2						
Total of page BOQ - 193 to TP 17 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-52	Supply lime dust extraction fan complete	Nr	1							
TP17-53	Supply lime dust extraction tank complete	Nr	1							
TP17-54	Supply chemical crane and rails complete	Nr	1							
TP17-55	Supply chlorine container complete	Nr	14							
TP17-56	Supply weighing scale complete	Nr	2							
TP17-57	Supply pre-chlorinator complete	Nr	2							
TP17-58	Supply post-chlorinator complete	Nr	2							
TP17-59	Supply injector complete	Nr	2							
TP17-60	Supply chlorine crane and rails complete	Nr	1							
TP17-61	Supply chlorine drums complete with gas	Nr	14							
TP17-62	Supply all pipework, valves and fittings complete	Item	1							
TP17-63	Supply all supporting steelwork for equipment complete	Item	1							
TP17-64	Supply all chlorination safety equipment complete	Item	1							
TP17-65	Supply all spare parts complete	Item	1							
TP17-66	Supply all maintenance equipment and tools complete	Item	1							
Total of page BOQ - 194 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-67	Supply all other items necessary to make chemical building equipment complete Backwash Recovery Facility	Item	1							
TP17-68	Supply recycle inlet valve complete	Nr	2							
TP17-69	Supply backwash recovery pump complete	Nr	2							
TP17-70	Supply all gates and fittings complete	Item	1							
TP17-71	Supply all supporting steelwork for equipment complete	Item	1							
TP17-72	Supply all spare parts complete	Item	1							
TP17-73	Supply all maintenance equipment and tools complete	Item	1							
TP17-74	Supply all other items necessary to make backwash recovery facility equipment complete Sludge Lagoons	Item	1							
TP17-75	Supply sludge lagoon inlet valve complete	Nr	2							
TP17-76	Supply all pipework, valves and fittings complete	Item	1							
TP17-77	Supply all supporting steelwork for equipment complete	Item	1							
TP17-78	Supply all spare parts complete	Item	1							
Total of page BOQ - 195 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-79	Supply all maintenance equipment and tools complete	Item	1							
TP17-80	Supply all other items necessary to make sludge lagoons equipment complete	Item	1							
	Electrical Equipment									
	Distribution Chamber									
TP17-81	Supply Distribution Chamber Level Switch complete	Nr	1							
TP17-82	Supply all cable, pipe and other materials complete	Item	1							
	Flocculation/Sedimentation Basins									
TP17-83	Supply De-sludge Valve Local Operation Panel complete	Nr	2							
TP17-84	Supply Sludge Collector Local Operation Panel complete	Nr	4							
TP17-85	Supply Sampling Pump Local Operation Panel complete	Nr	1							
TP17-86	Supply Sampling Pump Level Switch complete	Nr	1							
TP17-87	Supply all cable, tray, pipe and other materials complete	Item	1							
TP17-88	Supply all spare parts complete	Item	1							
TP17-89	Supply all other items necessary to make flocculation/ sedimentation basins equipment complete	Item	1							
Total of page BOQ - 196 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	Filtration Units									
TP17-90	Supply Sedi. & Filter MCC complete	Nr	1							
TP17-91	Supply Sedi. & Filter Auxiliary Relay Panel complete	Nr	1							
TP17-92	Supply Backwash MCC complete	Nr	1							
TP17-93	Supply Backwash Auxiliary Relay Panel complete	Nr	1							
TP17-94	Supply Filter Backwash Local Operation Panel complete	Nr	2							
TP17-95	Supply Filter Valve Local Operation Panel complete	Nr	4							
TP17-96	Supply Backwash Pump Local Operation Panel complete	Nr	1							
TP17-97	Supply Air Blower Local Operation Panel complete	Nr	1							
TP17-98	Supply Sump Drainage Pump Local Operation Panel complete	Nr	1							
TP17-99	Supply Post Lime Dosing Local Operation Panel complete	Nr	1							
TP17-100	Supply Water Treatment PLC complete (Including in TP17-178)	Nr	1							
TP17-101	Supply Backwash Water Flow complete	Nr	1							
TP17-102	Supply Air Scouring Flow complete	Nr	1							
TP17-103	Supply Post Lime Dosing Flow complete	Nr	1							
Total of page BOQ - 197 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP17-104	Supply Filter Unit Level complete	Nr	4						
TP17-105	Supply Backwash Water Tank Level Switch complete	Nr	1						
TP17-106	Supply Sump Drainage Level Switch complete	Nr	1						
TP17-107	Supply Post Lime Head Tank Level Switch complete	Nr	1						
TP17-108	Supply Instrumentation Panel for Filter Unit complete	Nr	1						
TP17-109	Supply all cable, tray, pipe and other materials complete	Item	1						
TP17-110	Supply all spare parts complete	Item	1						
TP17-111	Supply all maintenance equipment and tools complete	Item	1						
TP17-112	Supply all other items necessary to make filtration units equipment complete	Item	1						
	Clear Water Pump Station								
TP17-113	Supply Transmission Pump (A-1) Panel complete	Nr	2						
TP17-114	Supply Transmission Pump (A-2) Panel complete	Nr	2						
TP17-115	Supply Transmission Pump (A-3) Panel complete	Nr	2						
TP17-116	Supply Transmission Pump (A-1) Local Operation Panel complete	Nr	2						
TP17-117	Supply Transmission Pump (A-2) Local Operation Panel complete	Nr	2						
Total of page BOQ - 198 to TP 17 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-118	Supply Transmission Pump (A-3) Local Operation Panel complete	Nr	2							
TP17-119	Supply Sump Drainage Pump Local Operation Panel complete	Nr	1							
TP17-120	Supply Chlorination Booster Pump Local Operation Panel complete	Nr	1							
TP17-121	Supply Clear Water Pump PLC complete (Including in TP17-178)	Nr	1							
TP17-122	Supply Clear Water Reservoir Level complete	Nr	2							
TP17-123	Supply Transmission Flow (A-1) complete	Nr	1							
TP17-124	Supply Transmission Flow (A-2) complete	Nr	1							
TP17-125	Supply Transmission Flow (A-3) complete	Nr	1							
TP17-126	Supply Transmission Flow (A-1a) complete	Nr	1							
TP17-127	Supply Sump Drainage Level Switch complete	Nr	1							
TP17-128	Supply Transmission Pressure (A-1) complete	Nr	1							
TP17-129	Supply Transmission Pressure (A-2) complete	Nr	1							
TP17-130	Supply Transmission Pressure (A-3) complete	Nr	1							
TP17-131	Supply Instrumentation Panel for Clear Water Pump complete	Nr	1							
TP17-132	Supply all cable, tray, pipe and other materials complete	Item	1							
Total of page BOQ - 199 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-133	Supply all spare parts complete	Item	1							
TP17-134	Supply all maintenance equipment and tools complete	Item	1							
TP17-135	Supply all other items necessary to make clear water reservoir and pump station equipment complete	Item	1							
	Chemical Building									
TP17-136	Supply Chemical Dosing MCC complete	Nr	1							
TP17-137	Supply Chemical Dosing Auxiliary Relay Panel complete	Nr	1							
TP17-138	Supply Alum Pump Local Operation Panel complete	Nr	1							
TP17-139	Supply Alum Mixer Local Operation Panel complete	Nr	1							
TP17-140	Supply Lime Pump Local Operation Panel complete	Nr	1							
TP17-141	Supply Lime Mixer Local Operation Panel complete	Nr	1							
TP17-142	Supply Pre Lime Dosing Pump Local Operation Panel complete	Nr	1							
TP17-143	Supply Lime Dust Extract Fan Local Operation Panel complete	Nr	1							
TP17-144	Blank									
TP17-145	Supply Chemical Dosing PLC complete (Including in TP17-178)	Nr	1							
TP17-146	Supply Alum Dosing Flow complete	Nr	1							
Total of page BOQ - 200 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-147	Supply Pre Lime Dosing Flow complete	Nr	1							
TP17-148	Supply Alum Mixing Tank Level Switch complete	Nr	2							
TP17-149	Supply Alum Level Tank Level Switch complete	Nr	1							
TP17-150	Supply Lime Mixing Tank Level Switch complete	Nr	2							
TP17-151	Supply Lime Level Tank Level Switch complete	Nr	1							
TP17-152	Supply Chlorin Cylinder Weight complete	Nr	1							
TP17-153	Supply Instrumentation Panel for Chemical Dosing complete	Nr	1							
TP17-154	Supply all cable, tray, pipe and other materials complete	Item	1							
TP17-155	Supply all spare parts complete	Item	1							
TP17-156	Supply all maintenance equipment and tools complete	Item	1							
TP17-157	Supply all other items necessary to make chemical building equipment complete	Item	1							
	Backwash Recovery Facility									
TP17-158	Supply Backwash Recovery Pump Local Operation Panel complete	Nr	1							
TP17-159	Supply Backwash Water Return Flow complete	Nr	1							
TP17-160	Supply Backwash Recovery Tank Level complete	Nr	2							
Total of page BOQ - 201 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-161	Supply all cable, tray, pipe and other materials complete	Item	1							
TP17-162	Supply all spare parts complete	Item	1							
TP17-163	Supply all other items necessary to make backwash recovery facility equipment complete	Item	1							
	Electrical Substation and Generator Building									
TP17-164	Supply HT Receiving Panel complete	Nr	1							
TP17-165	Supply No.1 HT Feeder Panel complete	Nr	1							
TP17-166	Supply No.1 HT Transformer Panel complete	Nr	1							
TP17-167	Supply No.1 Transformer Secondary Panel complete	Nr	1							
TP17-168	Supply No.1 LV Feeder Panel complete	Nr	1							
TP17-169	Supply No.2 LV Feeder Panel complete	Nr	1							
TP17-170	Supply Static Capacitor Panel complete	Nr	1							
TP17-171	Supply UPS Equipment complete	Nr	1							
TP17-172	Supply Power Receiving PLC complete (Including in TP17-178)	Nr	1							
TP17-173	Supply generator set and all ancillary equipment complete	Item	1							
TP17-174	Supply all cable, tray, pipe and other materials complete	Item	1							
Total of page BOQ - 202 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 17: Supply of Pumps/Fittings, Equipment

Water Treatment Plant

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TP17-175	Supply all spare parts complete	Item	1							
TP17-176	Supply all maintenance equipment and tools complete	Item	1							
TP17-177	Supply all other items necessary to make electrical substation and generator facility complete	Item	1							
	Administration Building									
TP17-178	Supply Monitoring System complete	Nr	1							
TP17-179	Supply PLC Panel for Monitoring System -1 complete (Including in TP17-178)	Nr	1							
TP17-180	Supply PLC Panel for Monitoring System -2 complete (Including in TP17-178)	Nr	1							
TP17-181	Supply all cable, tray, pipe and other materials complete	Item	1							
TP17-182	Supply all spare parts complete	Item	1							
TP17-183	Supply all maintenance equipment and tools complete	Item	1							
TP17-184	Supply all other items necessary to make monitoring system complete	Item	1							
	Site Work									
TP17-185	Supply grounding system complete	Item	1							
TP17-186	Supply all CEB connection complete	Item	1							
Total of page BOQ - 203 to TP 17 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Installation of Equipment as per specifications & drawings. Rate to include for all jointing.						
	<u>Mechanical Equipment</u>						
	Distribution Chamber						
TP18-1	Install distribution valve complete	Nr	2				
TP18-2	Install alum distribution tank complete	Nr	1				
TP18-3	Install all pipework, valves and fittings complete	Item	1				
TP18-4	Install all supporting steelwork for equipment complete	Item	1				
	Flocculation/Sedimentation Basins						
TP18-5	Install sludge collector complete	Nr	4				
TP18-6	Install de-sludge valve complete	Nr	8				
TP18-7	Install sampling pump complete	Nr	1				
TP18-8	Install all pipework, valves and fittings complete	Item	1				
TP18-9	All other work necessary to make flocculation/ sedimentation basins equipment complete	Item	1				
	Filtration Units						
Total of page BOQ - 204 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-10	Install inflow gate complete	Nr	4				
TP18-11	Install backwash drainage gate complete	Nr	4				
TP18-12	Install effluent valve complete	Nr	4				
TP18-13	Install backwash valve complete	Nr	4				
TP18-14	Install air scour valve complete	Nr	4				
TP18-15	Install drain valve complete	Nr	4				
TP18-16	Install backwash pump complete	Nr	3				
TP18-17	Install air blower complete	Nr	2				
TP18-18	Install sump drainage pump complete	Nr	2				
TP18-19	Install lime mixing tank complete	Nr	1				
TP18-20	Install lime mixer complete	Nr	1				
TP18-21	Install lime feed pump complete	Nr	2				
TP18-22	Install all pipework, valves and fittings complete	Item	1				
TP18-23	Install all gates and fittings complete	Item	1				
Total of page BOQ - 205 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-24	Install all supporting steelwork for equipment complete	Item	1				
TP18-25	All other works necessary to make filtration units equipment complete	Item	1				
	Clear Water Pump Station						
TP18-26	Install transmission pump (A - 1) complete	Nr	2				
TP18-27	Install transmission pump (A - 2) complete	Nr	2				
TP18-28	Install transmission pump (A - 3) complete	Nr	2				
TP18-29	Install discharge valve (A - 1) complete	Nr	2				
TP18-30	Install discharge valve (A - 2) complete	Nr	2				
TP18-31	Install discharge valve (A - 3) complete	Nr	2				
TP18-32	Install sump drainage pump complete	Nr	2				
TP18-33	Install plant water Supply unit complete	Nr	1				
TP18-34	Install chlorination booster pump complete	Nr	2				
TP18-35	Install overhead crane and rail complete	Nr	1				
TP18-36	Install all pipework, valves and fittings complete	Item	1				
Total of page BOQ - 206 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-37	Install all supporting steelwork for equipment complete	Item	1				
TP18-38	All other works necessary to make clear water reservoir and pump station equipment complete Chemical Building	Item	1				
TP18-39	Install alum mixer complete	Nr	2				
TP18-40	Install level tank complete	Nr	1				
TP18-41	Install alum pump complete	Nr	2				
TP18-42	Install lime mixer complete	Nr	2				
TP18-43	Install lime level tank complete	Nr	1				
TP18-44	Install lime pump complete	Nr	2				
TP18-45	Install lime feed pump complete	Nr	2				
TP18-46	Install lime dust extraction fan complete	Nr	1				
TP18-47	Install lime dust extraction tank complete	Nr	1				
TP18-48	Install chemical crane and rails complete	Nr	1				
TP18-49	Install chlorine container complete	Nr	14				
TP18-50	Install weighing scale complete	Nr	2				
Total of page BOQ - 207 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-51	Install pre-chlorinator complete	Nr	2				
TP18-52	Install post-chlorinator complete	Nr	2				
TP18-53	Install injector complete	Nr	2				
TP18-54	Install chlorine crane and rails complete	Nr	1				
TP18-55	Install chlorine drums complete with gas	Nr	14				
TP18-56	Install all pipework, valves and fittings complete	Item	1				
TP18-57	Install all supporting steelwork for equipment complete	Item	1				
TP18-58	Install all chlorination safety equipment complete	Item	1				
TP18-59	All other works necessary to make chemical building equipment complete	Item	1				
Backwash Recovery Facility							
TP18-60	Install recycle inlet valve complete	Nr	2				
TP18-61	Install backwash recovery pump complete	Nr	2				
TP18-62	Install all gates and fittings complete	Item	1				
TP18-63	Install all supporting steelwork for equipment complete	Item	1				
TP18-64	All other works necessary to make backwash recovery facility equipment complete	Item	1				
Total of page BOQ - 208 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Sludge Lagoons						
TP18-65	Install sludge lagoon inlet valve complete	Nr	2				
TP18-66	Install all pipework, valves and fittings complete	Item	1				
TP18-67	Install all supporting steelwork for equipment complete	Item	1				
TP18-68	All other works necessary to make sludge lagoons equipment complete	Item	1				
	<u>Electrical Equipment</u>						
	Distribution Chamber						
TP18-69	Install Distribution Chamber Level Switch complete	Nr	1				
TP18-70	Install all cable, pipe and other materials complete	Item	1				
	Flocculation/Sedimentation Basins						
TP18-71	Install De-sludge Valve Local Operation Panel complete	Nr	2				
TP18-72	Install Sludge Collector Local Operation Panel complete	Nr	4				
TP18-73	Install Sampling Pump Local Operation Panel complete	Nr	1				
TP18-74	Install Sampling Pump Level Switch complete	Nr	1				
Total of page BOQ - 209 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-75	Install all cable, tray, pipe and other materials complete	Item	1				
TP18-76	All other works necessary to make flocculation/ sedimentation basins equipment complete	Item	1				
	Filtration Units						
TP18-77	Install Sedi. & Filter MCC complete	Nr	1				
TP18-78	Install Sedi. & Filter Auxiliary Relay Panel complete	Nr	1				
TP18-79	Install Backwash MCC complete	Nr	1				
TP18-80	Install Backwash Auxiliary Relay Panel complete	Nr	1				
TP18-81	Install Filter Backwash Local Operation Panel complete	Nr	2				
TP18-82	Install Filter Valve Local Operation Panel complete	Nr	4				
TP18-83	Install Backwash Pump Local Operation Panel complete	Nr	1				
TP18-84	Install Air Blower Local Operation Panel complete	Nr	1				
TP18-85	Install Sump Drainage Pump Local Operation Panel complete	Nr	1				
TP18-86	Install Post Lime Dosing Local Operation Panel complete	Nr	1				
TP18-87	Install Water Treatment PLC complete (Including in TP19-156)	Nr	1				
TP18-88	Install Backwash Water Flow complete	Nr	1				
Total of page BOQ - 210 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-89	Install Air Scouring Flow complete	Nr	1				
TP18-90	Install Post Lime Dosing Flow complete	Nr	1				
TP18-91	Install Filter Unit Level complete	Nr	4				
TP18-92	Install Backwash Water Tank Level Switch complete	Nr	1				
TP18-93	Install Sump Drainage Level Switch complete	Nr	1				
TP18-94	Install Post Lime Head Tank Level Switch complete	Nr	1				
TP18-95	Install Instrumentation Panel for Filter Unit complete	Nr	1				
TP18-96	Install all cable, tray, pipe and other materials complete	Item	1				
TP18-97	All other works necessary to make filtration units equipment complete	Item	1				
	Clear Water Pump Station						
TP18-98	Install Transmission Pump (A-1) Panel complete	Nr	2				
TP18-99	Install Transmission Pump (A-2) Panel complete	Nr	2				
TP18-100	Install Transmission Pump (A-3) Panel complete	Nr	2				
TP18-101	Install Transmission Pump (A-1) Local Operation Panel complete	Nr	2				
TP18-102	Install Transmission Pump (A-2) Local Operation Panel complete	Nr	2				
Total of page BOQ - 211 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-103	Install Transmission Pump (A-3) Local Operation Panel complete	Nr	2				
TP18-104	Install Sump Drainage Pump Local Operation Panel complete	Nr	1				
TP18-105	Install Chlorination Booster Pump Local Operation Panel complete	Nr	1				
TP18-106	Install Clear Water Pump PLC complete (including in TP18-156)	Nr	1				
TP18-107	Install Clear Water Reservoir Level complete	Nr	2				
TP18-108	Install Transmission Flow (A-1) complete	Nr	1				
TP18-109	Install Transmission Flow (A-2) complete	Nr	1				
TP18-110	Install Transmission Flow (A-3) complete	Nr	1				
TP18-111	Install Transmission Flow (A-1a) complete	Nr	1				
TP18-112	Install Sump Drainage Level Switch complete	Nr	1				
TP18-113	Install Transmission Pressure (A-1) complete	Nr	1				
TP18-114	Install Transmission Pressure (A-2) complete	Nr	1				
TP18-115	Install Transmission Pressure (A-3) complete	Nr	1				
TP18-116	Install Instrumentation Panel for Clear Water Pump complete	Nr	1				
Total of page BOQ - 212 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-117	Install all cable, tray, pipe and other materials complete	Item	1				
TP18-118	All other works necessary to make clear water reservoir and pump station equipment complete	Item	1				
	Chemical Building						
TP18-119	Install Chemical Dosing MCC complete	Nr	1				
TP18-120	Install Chemical Dosing Auxiliary Relay Panel complete	Nr	1				
TP18-121	Install Alum Pump Local Operation Panel complete	Nr	1				
TP18-122	Install Alum Mixer Local Operation Panel complete	Nr	1				
TP18-123	Install Lime Pump Local Operation Panel complete	Nr	1				
TP18-124	Install Lime Mixer Local Operation Panel complete	Nr	1				
TP18-125	Install Lime Dosing Pump Local Operation Panel complete	Nr	1				
TP18-126	Install Lime Dust Extract Fan Local Operation Panel complete	Nr	1				
TP18-127	Blank						
TP18-128	Install Chemical Dosing PLC complete (Including TP18-156)	Nr	1				
TP18-129	Install Alum Dosing Flow complete	Nr	1				
Total of page BOQ - 213 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-130	Install Pre Lime Dosing Flow complete	Nr	1				
TP18-131	Install Alum Mixing Tank Level Switch complete	Nr	2				
TP18-132	Install Alum Level Tank Level Switch complete	Nr	1				
TP18-133	Install Lime Mixing Tank Level Switch complete	Nr	2				
TP18-134	Install Lime Level Tank Level Switch complete	Nr	1				
TP18-135	Install Chlorin Cylinder Weight complete	Nr	1				
TP18-136	Install Instrumentation Panel for Chemical Dosing complete	Nr	1				
TP18-137	Install all cable, tray, pipe and other materials complete	Item	1				
TP18-138	All other works necessary to make chemical building equipment complete	Item	1				
	Backwash Recovery Facility						
TP18-139	Install Backwash Recovery Pump Local Operation Panel complete	Nr	1				
TP18-140	Install Backwash Water Return Flow complete	Nr	1				
TP18-141	Install Backwash Recovery Tank Level complete	Nr	2				
TP18-142	Install all cable, tray, pipe and other materials complete	Item	1				
Total of page BOQ - 214 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-143	All other works necessary to make backwash recovery facility equipment complete Electrical Substation and Generator Building	Item	1				
TP18-144	Install HT Receiving Panel complete	Nr	1				
TP18-145	Install No.1 HT Feeder Panel complete	Nr	1				
TP18-146	Install No.1 HT Transformer Panel complete	Nr	1				
TP18-147	Install No.1 Transformer Secondary Panel complete	Nr	1				
TP18-148	Install No.1 LV Feeder Panel complete	Nr	1				
TP18-149	Install No.2 LV Feeder Panel complete	Nr	1				
TP18-150	Install Static Capacitor Panel complete	Nr	1				
TP18-151	Install UPS Equipment complete	Nr	1				
TP18-152	Install Power Receiving PLC complete (Including in TP18-156)	Nr	1				
TP18-153	Install generator set and all ancillary equipment complete	Item	1				
TP18-154	Install all cable, tray, pipe and other materials complete	Item	1				
Total of page BOQ - 215 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TP 18: Installation of Pumps/Fittings, Equipment

WATER TREATMENT PLANT

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP18-155	All other works necessary to make electrical substation and generator facility complete Administration Building	Item	1				
TP18-156	Install Monitoring System complete	Nr	1				
TP18-157	Install PLC Panel for Monitoring System -1 complete (Including in TP18-156)	Nr	1				
TP18-158	Install PLC Panel for Monitoring System -2 complete (Including in TP18-156)	Nr	1				
TP18-159	Install all cable, tray, pipe and other materials complete	Item	1				
TP18-160	All other works necessary to make monitoring system complete Site Work	Item	1				
TP18-161	Install grounding system complete	Item	1				
TP18-162	Install all CEB connection complete	Item	1				
TP18-162	CEB connection fee	Item	1				
Total of page BOQ - 216 to TP 18 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 1 - Sum

Site Work

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 1	Page BOQ - 63 of Bill TP 1 Page BOQ - 64 of Bill TP 1 Page BOQ - 65 of Bill TP 1 Page BOQ - 66 of Bill TP 1 Page BOQ - 67 of Bill TP 1		
TP1-SUM	Total of TP 1 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 2 - Sum

Construction of Distribution Chamber

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 2	Page BOQ - 68 of Bill TP 2 Page BOQ - 69 of Bill TP 2 Page BOQ - 70 of Bill TP 2 Page BOQ - 71 of Bill TP 2 Page BOQ - 72 of Bill TP 2 Page BOQ - 73 of Bill TP 2 Page BOQ - 74 of Bill TP 2		
TP2-SUM	Total of TP 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 3 - Sum

Costruction of Floccuration/Sedimentation Basins

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 3	Page BOQ - 75 of Bill TP 3 Page BOQ - 76 of Bill TP 3 Page BOQ - 77 of Bill TP 3		
TP3-SUM	Total of TP 3 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 4 - Sum

Construction of Filtration Units

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 4	Page BOQ - 78 of Bill TP 4 Page BOQ - 79 of Bill TP 4 Page BOQ - 80 of Bill TP 4 Page BOQ - 81 of Bill TP 4 Page BOQ - 82 of Bill TP 4 Page BOQ - 83 of Bill TP 4 Page BOQ - 84 of Bill TP 4 Page BOQ - 85 of Bill TP 4 Page BOQ - 86 of Bill TP 4 Page BOQ - 87 of Bill TP 4 Page BOQ - 88 of Bill TP 4		
TP4-SUM	Total of TP 4 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 5 - Sum

Construction of Clear Water Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 5	Page BOQ - 89 of Bill TP 5 Page BOQ - 90 of Bill TP 5 Page BOQ - 91 of Bill TP 5		
TP5-SUM	Total of TP 5 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 6 - Sum

Construction of Clear Water Pump Station

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 6	Page BOQ - 92 of Bill TP 6 Page BOQ - 93 of Bill TP 6 Page BOQ - 94 of Bill TP 6 Page BOQ - 95 of Bill TP 6 Page BOQ - 96 of Bill TP 6 Page BOQ - 97 of Bill TP 6 Page BOQ - 98 of Bill TP 6 Page BOQ - 99 of Bill TP 6 Page BOQ - 100 of Bill TP 6 Page BOQ - 101 of Bill TP 6 Page BOQ - 102 of Bill TP 6		
TP6-SUM	Total of TP 6 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 7 - Sum

Construction of Chemical Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 7	Page BOQ - 103 of Bill TP 7		
	Page BOQ - 104 of Bill TP 7		
	Page BOQ - 105 of Bill TP 7		
	Page BOQ - 106 of Bill TP 7		
	Page BOQ - 107 of Bill TP 7		
	Page BOQ - 108 of Bill TP 7		
	Page BOQ - 109 of Bill TP 7		
	Page BOQ - 110 of Bill TP 7		
	Page BOQ - 111 of Bill TP 7		
	Page BOQ - 112 of Bill TP 7		
	Page BOQ - 113 of Bill TP 7		
	Page BOQ - 114 of Bill TP 7		
	Page BOQ - 115 of Bill TP 7		
TP7-SUM	Total of TP 7 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 8 - Sum

Constructio of Backwash Water Recovery Facility

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 8	Page BOQ - 116 of Bill TP 8		
	Page BOQ - 117 of Bill TP 8		
	Page BOQ - 118 of Bill TP 8		
	Page BOQ - 119 of Bill TP 8		
	Page BOQ - 120 of Bill TP 8		
	Page BOQ - 121 of Bill TP 8		
	Page BOQ - 122 of Bill TP 8		
	Page BOQ - 123 of Bill TP 8		
	Page BOQ - 124 of Bill TP 8		
TP8-SUM	Total of TP 8 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 9 - Sum

Construction of Electrical Substation/Generator Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 9	Page BOQ - 125 of Bill TP 9	INCLUDING	INCLUDING
TP9-SUM	Total of TP 9 to Bill Summary	INCLUDING	INCLUDING

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 10 - Sum

Construction of Administration Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 10	Page BOQ - 126 of Bill TP 10 Page BOQ - 127 of Bill TP 10 Page BOQ - 128 of Bill TP 10 Page BOQ - 129 of Bill TP 10 Page BOQ - 130 of Bill TP 10 Page BOQ - 131 of Bill TP 10 Page BOQ - 132 of Bill TP 10 Page BOQ - 133 of Bill TP 10 Page BOQ - 134 of Bill TP 10 Page BOQ - 135 of Bill TP 10 Page BOQ - 136 of Bill TP 10 Page BOQ - 137 of Bill TP 10 Page BOQ - 138 of Bill TP 10 Page BOQ - 139 of Bill TP 10		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 10 - Sum

Construction of Administration Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
TP 10	Page BOQ - 140 of Bill TP 10 Page BOQ - 141 of Bill TP 10 Page BOQ - 142 of Bill TP 10 Page BOQ - 143 of Bill TP 10 Page BOQ - 144 of Bill TP 10 Page BOQ - 145 of Bill TP 10 Page BOQ - 146 of Bill TP 10 Page BOQ - 147 of Bill TP 10		
TP10-SUM	Total of TP 10 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 11 - Sum

Construction of Maintenance Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 11	Page BOQ - 148 of Bill TP 11		
	Page BOQ - 149 of Bill TP 11		
	Page BOQ - 150 of Bill TP 11		
	Page BOQ - 151 of Bill TP 11		
	Page BOQ - 152 of Bill TP 11		
	Page BOQ - 153 of Bill TP 11		
	Page BOQ - 154 of Bill TP 11		
	Page BOQ - 155 of Bill TP 11		
	Page BOQ - 156 of Bill TP 11		
	Page BOQ - 157 of Bill TP 11		
	Page BOQ - 158 of Bill TP 11		
	Page BOQ - 159 of Bill TP 11		
	Page BOQ - 160 of Bill TP 11		
	Page BOQ - 161 of Bill TP 11		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 11 - Sum

Construction of Maintenance Building

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
TP 11	Page BOQ - 162 of Bill TP 11 Page BOQ - 163 of Bill TP 11 Page BOQ - 164 of Bill TP 11 Page BOQ - 165 of Bill TP 11 Page BOQ - 166 of Bill TP 11		
TP11-SUM	Total of TP 11 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 12 - Sum

Construction of Guard House

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 12	Page BOQ - 167 of Bill TP 12 Page BOQ - 168 of Bill TP 12 Page BOQ - 169 of Bill TP 12 Page BOQ - 170 of Bill TP 12 Page BOQ - 171 of Bill TP 12 Page BOQ - 172 of Bill TP 12 Page BOQ - 173 of Bill TP 12 Page BOQ - 174 of Bill TP 12 Page BOQ - 175 of Bill TP 12 Page BOQ - 176 of Bill TP 12 Page BOQ - 177 of Bill TP 12 Page BOQ - 178 of Bill TP 12		
TP12-SUM	Total of TP 12 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 14 - Sum

Supply of PVC Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 14	Page BOQ - 186 of Bill TP 14		
TP14-SUM	Total of TP 14 to Bill Summary		

BILL No.TP 15 - Sum

Laying of DI Pipes/Valves/Pumps/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 15	Page BOQ - 187 of Bill TP 15 Page BOQ - 188 of Bill TP 15		
TP15-SUM	Total of TP 15 to Bill Summary		

BILL No.TP 16 - Sum

Laying of PVC Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 16	Page BOQ - 189 of Bill TP 16		
TP16-SUM	Total of TP 16 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 18 - Sum

Installation of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TP 18	Page BOQ - 204 of Bill TP 18		
	Page BOQ - 205 of Bill TP 18		
	Page BOQ - 206 of Bill TP 18		
	Page BOQ - 207 of Bill TP 18		
	Page BOQ - 208 of Bill TP 18		
	Page BOQ - 209 of Bill TP 18		
	Page BOQ - 210 of Bill TP 18		
	Page BOQ - 211 of Bill TP 18		
	Page BOQ - 212 of Bill TP 18		
	Page BOQ - 213 of Bill TP 18		
	Page BOQ - 214 of Bill TP 18		
	Page BOQ - 215 of Bill TP 18		
	Page BOQ -216 of Bill TP 18		
TP18-SUM	Total of TP 18 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 13 - Sum

Supply of DI Pipes/Valves/Pumps/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP 13	Page BOQ - 179 of Bill TP 13 Page BOQ - 180 of Bill TP 13 Page BOQ - 181 of Bill TP 13 Page BOQ - 182 of Bill TP 13 Page BOQ - 183 of Bill TP 13 Page BOQ - 184 of Bill TP 13 Page BOQ - 185 of Bill TP 13			
TP13-SUM	Total of TP 13 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP 17 - Sum

Supply of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP 17	Page BOQ - 190 of Bill TP 17 Page BOQ - 191 of Bill TP 17 Page BOQ - 192 of Bill TP 17 Page BOQ - 193 of Bill TP 17 Page BOQ - 194 of Bill TP 17 Page BOQ - 195 of Bill TP 17 Page BOQ - 196 of Bill TP 17 Page BOQ - 197 of Bill TP 17 Page BOQ - 198 of Bill TP 17 Page BOQ - 199 of Bill TP 17 Page BOQ - 200 of Bill TP 17 Page BOQ - 201 of Bill TP 17 Page BOQ - 202 of Bill TP 17 Page BOQ - 203 of Bill TP 17			
TP17-SUM	Total of TP 17 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TP - Sum

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TP 1	Site Work			
TP 2	Construction of Distribution Chamber			
TP 3	Costruction of Floccuration/Sedimentation Basins			
TP 4	Construction of Filtration Units			
TP 5	Construction of Clear Water Reservoir			
TP 6	Construction of Clear Water Pump Station			
TP 7	Construction of Chemical Building			
TP 8	Construction of Backwash Water Recovery Facility			
TP 9	Construction of Electrical Substation/Generator Building	INCL.	INCL.	
TP 10	Construction of Administration Building			
TP 11	Construction of Maintenance Building			
TP 12	Construction of Guard House			
TP 13	Supply of DI Pipes/Valves/Fittings for Yard Pipe			
TP 14	Supply of RC Pipes/Fittings for Yard Pipe			
TP 15	Laying of DI Pipes/Valves/Fittings for Yard Pipe			
TP 16	Laying of RC Pipes/Fittings for Yard Pipe			
TP 17	Supply of Pumps/Fittings, Equipment			
TP 18	Installation of Pumps/Fittings, Equipment			
TP-SUM	Total of WTP to Grand Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<p>Supply and Delivery at site all DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation</p> <p>All DI pipes (except flange pipes) shall be Class - K9</p> <p>Flange pipes and all fittings except Tees shall be Class - K12</p> <p>All Tees shall be Class - K14</p> <p>All Flanges shall be of PN 10, 16, 25</p> <p>WTP to WTP Junction - Wattegama Line as depicted in Drawing No: 20-C-01</p>								
TM 1 - 1	Socket & Spigot Pipes, dia 600 mm length 6 m, T Type	m	178						
TM 1 - 2	Double Socket Bend, dia 600 mm x 11 ¹ / ₄ ⁰	Nr	6						
TM 1 - 3	Double Socket Bend, dia 600 mm x 22 ¹ / ₂ ⁰	Nr	2						
TM 1 - 4	Double Socket Bend, dia 600 mm x 45 ⁰	Nr	2						
TM 1 - 5	Restrained Joint (T Type), dia 600 mm	Nr	29						
TM 1 - 6	Collar, dia 600 mm	Nr	1						
	<p>WTP to Gohagoda Reservoir as depicted in Drawing No: 20-C-02</p>								
TM 1 - 7	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	1,785						
TM 1 - 8	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	793						
TM 1 - 9	Socket & Spigot Pipes, dia 350 mm length 6 m, T Type	m	487						
TM 1 - 10	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ [*]	Nr	19						
TM 1 - 11	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ [*]	Nr	7						
Total of page BOQ - 236 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1- 12	Double Socket Bend, dia 350 mm x 11 ¹ / ₄ °	Nr	7						
TM 1- 13	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	15						
TM 1- 14	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ °	Nr	4						
TM 1- 15	Double Socket Bend, dia 350 mm x 22 ¹ / ₂ °	Nr	6						
TM 1- 16	Double Socket Bend, dia 200 mm x 45°	Nr	1						
TM 1- 17	Double Socket Bend, dia 250 mm x 45°	Nr	1						
TM 1- 18	Double Socket Bend, dia 350 mm x 45°	Nr	3						
TM 1- 19	Collar, dia 200 mm	Nr	9						
TM 1- 20	Collar, dia 250 mm	Nr	4						
TM 1- 21	Collar, dia 350 mm	Nr	2						
	For Air Valve Points (PN 16)								
TM 1- 22	Double Socket Tee with Flanged Branch, dia 200x80 mm	Nr	4						
TM 1- 23	Double Socket Tee with Flanged Branch, dia 250x80 mm	Nr	1						
TM 1- 24	Double Socket Tee with Flanged Branch, dia 350x100 mm	Nr	2						
TM 1- 25	Double Flanged Short Piece(0.25m), dia 80 mm	Nr	1						
TM 1- 26	Double Flanged Short Piece(0.25m), dia 100 mm	Nr	1						
TM 1- 27	Collar, dia 200 mm	Nr	4						
TM 1- 28	Collar, dia 250 mm	Nr	1						
TM 1- 29	Collar, dia 350 mm	Nr	4						
TM 1- 30	Single Orifice Air Valve, dia 80 mm	Nr	5						
TM 1- 31	Double Orifice Air Valve, dia 100 mm	Nr	2						
Total of page BOQ - 237 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1- 32	Ball Valve, dia 80 mm	Nr	5							
TM 1- 33	Ball Valve, dia 100 mm	Nr	2							
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>									
TM 1- 34	Double Socket I/Tee with 200x80 Flanged Branch	Nr	3							
TM 1- 35	Double Socket I/Tee with 200x80 Flanged Branch(PN 10)	Nr	1							
TM 1- 36	Double Socket I/Tee with 250x80 Flanged Branch	Nr	1							
TM 1- 37	Double Socket I/Tee with 350x100 Flanged Branch	Nr	2							
TM 1- 38	Collar, dia 200 mm	Nr	4							
TM 1- 39	Collar, dia 250 mm	Nr	1							
TM 1- 40	Collar, dia 350 mm	Nr	2							
	<u>For Wash Out (PN 16)</u>									
TM 1- 41	Flanged Spigot, dia 80 mm(incl. PN10:Nr 3)	Nr	15							
TM 1- 42	Flanged Spigot, dia 100 mm	Nr	6							
TM 1- 43	Conection Adaptor, dia 80 mm	Nr	5							
TM 1- 44	Conection Adaptor, dia 100 mm	Nr	2							
TM 1- 45	Collar, dia 80 mm	Nr	5							
TM 1- 46	Collar, dia 100 mm	Nr	4							
TM 1- 47	Sluice Valve, dia 80 mm	Nr	5							
TM 1- 48	Sluice Valve, dia 100 mm	Nr	2							
	<u>For junction Detail</u>									
Total of page BOQ - 238 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1- 49	Double Socket Bend, dia 200mm x 90°	Nr	1						
TM 1- 50	Socket Tee, dia 200 x 200 mm	Nr	2						
TM 1- 51	Socket Tee, dia 250 x 200 mm	Nr	1						
TM 1- 52	Socket Tee, dia 350 x 300 mm	Nr	1						
TM 1- 53	Socket Reducer, dia 200 x 100 mm	Nr	1						
TM 1- 54	Socket Reducer, dia 250 x 200 mm	Nr	1						
TM 1- 55	Socket Reducer, dia 350 x 250 mm	Nr	1						
TM 1- 56	Flanged Spigot, dia 100 mm (PN10)	Nr	2						
TM 1- 57	Flanged Spigot, dia 200 mm (PN10)	Nr	1						
TM 1- 58	Flanged Spigot, dia 200 mm (PN16)	Nr	3						
TM 1- 59	Flanged Spigot, dia 250 mm (PN16)	Nr	1						
TM 1- 60	Flanged Spigot, dia 300 mm (PN16)	Nr	1						
TM 1- 61	Short Plain Pipe(2m), dia 100 mm	Nr	1						
TM 1- 62	Short Plain Pipe(2m), dia 200 mm	Nr	2						
TM 1- 63	Short Plain Pipe(2m), dia 300 mm	Nr	3						
TM 1- 64	Flanged Adaptor, dia 100 mm (PN10)	Nr	1						
TM 1- 65	Flanged Adaptor, dia 200 mm (PN10)	Nr	1						
TM 1- 66	Flanged Adaptor, dia 200 mm (PN16)	Nr	3						
TM 1- 67	Flanged Adaptor, dia 250 mm (PN16)	Nr	1						
Total of page BOQ - 239 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1- 68	Flanged Adaptor, dia 300 mm (PN16)	Nr	1						
TM 1- 69	Connection Adaptor (DI/PVC), dia 200 mm (PN16)	Nr	2						
TM 1- 70	Collar dia 100 mm	Nr	1						
TM 1- 71	Collar dia 200 mm	Nr	8						
TM 1- 72	Collar dia 250 mm	Nr	3						
TM 1- 73	Collar dia 300 mm	Nr	2						
TM 1- 74	Collar dia 350 mm	Nr	1						
TM 1- 75	End Cap dia 100 mm	Nr	1						
TM 1- 76	Sluice Valve dia 100 mm (PN10)	Nr	1						
TM 1- 77	Sluice Valve dia 200 mm (PN16)	Nr	3						
TM 1- 78	Sluice Valve dia 200 mm (PN10)	Nr	1						
TM 1- 79	Sluice Valve dia 250 mm (PN16)	Nr	1						
TM 1- 80	Sluice Valve dia 300 mm (PN16)	Nr	1						
	Kondadeniya Junction to Kondadeniya Connection as depicted in Drawing No: 20-C-03								
TM 1- 81	Socket & Spigot Pipes, dia 300 mm length 6 m, T Type	m	890						
TM 1- 82	Double Socket Bend, dia 300 mm x 11 ¹ / ₄ °	Nr	23						
TM 1- 83	Double Socket Bend, dia 300 mm x 22 ¹ / ₂ °	Nr	14						
TM 1- 84	Double Socket Bend, dia 300 mm x 45°	Nr	3						
TM 1- 85	Collar, dia 300 mm	Nr	2						
Total of page BOQ - 240 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<u>For Air Valve Points</u>									
TM 1- 86	Double Socket Tee with Flanged Branch, dia 300x80 mm(PN16)	Nr	2							
TM 1- 87	Double Flanged Short Piece(0.25m), dia 80 mm (PN 16)	Nr	2							
TM 1- 88	Collar, dia 300 mm	Nr	2							
TM 1- 89	Single Orifice Air Valve, dia 80 mm (PN 16)	Nr	2							
TM 1- 90	Ball Valve, dia 80 mm (PN 16)	Nr	2							
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>									
TM 1- 91	Double Socket I/Tee with 300x80 mm Flanged Branch	Nr	1							
TM 1- 92	Collar, dia 300 mm	Nr	1							
	<u>For Wash Out</u>									
TM 1- 93	Flanged Spigot, dia 80 mm (PN 16)	Nr	3							
TM 1- 94	Flanged Adaptor, dia 80 mm (PN 16)	Nr	3							
TM 1- 95	Conection Adaptor, dia 80 mm (PN 16)	Nr	1							
TM 1- 96	Collar, dia 80 mm	Nr	1							
TM 1- 97	Sluice Valve, dia 80 mm	Nr	1							
	<u>For junction Detail</u>									
TM 1- 98	Double Socket Bend, dia 150 mm x 90°	Nr	1							
TM 1- 99	Socket Tee, dia 150 x 150 mm	Nr	2							
TM 1-100	Socket Tee, dia 300 x 150 mm	Nr	1							
TM 1-101	Socket Reducer, dia 300 x 150 mm	Nr	1							
Total of page BOQ - 241 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-102	Short Plain Pipe(2m), dia 150 mm	Nr	11						
TM 1-103	Flanged Spigot dia 150 mm (PN16)	Nr	4						
TM 1-104	Flanged Adaptor dia 150 mm (PN16)	Nr	4						
TM 1-105	Connection Adaptor (DI/PVC) dia 150 mm (PN16)	Nr	4						
TM 1-106	Collar dia 150 mm	Nr	4						
TM 1-107	Collar dia 300 mm	Nr	1						
TM 1-108	Sluice Valve dia 150 mm (PN16)	Nr	4						
	River Crossing to Asgiriya Reservoir as depicted in Drawing No: 20-C-04								
TM 1-109	Socket & Spigot Pipes, dia 500 mm length 6 m, T Type	m	203						
TM 1-110	Socket & Spigot Pipes, dia 700 mm length 6 m, T Type	m	1,850						
TM 1-111	Socket & Spigot Pipes, dia 800 mm length 6 m, T Type	m	300						
TM 1-112	Double Socket Bend, dia 500 mm x 11 ¹ / ₄ °	Nr	7						
TM 1-113	Double Socket Bend, dia 700 mm x 11 ¹ / ₄ °	Nr	33						
TM 1-114	Double Socket Bend, dia 800 mm x 11 ¹ / ₄ °	Nr	9						
TM 1-115	Double Socket Bend, dia 500 mm x 22 ¹ / ₂ °	Nr	5						
TM 1-116	Double Socket Bend, dia 700 mm x 22 ¹ / ₂ °	Nr	17						
TM 1-117	Double Socket Bend, dia 800 mm x 22 ¹ / ₂ °	Nr	4						
TM 1-118	Double Socket Bend, dia 500 mm x 45°	Nr	3						
TM 1-119	Double Socket Bend, dia 700 mm x 45°	Nr	3						
Total of page BOQ - 242 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-120	Double Socket Bend, dia 800 mm x 45°	Nr	1							
TM 1-121	Restrained Joint (T Type), dia 700 mm	Nr	143							
TM 1-122	Restrained Joint (T Type), dia 800 mm	Nr	29							
TM 1-123	Collar, dia 500 mm	Nr	1							
TM 1-124	Collar, dia 700 mm	Nr	9							
TM 1-125	Collar, dia 800 mm	Nr	2							
	<u>For Air Valve Points</u>									
TM 1-126	Double Socket Tee with Flanged Branch, dia 700x150mm(PN10)	Nr	1							
TM 1-127	Double Socket Tee with Flanged Branch, dia 700x150mm(PN16)	Nr	1							
TM 1-128	Double Socket Tee with Flanged Branch, dia 700x150mm(PN25)	Nr	1							
TM 1-129	Collar, dia 700 mm	Nr	6							
TM 1-130	Double Orifice Air Valve, dia 150 mm (PN 10)	Nr	1							
TM 1-131	Double Orifice Air Valve, dia 150 mm (PN 16)	Nr	1							
TM 1-132	Double Orifice Air Valve, dia 150 mm (PN 25)	Nr	1							
TM 1-133	Ball Valve, dia 150 mm (PN 16)	Nr	3							
	<u>For Culvert/Utility Crossing and Depression Point</u>									
TM 1-134	Double Socket I/Tee with 700x150 Flanged Branch(PN 16)	Nr	1							
TM 1-135	Double Socket I/Tee with 700x150 Flanged Branch(PN 25)	Nr	2							
TM 1-136	Collar, dia 700 mm	Nr	3							
	<u>For Wash Out</u>									
Total of page BOQ - 243 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-137	Flanged Spigot, dia 150 mm (PN 16)	Nr	3						
TM 1-138	Flanged Spigot, dia 150 mm (PN 25)	Nr	6						
TM 1-139	Collar, dia 150 mm	Nr	3						
TM 1-140	Connection Adaptor, dia 150 mm (PN 16)	Nr	1						
TM 1-141	Connection Adaptor, dia 150 mm (PN 25)	Nr	2						
TM 1-142	Sluice Valve, dia 150 mm (PN 16)	Nr	1						
TM 1-143	Sluice Valve, dia 150 mm (PN 25)	Nr	2						
	<u>For junction Detail</u>								
TM 1-144	Socket Tee, dia 600 x 600 mm	Nr	1						
TM 1-145	Socket Tee, dia 700 x 600 mm	Nr	1						
TM 1-146	Socket Reducer, dia 600 x 400 mm	Nr	1						
TM 1-147	Puddle Flanged Plain Pipe (1.5m), dia 400 mm (PN25)	Nr	1						
TM 1-148	Puddle Flanged Plain Pipe (1.5m), dia 600 mm (PN25)	Nr	1						
TM 1-149	Puddle Flanged Plain Pipe (1.5m), dia 700 mm (PN25)	Nr	1						
TM 1-150	Puddle Plain Pipe (1.5m), dia 400 mm	Nr	1						
TM 1-151	Puddle Plain Pipe (1.5m), dia 600 mm	Nr	1						
TM 1-152	Puddle Plain Pipe (1.5m), dia 700 mm	Nr	1						
TM 1-153	Short Plain Pipe(2m), dia 400 mm	Nr	2						
TM 1-154	Short Plain Pipe(2m), dia 600 mm	Nr	3						
TM 1-155	Flanged Adaptor dia 400 mm (PN25)	Nr	1						
Total of page BOQ - 244 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-156	Flanged Adaptor dia 600 mm (PN25)	Nr	1							
TM 1-157	Flanged Adaptor dia 700 mm (PN25)	Nr	1							
TM 1-158	Collar dia 400 mm	Nr	2							
TM 1-159	Collar dia 600 mm	Nr	1							
TM 1-160	Collar dia 700 mm	Nr	3							
TM 1-161	End Cap dia 600 mm	Nr	1							
TM 1-162	Butterfly Valve dia 400 mm (PN25)	Nr	1							
TM 1-163	Butterfly Valve dia 600 mm (PN25)	Nr	1							
TM 1-164	Butterfly Valve dia 700 mm (PN25)	Nr	1							
	Uplands Junction to Uplands Reservoir as depicted in Drawing No: 20-C-05									
TM 1-165	Socket & Spigot Pipes, dia 400 mm length 6 m, T Type	m	2,019							
TM 1-166	Double Socket Bend, dia 400 mm x 11 ¹ / ₄ °	Nr	46							
TM 1-167	Double Socket Bend, dia 400 mm x 22 ¹ / ₂ °	Nr	27							
TM 1-168	Double Socket Bend, dia 400 mm x 45°	Nr	4							
TM 1-169	Double Socket Bend, dia 400 mm x 90°	Nr	2							
TM 1-170	Restrained Joint (T Type), dia 400 mm	Nr	16							
TM 1-171	Collar, dia 400 mm	Nr	10							
	For Valve Points (PN 16)									
Total of page BOQ - 245 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-172	Flanged Spigot Piece, dia 400 mm	Nr	1						
TM 1-173	Flanged Adaptor, dia 400 mm	Nr	1						
TM 1-174	Collar, dia 400 mm	Nr	2						
TM 1-175	Butterfly Valve, dia 400 mm	Nr	1						
	<u>For Air Valve Points</u>								
TM 1-176	Double Socket Tee with Flanged Branch, dia 400x100mm(PN16)	Nr	1						
TM 1-177	Double Socket Tee with Flanged Branch, dia 400x100mm(PN25)	Nr	1						
TM 1-178	Collar, dia 400 mm	Nr	4						
TM 1-179	Double Orifice Air Valve, dia 100 mm (PN 16)	Nr	1						
TM 1-180	Double Orifice Air Valve, dia 100 mm (PN 25)	Nr	1						
TM 1-181	Ball Valve, dia 100 mm (PN 16)	Nr	1						
TM 1-182	Ball Valve, dia 100 mm (PN 25)	Nr	1						
	<u>For Culvert/Utility Crossing and Depression Point (PN 25)</u>								
TM 1-183	Double Socket I/Tee with 400x100 Flanged Branch (PN 16)	Nr	2						
TM 1-184	Double Socket I/Tee with 400x100 Flanged Branch (PN 25)	Nr	1						
TM 1-185	Double Socket Bend, dia 400 mmx45°	Nr	2						
TM 1-186	Collar, dia 400 mm	Nr	5						
Total of page BOQ - 246 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Wash Out</u>								
TM 1-187	Flanged Spigot, dia 100 mm (PN 16)	Nr	6						
TM 1-188	Flanged Spigot, dia 100 mm (PN 25)	Nr	3						
TM 1-189	Collar, dia 100 mm	Nr	3						
TM 1-190	Conection Adaptor, dia 100 mm (PN 16)	Nr	2						
TM 1-191	Conection Adaptor, dia 100 mm (PN 25)	Nr	1						
TM 1-192	Sluice Valve, dia 100 mm (PN 16)	Nr	2						
TM 1-193	Sluice Valve, dia 100 mm (PN 25)	Nr	1						
	<u>For junction Detail</u>								
TM 1-194	Socket Tee, dia 400 x 300 mm	Nr	1						
TM 1-195	Socket Reducer, dia 300 x 250 mm	Nr	1						
TM 1-196	Flanged Spigot dia 250 mm (PN16)	Nr	1						
TM 1-197	Flanged Spigot dia 400 mm (PN16)	Nr	1						
TM 1-198	Puddle Flanged Plain Pipe, dia 250 mm (PN16)	Nr	1						
TM 1-199	Puddle Flanged Plain Pipe, dia 400 mm (PN16)	Nr	1						
TM 1-200	Short Plain Pipe(2m), dia 250 mm	Nr	2						
TM 1-201	Short Plain Pipe(2m), dia 300 mm	Nr	1						
TM 1-202	Short Plain Pipe(2m), dia 400 mm	Nr	2						
TM 1-203	Flanged Adaptor dia 250 mm (PN16)	Nr	1						
TM 1-204	Flanged Adaptor dia 400 mm (PN16)	Nr	1						
Total of page BOQ - 247 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-205	Collar dia 250 mm	Nr	1							
TM 1-206	Collar dia 400 mm	Nr	2							
TM 1-207	End Cap dia 250 mm	Nr	1							
TM 1-208	Butterfly Valve dia 400 mm (PN16)	Nr	1							
TM 1-209	Sluice Valve dia 250 mm (PN16)	Nr	1							
	Asgiriya Pump House to Bahirawakanda Res as depicted in Drawing No : 20 - C - 06									
TM 1-210	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	1,801							
TM 1-211	Socket & Spigot Pipes, dia 500 mm length 6 m, T Type	m	491							
TM 1-212	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ °	Nr	47							
TM 1-213	Double Socket Bend, dia 500 mm x 11 ¹ / ₄ °	Nr	5							
TM 1-214	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ °	Nr	34							
TM 1-215	Double Socket Bend, dia 500 mm x 22 ¹ / ₂ °	Nr	6							
TM 1-216	Double Socket Bend, dia 250 mm x 45°	Nr	6							
TM 1-217	Double Socket Bend, dia 500 mm x 45°	Nr	1							
TM 1-218	Double Socket Bend, dia 250 mm x 90°	Nr	3							
TM 1-219	Restrained Joint (T Type), dia 500 mm	Nr	4							
TM 1-220	Collar, dia 250 mm	Nr	9							
TM 1-221	Collar, dia 500 mm	Nr	2							
	For Valve Points (PN 16)									
TM 1-222	Flanged Spigot Piece, dia 250 mm	Nr	1							
TM 1-223	Flanged Adaptor, dia 250 mm	Nr	1							
TM 1-224	Collar dia 250 mm	Nr	2							
Total of page BOQ - 248 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-225	Sluice Valve dia 250 mm	Nr	1							
	<u>For Air Valve Points</u>									
TM 1-226	Double Socket Tee with Flanged Branch, dia 250x80 mm(PN10)	Nr	1							
TM 1-227	Double Socket Tee with Flanged Branch, dia 250x80 mm(PN16)	Nr	2							
TM 1-228	Collar, dia 250 mm	Nr	3							
TM 1-229	Single Orifice Air Valve, dia 80 mm (PN 10)	Nr	1							
TM 1-230	Single Orifice Air Valve, dia 80 mm (PN 16)	Nr	2							
TM 1-231	Ball Valve, dia 80 mm (PN 10)	Nr	1							
TM 1-232	Ball Valve, dia 80 mm (PN 16)	Nr	2							
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>									
TM 1-233	Double Socket I/Tee with 250x80 Flanged Branch(PN10)	Nr	1							
TM 1-234	Double Socket I/Tee with 250x80 Flanged Branch(PN 16)	Nr	2							
TM 1-235	Double Socket I/Tee with 500x100 Flanged Branch(PN 10)	Nr	2							
TM 1-236	Collar, dia 250 mm	Nr	3							
TM 1-237	Collar, dia 500 mm	Nr	2							
	<u>For Wash Out (PN 16)</u>									
TM 1-238	Flanged Spigot, dia 80 mm	Nr	9							
TM 1-239	Flanged Spigot, dia 100 mm	Nr	6							
TM 1-240	Conection Adaptor, dia 80 mm	Nr	3							
TM 1-241	Conection Adaptor, dia 100 mm	Nr	2							
TM 1-242	Collar, dia 80 mm	Nr	3							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-243	Collar, dia 100 mm	Nr	2						
TM 1-244	Sluice Valve, dia 80 mm	Nr	3						
TM 1-245	Sluice Valve, dia 100 mm	Nr	2						
	<u>For junction Detail</u>								
TM 1-246	Socket Tee, dia 500 x 300 mm	Nr	1						
TM 1-247	Socket Tee, dia 700 x 600 mm	Nr	1						
TM 1-248	Socket Reducer, dia 300 x 250 mm	Nr	1						
TM 1-249	Socket Reducer, dia 600 x 500 mm	Nr	1						
TM 1-250	Socket Reducer, dia 700 x 500 mm	Nr	1						
TM 1-251	Flanged Spigot dia 500 mm (PN10)	Nr	3						
TM 1-252	Double Socket Bend dia 600 mm x 22.5°	Nr	1						
TM 1-253	Double Socket Bend dia 600 mm x 45°	Nr	1						
TM 1-254	Short Plain Pipe(2m), dia 250 mm	Nr	1						
TM 1-255	Short Plain Pipe(2m), dia 300 mm	Nr	1						
TM 1-256	Short Plain Pipe(2m), dia 500 mm	Nr	4						
TM 1-257	Short Plain Pipe(2m), dia 600 mm	Nr	1						
TM 1-258	Short Plain Pipe(2m), dia 700 mm	Nr	2						
TM 1-259	Flanged Adaptor dia 500 mm (PN10)	Nr	3						
TM 1-260	Collar dia 500 mm	Nr	5						
TM 1-261	Collar dia 600 mm	Nr	1						
Total of page BOQ - 250 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-262	Collar dia 700 mm	Nr	1							
TM 1-263	End Cap dia 500 mm	Nr	1							
TM 1-264	Butterfly Valve dia 500 mm (PN10)	Nr	3							
WTP Junction to Katugastota Bridge Junction as depicted in Drawing No:20-C-07										
TM 1-265	Socket & Spigot Pipes, dia 600 mm length 6 m, T Type	m	421							
TM 1-266	Double Socket Bend, dia 600 mm x 11 ¹ / ₄ ⁰	Nr	4							
TM 1-267	Double Socket Bend, dia 600 mm x 22 ¹ / ₂ ⁰	Nr	6							
TM 1-268	Double Socket Bend, dia 600 mm x 45 ⁰	Nr	5							
TM 1-269	Double Socket Bend, dia 600 mm x 90 ⁰	Nr	1							
TM 1-270	Restrained Joint (T Type) dia 600 mm	Nr	50							
TM 1-271	Collar dia 600 mm	Nr	2							
<u>For Air Valve Points (PN 16)</u>										
TM 1-272	Double Socket Tee with Flanged Branch, dia 600x100 mm	Nr	1							
TM 1-273	Collar, dia 600 mm	Nr	2							
TM 1-274	Double Orifice Air Valve, dia 100 mm	Nr	1							
TM 1-275	Ball Valve, dia 100 mm	Nr	1							
<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>										
TM 1-276	Double Socket I/Tee with 600x100 Flanged Branch	Nr	1							
TM 1-277	Collar dia 600 mm	Nr	1							
<u>For Wash Out (PN 16)</u>										
TM 1-278	Flanged Spigot, dia 100 mm	Nr	3							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-279	Collar dia 100 mm	Nr	1						
TM 1-280	Connection Adapter, dia 100 mm	Nr	1						
TM 1-281	Sluice Valve, dia 100 mm	Nr	1						
	<u>For junction Detail (PN 16)</u>								
TM 1-282	Double Socket Tee with Flanged Branch, dia 600 x 600 mm	Nr	1						
TM 1-283	Puddle Flanged Plain Pipe (1.5m), dia 600 mm	Nr	1						
TM 1-284	Puddle Plain Pipe (1.5m), dia 600 mm	Nr	1						
TM 1-285	Flanged Adaptor dia 600 mm	Nr	1						
TM 1-286	Collar dia 600 mm	Nr	2						
TM 1-287	Flanged Plug dia 600 mm	Nr	1						
TM 1-288	Butterfly Valve dia 600 mm	Nr	1						
	Pihilladeniya Junction to Pihilladeniya Reservoir as depicted in Drawing No: 20-C-09								
TM 1-289	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	100						
TM 1-290	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ "	Nr	2						
TM 1-291	Connection Adaptor, dia 200 mm	Nr	1						
TM 1-292	Collar dia 200 mm	Nr	1						
	<u>For Valve Points</u>								
TM 1-293	Flanged Spigot dia 200 mm (PN10)	Nr	1						
TM 1-294	Flanged Adaptor, dia 200 mm (PN10)	Nr	1						
TM 1-295	Connection Adaptor, dia 200 mm (PN10)	Nr	2						
TM 1-296	Collar dia 200 mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-297	Toothed Vain Valve, dia 200 mm (PN10)	Nr	1							
	<u>For Air Valve Points</u>									
TM 1-298	Double Socket Tee with Flanged Branch, dia 200x80 mm(PN10)	Nr	1							
TM 1-299	Connection Adaptor, dia 200 mm (PN10)	Nr	2							
TM 1-300	Collar, dia 200 mm	Nr	1							
TM 1-301	Single Orifice Air Valve, dia 80 mm (PN10)	Nr	1							
TM 1-302	Ball Valve, dia 80 mm (PN10)	Nr	1							
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>									
TM 1-303	Double Socket I/Tee with 200x80 Flanged Branch	Nr	1							
TM 1-304	Collar dia 200 mm	Nr	1							
	<u>For Wash Out</u>									
TM 1-305	Flanged Spigot, dia 80 mm (PN 10)	Nr	1							
TM 1-306	Collar dia 80 mm	Nr	1							
TM 1-307	Conection Adaptor, dia 80 mm	Nr	1							
TM 1-308	Sluice Valve, dia 80 mm	Nr	1							
	Bangalawatta Junction to Bangalawatta Reservoir as depicted in Drawing No: 20-C-10									
TM 1-309	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	1,119							
TM 1-310	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ °	Nr	21							
TM 1-311	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ °	Nr	18							
TM 1-312	Double Socket Bend, dia 250 mm x 45°	Nr	5							
TM 1-313	Double Socket Bend, dia 250 mm x 90°	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-314	Collar dia 250 mm	Nr	5							
	<u>For Air Valve Points (PN 10)</u>									
TM 1-315	Double Socket Tee with Flanged Branch, dia 250x80 mm	Nr	4							
TM 1-316	Collar, dia 250 mm	Nr	4							
TM 1-317	Single Orifice Air Valve, dia 80 mm	Nr	4							
TM 1-318	Ball Valve, dia 80 mm	Nr	4							
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>									
TM 1-319	Double Socket I/Tee with 250x80 Flanged Branch	Nr	4							
TM 1-320	Collar dia 250 mm	Nr	4							
	<u>For Wash Out (PN 10)</u>									
TM 1-321	Flanged Spigot, dia 80 mm	Nr	12							
TM 1-322	Conection Adapor, dia 80 mm	Nr	4							
TM 1-323	Sluice Valve, dia 80 mm	Nr	4							
	Katugastota Junction to Kahawatta Reservoir as depicted in Drawing No: 20-C-11									
TM 1-324	Socket & Spigot Pipes, dia 500 mm length 6 m, T Type	m	3,695							
TM 1-325	Socket & Spigot Pipes, dia 600 mm length 6 m, T Type	m	887							
TM 1-326	Double Socket Bend, dia 500 mm x 11 ¹ / ₄ °	Nr	34							
TM 1-327	Double Socket Bend, dia 600 mm x 11 ¹ / ₄ °	Nr	1							
TM 1-328	Double Socket Bend, dia 500 mm x 22 ¹ / ₂ °	Nr	12							
TM 1-329	Double Socket Bend, dia 500 mm x 45°	Nr	5							
TM 1-330	Restrained Joint (T Type) dia 500 mm	Nr	21							
				Total of page BOQ - 254 to TM 1 Bill Summary						

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-331	Collar, dia 500 mm	Nr	18						
TM 1-332	Collar, dia 600 mm	Nr	4						
	<u>For Air Valve Points (PN 16)</u>								
TM 1-333	Double Socket Tee with Flanged Branch, dia 500x100mm(PN10)	Nr	1						
TM 1-334	Double Socket Tee with Flanged Branch, dia 500x100 mm	Nr	6						
TM 1-335	Double Socket Tee with Flanged Branch, dia 600x100 mm	Nr	2						
TM 1-336	Double Flanged Short Piece(0.25m), dia 100 mm	Nr	14						
TM 1-337	Collar, dia 500 mm	Nr	14						
TM 1-338	Collar, dia 600 mm	Nr	4						
TM 1-339	Double Orifice Air Valve, dia 100 mm(PN10)	Nr	1						
TM 1-340	Double Orifice Air Valve, dia 100 mm	Nr	8						
TM 1-341	Ball Valve, dia 100 mm(PN10)	Nr	1						
TM 1-342	Ball Valve, dia 100 mm	Nr	8						
	<u>For Valve Points (PN 16)</u>								
TM 1-343	Flanged Spigot dia 500 mm	Nr	1						
TM 1-344	Flanged Adaptor dia 500 mm	Nr	5						
TM 1-345	Collar dia 500 mm	Nr	2						
TM 1-346	Butterfly Valve dia 500 mm	Nr	1						
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>								
TM 1-347	Double Socket I/Tee with 500x100 mm Flanged Branch(PN10)	Nr	1						
TM 1-348	Double Socket I/Tee with 500x100 mm Flanged Branch	Nr	7						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-349	Double Socket I/Tee with 600x100 mm Flanged Branch	Nr	2							
TM 1-350	Connection adapter, dia 600 mm	Nr	11							
TM 1-351	Collar dia 500 mm	Nr	8							
TM 1-352	Collar dia 600 mm	Nr	2							
	<u>For Wash Out (PN 16)</u>									
TM 1-353	Flanged Spigot, dia 100 mm(PN10)	Nr	1							
TM 1-354	Flanged Spigot, dia 100 mm	Nr	27							
TM 1-355	Collar, dia 100 mm	Nr	10							
TM 1-356	Conection Adapor, dia 80 mm(PN10)	Nr	1							
TM 1-357	Conection Adapor, dia 80 mm	Nr	9							
TM 1-358	Sluice Valve, dia 100 mm(PN10)	Nr	1							
TM 1-359	Sluice Valve, dia 100 mm	Nr	9							
	<u>For junction Detail</u>									
TM 1-360	Socket Tee, dia 500 x 500 mm	Nr	1							
TM 1-361	Socket Tee, dia 600 x 200 mm	Nr	1							
TM 1-362	Socket Reducer, dia 300 x 200 mm	Nr	1							
TM 1-363	Socket Reducer, dia 500 x 300 mm	Nr	1							
TM 1-364	Socket Reducer, dia 600 x 500 mm	Nr	1							
TM 1-365	Flanged Spigot, dia 200 mm (PN10)	Nr	1							
TM 1-366	Flanged Spigot, dia 200 mm (PN16)	Nr	1							
TM 1-367	Flanged Spigot, dia 500 mm (PN10)	Nr	1							
TM 1-368	Flanged Spigot, dia 500 mm (PN16)	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-369	Short Plain Pipe(2m), dia 200 mm	Nr	5							
TM 1-370	Short Plain Pipe(2m), dia 300 mm	Nr	1							
TM 1-371	Flanged Adaptor dia 200 mm (PN10)	Nr	1							
TM 1-372	Flanged Adaptor dia 200 mm (PN16)	Nr	1							
TM 1-373	Flanged Adaptor dia 500 mm (PN10)	Nr	1							
TM 1-374	Flanged Adaptor dia 500 mm (PN16)	Nr	1							
TM 1-375	Collar dia 200 mm	Nr	3							
TM 1-376	Collar dia 500 mm	Nr	5							
TM 1-377	Collar dia 600 mm	Nr	1							
TM 1-378	Butterfly Valve dia 500 mm (PN10)	Nr	1							
TM 1-379	Butterfly Valve dia 500 mm (PN16)	Nr	1							
TM 1-380	Sluice Valve dia 200 mm (PN10)	Nr	1							
TM 1-381	Sluice Valve dia 200 mm (PN16)	Nr	1							
	Kahalla Junction to Kahalla Reservoir as depicted in Drawings No:20-C-12									
TM 1-382	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	831							
TM 1-383	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ °	Nr	22							
TM 1-384	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	18							
TM 1-385	Double Socket Bend, dia 200 mm x 45°	Nr	4							
TM 1-386	Collar, dia 200 mm	Nr	4							
	<u>For Air Valve Points (PN16)</u>									
TM 1-387	Double Socket Tee with Flanged Branch, dia 200x80 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-388	Collar, dia 200 mm	Nr	2						
TM 1-389	Single Orifice Air Valve, dia 80 mm	Nr	2						
TM 1-390	Ball Valve, dia 80 mm	Nr	2						
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>								
TM 1-391	Double Socket I/Tee with 200x80 Flanged Branch	Nr	2						
TM 1-392	Collar, dia 200 mm	Nr	2						
	<u>For Wash Out (PN 16)</u>								
TM 1-393	Flanged Spigot, dia 80 mm	Nr	6						
TM 1-394	Conection Adaptor, dia 80 mm	Nr	2						
TM 1-395	Sluice Valve, dia 80 mm	Nr	2						
	Kahawatta Reservoir Junction to Akurana Reservoir as depicted in Drawing No: 20-C-13								
TM 1-396	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	1,222						
TM 1-397	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ °	Nr	30						
TM 1-398	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	22						
TM 1-399	Double Socket Bend, dia 200 mm x 45°	Nr	4						
TM 1-400	Double Socket Bend, dia 200 mm x 90°	Nr	1						
TM 1-401	Collar, dia 200 mm	Nr	6						
	<u>For Air Valve Points (PN 10)</u>								
TM 1-402	Double Socket Tee with Flanged Branch, dia 200x80 mm	Nr	4						
TM 1-403	Collar, dia 200 mm	Nr	4						
TM 1-404	Single Orifice Air Valve, dia 80 mm	Nr	4						
TM 1-405	Ball Valve, dia 80 mm	Nr	4						
Total of page BOQ - 258 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>								
TM 1-406	Double Socket I/Tee with 200x80 Flanged Branch	Nr	4						
TM 1-407	Collar, dia 200 mm	Nr	4						
	<u>For Wash Out (PN 16)</u>								
TM 1-408	Flanged Spigot, dia 80 mm	Nr	12						
TM 1-409	Collar, dia 80 mm	Nr	4						
TM 1-410	Connection adapter, dia 80 mm	Nr	4						
TM 1-411	Sluice Valve, dia 80 mm	Nr	4						
	<u>Kahawatta Reservoir to Kurugoda Reservoir as depicted in Drawing No:20-C-14</u>								
TM 1-412	Socket & Spigot Pipes, dia 350 mm length 6 m, T Type	m	3,821						
TM 1-413	Double Socket Bend, dia 350 mm x 11 ¹ / ₄ °	Nr	93						
TM 1-414	Double Socket Bend, dia 350 mm x 22 ¹ / ₂ °	Nr	66						
TM 1-415	Double Socket Bend, dia 350 mm x 45°	Nr	24						
TM 1-416	Double Socket Bend, dia 350 mm x 90°	Nr	1						
TM 1-417	Restrained Joint (T Type) dia 350 mm	Nr	12						
TM 1-418	Collar, dia 350 mm	Nr	19						
	<u>For Air Valve Points</u>								
TM 1-419	Double Socket Tee with Flanged Branch, dia 350x80 mm(PN10)	Nr	2						
TM 1-420	Double Socket Tee with Flanged Branch, dia 350x80 mm(PN16)	Nr	6						
TM 1-421	Collar, dia 350 mm	Nr	16						
TM 1-422	Single Orifice Air Valve, dia 80 mm(PN10)	Nr	6						
TM 1-423	Single Orifice Air Valve, dia 80 mm(PN16)	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>								
TM 1-406	Double Socket I/Tee with 200x80 Flanged Branch	Nr	4						
TM 1-407	Collar, dia 200 mm	Nr	4						
	<u>For Wash Out (PN 16)</u>								
TM 1-408	Flanged Spigot, dia 80 mm	Nr	12						
TM 1-409	Collar, dia 80 mm	Nr	4						
TM 1-410	Connection adapter, dia 80 mm	Nr	4						
TM 1-411	Sluice Valve, dia 80 mm	Nr	4						
	<u>Kahawatta Reservoir to Kurugoda Reservoir as depicted in Drawing No:20-C-14</u>								
TM 1-412	Socket & Spigot Pipes, dia 350 mm length 6 m, T Type	m	3,821						
TM 1-413	Double Socket Bend, dia 350 mm x 11 ¹ / ₄ °	Nr	93						
TM 1-414	Double Socket Bend, dia 350 mm x 22 ¹ / ₂ °	Nr	66						
TM 1-415	Double Socket Bend, dia 350 mm x 45°	Nr	24						
TM 1-416	Double Socket Bend, dia 350 mm x 90°	Nr	1						
TM 1-417	Restrained Joint (T Type) dia 350 mm	Nr	12						
TM 1-418	Collar, dia 350 mm	Nr	19						
	<u>For Air Valve Points</u>								
TM 1-419	Double Socket Tee with Flanged Branch, dia 350x80 mm(PN10)	Nr	2						
TM 1-420	Double Socket Tee with Flanged Branch, dia 350x80 mm(PN16)	Nr	6						
TM 1-421	Collar, dia 350 mm	Nr	16						
TM 1-422	Single Orifice Air Valve, dia 80 mm(PN10)	Nr	6						
TM 1-423	Single Orifice Air Valve, dia 80 mm(PN16)	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-443	Flanged Adaptor dia 350 mm (PN16)	Nr	1						
TM 1-444	Collar dia 250 mm	Nr	3						
TM 1-445	Collar dia 350 mm	Nr	3						
TM 1-446	Butterfly Valve dia 350 mm (PN16)	Nr	1						
TM 1-447	Sluice Valve dia 250 mm (PN16)	Nr	1						
	Thelambugaswatta Jct to Thelambugaswatta Reservoir as depicted in Drawing No: 20-C-15								
TM 1-448	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	910						
TM 1-449	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ "	Nr	11						
TM 1-450	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ "	Nr	7						
TM 1-451	Double Socket Bend, dia 250 mm x 45°	Nr	2						
TM 1-452	Double Socket Bend, dia 250 mm x 90°	Nr	2						
TM 1-453	Collar, dia 250 mm	Nr	2						
	For Air Valve Points (PN 16)								
TM 1-454	Double Socket Tee with Flanged Branch, dia 250x80 mm	Nr	1						
TM 1-455	Collar, dia 250 mm	Nr	1						
TM 1-456	Single Orifice Air Valve, dia 80 mm	Nr	1						
TM 1-457	Ball Valve, dia 80 mm	Nr	1						
	For Culvert/Utility Crossing and Depression Point (PN 16)								
TM 1-458	Double Socket I/Tee with 250x80 Flanged Branch	Nr	2						
TM 1-459	Collar, dia 250 mm	Nr	2						
	For Wash Out (PN 16)								
TM 1-460	Flanged Spigot, dia 80 mm	Nr	2						
TM 1-461	Collar, dia 80 mm	Nr	2						
Total of page BOQ - 261 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-462	Conection Adaptor, dia 80 mm	Nr	2						
TM 1-463	Sluice Valve, dia 80 mm	Nr	2						
	R3 Reservoir Jct to Ampitiya Res as depicted in Drawing No:20-C-16								
TM 1-464	Socket & Spigot Pipes, dia 300 mm length 6 m, T Type	m	1,782						
TM 1-465	Double Socket Bend, dia 300 mm x 11 ¹ / ₄ °	Nr	37						
TM 1-466	Double Socket Bend, dia 300 mm x 22 ¹ / ₂ °	Nr	28						
TM 1-467	Double Socket Bend, dia 300 mm x 45°	Nr	13						
TM 1-468	Double Socket Bend, dia 300 mm x 90°	Nr	1						
TM 1-469	Restrained Joint (T Type), dia 300 mm	Nr	11						
TM 1-470	Collar, dia 300 mm	Nr	8						
	For Air Valve Points (PN 16)								
TM 1-471	Double Socket Tee with Flanged Branch, dia 300x80 mm	Nr	2						
TM 1-472	Collar, dia 300 mm	Nr	2						
TM 1-473	Single Orifice Air Valve, dia 80 mm	Nr	2						
TM 1-474	Ball Valve, dia 80 mm	Nr	2						
	For Culvert/Utility Crossing and Depression Point (PN 16)								
TM 1-475	Double Socket Bend, dia 300 mm x 45°	Nr	2						
TM 1-476	Double Socket I/Tee with 300x80 Flanged Branch	Nr	1						
TM 1-477	Collar, dia 300 mm	Nr	3						
	For Wash Out (PN 16)								
TM 1-478	Flanged Spigot, dia 80 mm	Nr	3						
TM 1-479	Collar, dia 80 mm	Nr	1						
TM 1-480	Conection Adaptor, dia 80 mm	Nr	1						
Total of page BOQ - 262 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-481	Sluice Valve, dia 80 mm For junction Detail	Nr	1						
TM 1-482	Socket Tee, dia 300 x 300 mm	Nr	2						
TM 1-483	Double Socket Bend, dia 300 mm x 45°	Nr	1						
TM 1-484	Flanged Spigot, dia 300 mm (PN16)	Nr	3						
TM 1-485	Flanged Adaptor dia 300 mm (PN16)	Nr	3						
TM 1-486	Collar dia 300 mm	Nr	5						
TM 1-487	End Cap dia 300 mm	Nr	1						
TM 1-488	Sluice Valve dia 300 mm (PN16) Ampitiya Reservoir to Elhena Reservoir as depicted in Drawing No: 20-C-17	Nr	3						
TM 1-489	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	3,095						
TM 1-490	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ °	Nr	51						
TM 1-491	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	45						
TM 1-492	Double Socket Bend, dia 200 mm x 45°	Nr	13						
TM 1-493	Double Socket Bend, dia 200 mm x 90°	Nr	2						
TM 1-494	Connection adapter (PVC/DI), dia 200 mm	Nr	1						
TM 1-495	Collar, dia 200 mm For Air Valve Points	Nr	15						
TM 1-496	Double Socket Tee with Flanged Branch, dia 200x80 mm (PN10)	Nr	1						
TM 1-497	Double Socket Tee with Flanged Branch, dia 200x80 mm (PN16)	Nr	4						
TM 1-498	Collar, dia 200 mm	Nr	8						
TM 1-499	Single Orifice Air Valve, dia 80 mm (PN 10)	Nr	1						
TM 1-500	Single Orifice Air Valve, dia 80 mm (PN 16)	Nr	4						
Total of page BOQ - 263 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-501	Ball Valve, dia 80 mm (PN 10)	Nr	1							
TM 1-502	Ball Valve, dia 80 mm (PN 16)	Nr	4							
	For Valve Points (PN 16)									
TM 1-503	Flanged Spigot, dia 200 mm	Nr	2							
TM 1-504	Flange Adaptor, dia 200 mm	Nr	2							
TM 1-505	Collor, dia 200 mm	Nr	4							
TM 1-506	Sluice valve, dia 200 mm	Nr	2							
	For Culvert/Utility Crossing and Depression Point									
TM 1-507	Double Socket I/Tee with 200x80 Flanged Branch(PN10)	Nr	1							
TM 1-508	Double Socket I/Tee with 200x80 Flanged Branch(PN16)	Nr	5							
TM 1-509	Connection adaptor, dia 200 mm	Nr	2							
TM 1-510	Collar, dia 200 mm	Nr	6							
	For Wash Out (PN 16)									
TM 1-511	Flanged Spigot, dia 80 mm (PN 10)	Nr	3							
TM 1-512	Flanged Spigot, dia 80 mm (PN 16)	Nr	15							
TM 1-513	Collar, dia 80 mm	Nr	6							
TM 1-514	Conection Adaptor, dia 80 mm(PN10)	Nr	1							
TM 1-515	Conection Adaptor, dia 80 mm(PN16)	Nr	5							
TM 1-516	Sluice Valve, dia 80 mm(PN10)	Nr	1							
TM 1-517	Sluice Valve, dia 80 mm(PN16)	Nr	5							
	Ampitiya Reservoir to Mullepihilla Low New Reservoir as depicted in Drawing No: 20-C-18									
TM 1-518	Socket & Spigot Pipes, dia 150 mm length 6 m, T Type	m	1,892							
TM 1-519	Double Socket Bend, dia 150 mm x 11 ¹ / ₄ "	Nr	42							
Total of page BOQ - 264 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-520	Double Socket Bend, dia 150 mm x 22 ¹ / ₂ °	Nr	25							
TM 1-521	Double Socket Bend, dia 150 mm x 45°	Nr	15							
TM 1-522	Double Socket Bend, dia 150 mm x 90°	Nr	1							
TM 1-523	Collar, dia 150 mm	Nr	9							
	<u>For Air Valve Points (PN 25)</u>									
TM 1-524	Double Socket Tee with Flanged Branch, dia 150x80 mm	Nr	1							
TM 1-525	Collar, dia 150 mm	Nr	1							
TM 1-526	Single Orifice Air Valve, dia 80 mm	Nr	1							
TM 1-527	Ball Valve, dia 80 mm	Nr	1							
	<u>For Culvert/Utility Crossing and Depression Point (PN 25)</u>									
TM 1-528	Double Socket I/Tee with 150x80 mm Flanged Branch	Nr	1							
TM 1-529	Collar, dia 150 mm	Nr	1							
	<u>For Wash Out (PN 25)</u>									
TM 1-530	Flanged Spigot, dia 80 mm	Nr	3							
TM 1-531	Collar, dia 80 mm	Nr	1							
TM 1-532	Conection Adaptor, dia 80 mm	Nr	1							
TM 1-533	Sluice Valve, dia 80 mm	Nr	1							
	Mullepihilla New Res to Mullepihilla P.H. as depicted in Drawing No: 20-C-19									
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
TM 1-534	Double Socket I/Tee with 150x80 mm Flanged Branch	Nr	1							
TM 1-535	Double Socket Bend, dia 150 mm x 45°	Nr	2							
TM 1-536	Conection Adaptor, dia 150 mm	Nr	2							
TM 1-537	Collar, dia 150 mm	Nr	3							
Total of page BOQ - 265 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Wash Out (PN 10)</u>								
TM 1-538	Flanged Spigot, dia 80 mm	Nr	6						
TM 1-539	Collar, dia 80 mm	Nr	2						
TM 1-540	Conection Adaptor, dia 80 mm	Nr	2						
TM 1-541	Sluice Valve, dia 80 mm	Nr	2						
	<u>For junction Detail</u>								
TM 1-542	Flanged Spigot, dia 80 mm (PN10)	Nr	1						
TM 1-543	Flanged Spigot, dia 100 mm (PN10)	Nr	6						
TM 1-544	Short Plain Pipe (2.0 m), dia 80 mm	Nr	3						
TM 1-545	Flanged Adaptor dia 80 mm (PN10)	Nr	3						
TM 1-546	Flanged Adaptor dia 100 mm (PN10)	Nr	1						
TM 1-547	Connection Adaptor (DI/PVC) dia 80 mm (PN10)	Nr	4						
TM 1-548	Connection Adaptor (GI/PVC) dia 100 mm (PN10)	Nr	7						
TM 1-549	Collar dia 100 mm	Nr	1						
TM 1-550	Sluice Valve dia 80 mm (PN10)	Nr	1						
TM 1-551	Sluice Valve dia 100 mm (PN10)	Nr	2						
TM 1-552	Flow Meter dia 40 mm, 6.5m ³ /h	Nr	1						
	Heerassagala Jct. To Heerassagala Low Res. as depicted in Drawing No: 20-C-20								
TM 1-553	Socket & Spigot Pipes, dia 350 mm length 6 m, T Type	m	1,001						
TM 1-554	Double Socket Bend, dia 350 mm x 11 ¹ / ₄ °	Nr	35						
TM 1-555	Double Socket Bend, dia 350 mm x 22 ¹ / ₂ °	Nr	18						
TM 1-556	Double Socket Bend, dia 350 mm x 45°	Nr	15						
TM 1-557	Collar, dia 350 mm	Nr	5						
Total of page BOQ - 266 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Air Valve Points (PN 16)</u>								
TM 1-558	Double Socket Tee with Flanged Branch, dia 350x100 mm	Nr	1						
TM 1-559	Collar, dia 350 mm	Nr	1						
TM 1-560	Double Orifice Air Valve, dia 100 mm	Nr	1						
TM 1-561	Ball Valve, dia 100 mm	Nr	1						
	<u>For Culvert/Utility Crossing and Depression Point (PN 16)</u>								
TM 1-562	Double Socket I/Tee with 350x100 Flanged Branch	Nr	3						
TM 1-563	Collar, dia 350 mm	Nr	1						
	<u>For Wash Out (PN 16)</u>								
TM 1-564	Flanged Spigot, dia 100 mm	Nr	3						
TM 1-565	Collar, dia 350 mm	Nr	1						
TM 1-566	Connection adapter, dia 100 mm	Nr	1						
TM 1-567	Sluice Valve, dia 100 mm	Nr	1						
	<u>For junction Detail</u>								
TM 1-568	Socket Tee, dia 500 x 400 mm	Nr	1						
TM 1-569	Socket Reducer, dia 400 x 350 mm	Nr	1						
TM 1-570	Flanged Spigot, dia 350 mm (PN16)	Nr	1						
TM 1-571	Flanged Spigot, dia 500 mm (PN16)	Nr	1						
TM 1-572	Short Plain Pipe(2m), dia 400 mm	Nr	1						
TM 1-573	Short Plain Pipe(2m), dia 500 mm	Nr	3						
TM 1-574	Flanged Adaptor dia 350 mm (PN16)	Nr	1						
TM 1-575	Flanged Adaptor dia 500 mm (PN16)	Nr	1						
TM 1-576	Collar dia 350 mm	Nr	2						
Total of page BOQ - 267 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-577	Collar dia 500 mm	Nr	3							
TM 1-578	Butterfly Valve dia 350 mm (PN16)	Nr	1							
TM 1-579	Butterfly Valve dia 500 mm (PN16)	Nr	1							
	Heerassagala Low Reservoir to Heerassagala Middle Res. as depicyed in Drawing No: 20-C-21									
TM 1-580	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	628							
TM 1-581	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ °	Nr	29							
TM 1-582	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	9							
TM 1-583	Double Socket Bend, dia 200 mm x 45°	Nr	7							
TM 1-584	Collar, dia 200 mm	Nr	3							
	For Air Valve Points (PN 10)									
TM 1-585	Double Socket Tee with Flanged Branch, dia 200x80 mm	Nr	1							
TM 1-586	Collar, dia 200 mm	Nr	1							
TM 1-587	Connection adapter, dia 200 mm	Nr	2							
TM 1-588	Single Orifice Air Valve, dia 80 mm	Nr	1							
TM 1-589	Ball Valve, dia 80 mm	Nr	1							
	For Culvert/Utility Crossing and Depression Point (PN 10)									
TM 1-590	Double Socket I/Tee with 200x80 mm Flanged Branch(PN10)	Nr	1							
TM 1-591	Double Socket I/Tee with 200x80 mm Flanged Branch(PN16)	Nr	1							
TM 1-592	Connection adapter, dia 200 mm(PN10)	Nr	1							
TM 1-593	Connection adapter, dia 200 mm(PN16)	Nr	1							
TM 1-594	Collar, dia 200 mm	Nr	2							
	For Wash Out									
TM 1-595	Flanged Spigot, dia 80 mm (PN 10)	Nr	3							
Total of page BOQ - 268 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-596	Flanged Spigot, dia 80 mm (PN 16)	Nr	3							
TM 1-597	Collar, dia 80 mm	Nr	2							
TM 1-598	Connection adapter, dia 80 mm(PN10)	Nr	1							
TM 1-599	Connection adapter, dia 80 mm(PN16)	Nr	1							
TM 1-600	Sluice Valve, dia 80 mm (PN10)	Nr	1							
TM 1-601	Sluice Valve, dia 80 mm (PN16)	Nr	1							
	Heerassagala Middle Res. to Heerassagala Upper Res as depicted in Drawing No : 20 - C - 22									
TM 1-602	Socket & Spigot Pipes, dia 150 mm length 6 m, T Type	m	80							
TM 1-603	Double Socket Bend, dia 150 mm x 11 ¹ / ₄ "	Nr	3							
TM 1-604	Double Socket Bend, dia 150 mm x 45°	Nr	2							
TM 1-605	Double Socket Bend, dia 150 mm x 90°	Nr	1							
	For Air Valve Points (PN 16)									
TM 1-606	Double Socket Tee with Flanged Branch, dia 150x80 mm	Nr	1							
TM 1-607	Collar, dia 150 mm	Nr	1							
TM 1-608	Connection adapter, dia 150 mm	Nr	2							
TM 1-609	Single Orifice Air Valve, dia 80 mm	Nr	1							
TM 1-610	Ball Valve, dia 80 mm	Nr	1							
	For Culvert/Utility Crossing and Depression Point									
TM 1-611	Double Socket I/Tee with 150x80 Flanged Branch(PN10)	Nr	1							
TM 1-612	Double Socket I/Tee with 150x80 Flanged Branch(PN16)	Nr	1							
TM 1-613	Connection adapter, dia 150 mm	Nr	2							
TM 1-614	Collar, dia 150 mm	Nr	2							
	For Wash Out (PN 16)									
Total of page BOQ - 269 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-615	Flanged Spigot, dia 80 mm (PN10)	Nr	3						
TM 1-616	Flanged Spigot, dia 80 mm (PN16)	Nr	3						
TM 1-617	Connection adapter, dia 80 mm	Nr	2						
TM 1-618	Collar, dia 150 mm	Nr	2						
TM 1-619	Sluice Valve, dia 80 mm (PN10)	Nr	1						
TM 1-620	Sluice Valve, dia 80 mm (PN16)	Nr	1						
	R2 (KMC) to Hantana Place as depicted in Drawing No: 20-C-23								
TM 1-621	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	815						
TM 1-622	Double Socket Bend, dia 200 mm x 11 ¹ / ₄ °	Nr	26						
TM 1-623	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ °	Nr	18						
TM 1-624	Double Socket Bend, dia 200 mm x 45°	Nr	9						
TM 1-625	Double Socket Bend, dia 200 mm x 90°	Nr	1						
TM 1-626	Collar, dia 200 mm	Nr	2						
	For Air Valve Points (PN 16)								
TM 1-627	Double Socket Tee with Flanged Branch, dia 200x80 mm	Nr	1						
TM 1-628	Collar, dia 200 mm	Nr	1						
TM 1-629	Single Orifice Air Valve, dia 80 mm	Nr	1						
TM 1-630	Ball Valve, dia 80 mm	Nr	1						
	For Culvert/Utility Crossing and Depression Point (PN 16)								
TM 1-631	Double Socket I/Tee with 200x80 mm Flanged Branch	Nr	1						
TM 1-632	Collar, dia 200 mm	Nr	1						
	For Wash Out (PN 16)								
TM 1-633	Flanged Spigot, dia 80 mm	Nr	3						
Total of page BOQ - 270 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-634	Conection Adaptor, dia 80 mm	Nr	1							
TM 1-635	Sluice Valve, dia 80 mm	Nr	1							
	<u>Extra over for bridge crossing</u>									
	<u>For Pipe Bridge Across Mahaweli River (PN 25)</u>									
TM 1-636	Socket & Spigot Pipes, dia 800 mm length 6 m, T Type	m	216							
TM 1-637	Double Socket Tee with Flange, dia 800x150 mm	Nr	1							
TM 1-638	Double Socket Tee with Flange, dia 800x400 mm	Nr	2							
TM 1-639	Double Socket Tee with Flange, dia 800x600 mm	Nr	1							
TM 1-640	Double Socket I/Tee with Flange Branch dia 800x150 mm	Nr	2							
TM 1-641	Double Socket Taper dia 800x700 mm	Nr	1							
TM 1-642	Double Socket Bend dia 800 mm x 11 1/4°	Nr	1							
TM 1-643	Double Socket Bend dia 800 mm x 45°	Nr	1							
TM 1-644	Double Socket Bend dia 800 mm x 90°	Nr	1							
TM 1-645	Double Flanged Bend dia 400 mm x 90°	Nr	4							
TM 1-646	Double Flanged Bend dia 800 mm x 90°	Nr	4							
TM 1-647	Double Flanged Pipe, dia 400 mm, length 5300 mm	Nr	2							
TM 1-648	Double Flanged Pipe, dia 800 mm, length 5300 mm	Nr	2							
TM 1-649	Flanged Spigot, dia 150 mm	Nr	6							
TM 1-650	Flanged Spigot, dia 400 mm	Nr	4							
TM 1-651	Flanged Spigot, dia 800 mm	Nr	4							
TM 1-652	Puddle Flanged Plain Pipe (2.0m), dia 800 mm	Nr	2							
TM 1-653	Plain Short Piece (1.0m) dia 400 mm	Nr	1							
TM 1-654	Plain Short Piece (1.5m) dia 700 mm	Nr	1							
Total of page BOQ - 271 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-655	Plain End Piece with paddle, dia 800 mm, length 1500 mm	Nr	2						
TM 1-656	End Cap, dia 400 mm	Nr	4						
TM 1-657	Flange Adaptor dia 800 mm	Nr	2						
TM 1-658	Collar dia 150 mm	Nr	2						
TM 1-659	Collar dia 400 mm	Nr	4						
TM 1-660	Collar dia 800 mm	Nr	10						
TM 1-661	Conevton Adaptor (PVC/DI), dia 150 mm	Nr	2						
TM 1-662	Butterfly Valve dia 800 mm	Nr	2						
TM 1-663	Sluice Valve, dia 150 mm	Nr	2						
TM 1-664	Double Orifice Air Valve dia 150 mm	Nr	1						
TM 1-665	Ball Valve dia 150 mm	Nr	1						
TM 1-666	Flanged Plag, dia 400 mm	Nr	1						
TM 1-667	Flanged Plag, dia 600 mm	Nr	1						
	<u>For Pipe Bridge Across River (PN 10)</u>								
TM 1-668	Flanged Tee dia 200 x 80 mm	Nr	1						
TM 1-669	Double Socket Bends dia 200 mm x 45 ⁰	Nr	4						
TM 1-670	Collar, dia 200 mm	Nr	3						
TM 1-671	Single Orifice Air Valve dia 80 mm	Nr	1						
TM 1-672	Ball Valve dia 80 mm	Nr	1						
	<u>For Pipe Bridge Across River (PN 16)</u>								
TM 1-673	Double Flanged Tee dia 200 x 80 mm	Nr	1						
TM 1-674	Double Flanged Tee dia 300 x 100 mm	Nr	1						
TM 1-675	Flanged Tee dia 500 x 100 mm	Nr	1						
Total of page BOQ - 272 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-676	Double Socket Tee with Flanged Branch, dia 250x80 mm	Nr	1						
TM 1-677	Double Socket Tee with Flanged Branch, dia 350x100 mm	Nr	2						
TM 1-678	Double Socket Tee with Flanged Branch, dia 500x100 mm	Nr	1						
TM 1-679	Double Socket Tee with Flanged Branch, dia 600x100 mm	Nr	1						
TM 1-680	Double Socket Bends dia 250 mm x 45 ⁰	Nr	4						
TM 1-681	Double Socket Bends dia 350 mm x 45 ⁰	Nr	8						
TM 1-682	Double Socket Bends dia 500 mm x 45 ⁰	Nr	4						
TM 1-683	Double Socket Bends dia 600 mm x 45 ⁰	Nr	4						
TM 1-684	Double Flanged Bends dia 300 mm x 45 ⁰	Nr	8						
TM 1-685	Double Flanged Bends dia 500 mm x 45 ⁰	Nr	4						
TM 1-686	Double Flanged pipe (0.5m) dia 200 mm	Nr	16						
TM 1-687	Double Flanged pipe (0.5m) dia 300 mm	Nr	4						
TM 1-688	Double Flanged pipe (0.5m) dia 350 mm	Nr	3						
TM 1-689	Double Flanged pipe (0.5m) dia 500 mm	Nr	4						
TM 1-690	Double Flanged pipe (1.5m) dia 200 mm	Nr	5						
TM 1-691	Double Flanged pipe (1.5m) dia 300 mm	Nr	2						
TM 1-692	Double Flanged pipe (1.5m) dia 350 mm	Nr	1						
TM 1-693	Double Flanged pipe (1.5m) dia 500 mm	Nr	2						
TM 1-694	Double Flanged pipe (2m) dia 200 mm	Nr	1						
TM 1-695	Double Flanged pipe (2m) dia 500 mm	Nr	1						
TM 1-696	Double Flanged pipe (3m) dia 200 mm	Nr	3						
TM 1-697	Double Flanged pipe (3m) dia 500 mm	Nr	1						
TM 1-698	Double Flanged pipe (4m) dia 200 mm	Nr	4						
Total of page BOQ - 273 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
TM 1-699	Double Flanged pipe (4m) dia 300 mm	Nr	2							
TM 1-700	Double Flanged pipe (4m) dia 350 mm	Nr	2							
TM 1-701	Double Flanged pipe (4m) dia 500 mm	Nr	3							
TM 1-702	Flanged Spigot pipe dia 200 mm	Nr	10							
TM 1-703	Flanged Spigot pipe dia 300 mm	Nr	4							
TM 1-704	Flanged Spigot pipe dia 500 mm	Nr	2							
TM 1-705	Collar dia 250 mm	Nr	3							
TM 1-706	Collar dia 300 mm	Nr	4							
TM 1-707	Collar dia 350 mm	Nr	11							
TM 1-708	Collar dia 500 mm	Nr	7							
TM 1-709	Collar dia 600 mm	Nr	6							
TM 1-710	Single Orifice Air Valve dia 80 mm	Nr	3							
TM 1-711	Double Orifice Air Valve dia 100 mm	Nr	5							
TM 1-712	Ball Valve dia 80 mm	Nr	3							
TM 1-713	Ball Valve dia 100 mm	Nr	5							
	<u>For Pipe Bridge Across River (PN 25)</u>									
TM 1-714	Double Flanged pipe (4m) dia 150 mm	Nr	1							
TM 1-715	Double Flanged pipe (4m) dia 400 mm	Nr	2							
TM 1-716	Double Flanged Short Piece (0.5m) dia 150 mm	Nr	3							
TM 1-717	Double Flanged Short Piece (0.5m) dia 400 mm	Nr	3							
TM 1-718	Double Flanged Short Piece (1.5m) dia 400 mm	Nr	1							
TM 1-719	Double Flanged Short Piece (3.0m) dia 150 mm	Nr	1							
TM 1-720	Flanged Spigot pipe dia 150 mm	Nr	2							
Total of page BOQ - 274 to TM 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 1: Supply of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1-721	Flanged Spigot pipe dia 400 mm	Nr	2						
TM 1-722	Collar dia 400 mm	Nr	2						
Total of page BOQ - 275 to TM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 2: Supply of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Supply and Delivery at site all PVC/GI pipes and fittings including rubber rings, jointing materials and all other associated materials required for complete installation</p> <p>All PVC pipes and fittings shall be with rubber ring joints unless specified</p> <p>All PVC pipes & fittings shall be Type 1000</p>						
TM 2 - 1	<p>Pihilladeniya Junction to Pihilladeniya Reservoir as depicted in Drawing No: 20-C-09</p> <p>225 mm dia</p>	m	491				
TM 2 - 2	<p>Ampitiya Reservoir to Elhena Reservoir as depicted in Drawing No: 20-C-17</p> <p>225 mm dia</p>	m	821				
TM 2 - 3	<p>Mullepihilla New Res to Mullepihilla P.H. as depicted in Drawing No: 20-C-19</p> <p>90 mm dia</p>	m	148				
TM 2 - 4	160 mm dia	m	86				
TM 2 - 5	Short Plain Pipe(2m) dia 50 mm (GI)	m	4				
TM 2 - 6	Short Plain Pipe(2m) dia 100 mm (GI)	m	4				
TM 2 - 7	Reducer dia 50 x 40 mm (GI)	Nr	2				
TM 2 - 8	Reducer dia 100 x 50 mm (GI)	Nr	2				
Total of page BOQ - 276 to TM 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 2: Supply of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 2 - 9	Heerassagala Low Reservoir to Heerassagala Middle Res. as depicted in Drawing No: 20-C-21 225 mm dia	m	635				
TM 2 -10	Heerassagala Middle Res. to Heerassagala Upper Res as depicted in Drawing No : 20 - C - 22 160 mm dia	m	680				
TM 2 -11	Wash out for Transmission Pipelines 90 mm dia	m	210				
TM 2 -12	110 mm dia	m	210				
TM 2 -13	160 mm dia	m	20				
Total of page BOQ - 277 to TM 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench DI Pipes Specials & Fittings as Specified</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves as depicted in drawings.</p> <p>Excavation and back filling of pipe trenches with approved soil or river sand. Trench width & depth is given separately as depicted in drawings.</p> <p>Transmission Main (20-C-01: Katugastota WTP - WTP Jct.)</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
TM 3 - 1	600 mm dia	m	177				
TM 3 - 2	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3 - 3	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<p><u>Extra over Items for Culvert Crossings in Transmission Main</u></p> <p>Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.</p>						
TM 3 - 4	Type 'A'	Nr	1				
	<p><u>Extra over Items for Thrust block in Transmission Main</u></p>						
TM 3 - 5	Horizontal Bend (dia 600 - 700 mm)	Nr	8				
Total of page BOQ - 278 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
TM 3 - 6	Road reinstatement (Temporary)	m ²	198				
TM 3 - 7	Demolition of existing asphalt road surface	m ³	19				
TM 3 - 8	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3 - 9	600 mm dia	m	177				
	Transmission Main (20-C-02 :Katugastota WTP -Gohagoda (Pallemulla) S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3- 10	200 mm dia	m	1,785				
TM 3- 11	250 mm dia	m	793				
TM 3- 12	350 mm dia	m	487				
TM 3- 13	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3- 14	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	6				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3- 15	Type 'B'	Nr	7				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
Total of page BOQ - 279 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 16	Horizontal Bend (dia 160-200 mm)	Nr	36				
TM 3- 17	Horizontal Bend (dia 225-250 mm)	Nr	12				
TM 3- 18	Horizontal Bend (dia 300-350 mm)	Nr	15				
TM 3- 19	Vertical Bend (dia 300-350 mm)	Nr	1				
TM 3- 20	Tee (dia 160-200 mm)	Nr	2				
TM 3- 21	Tee (dia 225-250 mm)	Nr	1				
TM 3- 22	Tee (dia 300-350 mm)	Nr	1				
TM 3- 23	Taper (dia 160-200 mm)	Nr	1				
TM 3- 24	Taper (dia 225-250 mm)	Nr	1				
TM 3- 25	Taper (dia 300-350 mm)	Nr	1				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3- 26	Wash out	Nr	7				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
TM 3- 27	Air valve (single orifice)	Nr	5				
TM 3- 28	Air valve (double orifice)	Nr	2				
	<u>Miscellaneous</u>						
Total of page BOQ - 280 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 29	Road reinstatement (Temporary)	m ²	2,491				
TM 3- 30	Demolition of existing asphalt road surface	m ³	249				
TM 3- 31	Excavation in rock including disposal of excavated material (Provisional).	m ³	27				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3- 32	200 mm dia	m	1,785				
TM 3- 33	250 mm dia	m	793				
TM 3- 34	350 mm dia	m	487				
	Transmission Main (20-C-03 :Kondadeniya Jct. -Kondadeniya - Gohagoda Rd. Pt.)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3- 35	300 mm dia	m	890				
TM 3- 36	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3- 37	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3- 38	Type 'B'	Nr	2				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
Total of page BOQ - 281 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 39	Rate to Truss/Beam Bridge for additional excavation, additional shoring, cofferdam, forming embankment, rubble pitching, sheet pile setting, piles, setting of DI pipe and fittings where necessary, making good of any damage to the existing structures, road or embankment Type PB-1 Extra over Items for Thrust block in Transmission Main	Nr	1				
TM 3- 40	Horizontal Bend (dia 90-150 mm)	Nr	1				
TM 3- 41	Horizontal Bend (dia 300-350 mm)	Nr	39				
TM 3- 42	Vertical Bend (dia 300-350 mm)	Nr	1				
TM 3- 43	Tee (dia 90-150 mm)	Nr	2				
TM 3- 44	Tee (dia 300-350 mm)	Nr	1				
TM 3- 45	Taper (dia 300-350 mm) Extra over Items for Wash out in Transmission Main	Nr	1				
TM 3- 46	Wash out Extra over Items for Valve chamber in Transmission Main	Nr	1				
TM 3- 47	Air valve (single orifice) Extra over Items Concrete for slope sliding in Transmission Main	Nr	1				
TM 3- 48	Type A1 Miscellaneous	Nr	15				
TM 3- 49	Road reinstatement (Temporary)	m ²	723				
Total of page BOQ - 282 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 50	Demolition of existing asphalt road surface	m ³	72				
TM 3- 51	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3- 52	300 mm dia Transmission Main (20-C-04: WTP Jct. - Asgiriya S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	890				
TM 3- 53	500 mm dia	m	203				
TM 3- 54	700 mm dia	m	1,850				
TM 3- 55	800 mm dia	m	300				
TM 3- 56	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3- 57	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	4				
TM 3- 58	Type 'B' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	5				
TM 3- 59	Mahawelli River Crossing Bridge (L = 126 m) <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3- 60	Horizontal Bend (dia 400-500 mm)	Nr	14				
Total of page BOQ - 283 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 61	Horizontal Bend (dia 600-700 mm)	Nr	51				
TM 3- 62	Vertical Bend (dia 400-500 mm)	Nr	2				
TM 3- 63	Tee (dia 600-700 mm)	Nr	2				
TM 3- 64	Taper (dia 600-700 mm)	Nr	1				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3- 65	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3- 66	Air valve (double orifice)	Nr	2				
TM 3- 67	Butterfly valve	Nr	5				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 3- 68	Type A2	Nr	8				
	<u>Miscellaneous</u>						
TM 3- 69	Road reinstatement (Temporary)	m ²	3,092				
TM 3- 70	Demolition of existing asphalt road surface	m ³	309				
TM 3- 71	Excavation in rock including disposal of excavated material (Provisional).	m ³	20				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3- 72	500 mm dia	m	203				
TM 3- 73	700 mm dia	m	1,850				
Total of page BOQ - 284 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 74	800 mm dia Transmission Main (20-C-05: Uplands Jct. -Uplands S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	300				
TM 3- 75	400 mm dia	m	2,019				
TM 3- 76	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3- 77	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	4				
TM 3- 78	Type 'B' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	6				
TM 3- 79	Type PB-2 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3- 80	Horizontal Bend (dia 400-500 mm)	Nr	75				
TM 3- 81	Vertical Bend (dia 400-500 mm)	Nr	6				
TM 3- 82	Tee (dia 400-500 mm)	Nr	1				
TM 3- 83	Taper (dia 400-500 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	1				
TM 3- 84	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	3				
Total of page BOQ - 285 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 85	Air valve (double orifice)	Nr	2				
TM 3- 86	Sluice valve	Nr	1				
TM 3- 87	Butterfly valve	Nr	2				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 3- 88	Type A1 <u>Miscellaneous</u>	Nr	7				
TM 3- 89	Road reinstatement (Temporary)	m ²	1,823				
TM 3- 90	Demolition of existing asphalt road surface	m ³	182				
TM 3- 91	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	18				
TM 3- 92	400 mm dia Transmission Main (20-C-06: Asgiriya Jct. -Bahirawakanda S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	2,019				
TM 3- 93	250 mm dia	m	1,801				
TM 3- 94	500 mm dia	m	491				
TM 3- 95	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
Total of page BOQ - 286 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3- 96	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	4				
TM 3- 97	Type 'B' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	3				
TM 3- 98	Type PB-3 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3- 99	Horizontal Bend (dia 225-250 mm)	Nr	86				
TM 3-100	Horizontal Bend (dia 400-500 mm)	Nr	14				
TM 3-101	Vertical Bend (dia 225-250 mm)	Nr	5				
TM 3-102	Tee (dia 400-500 mm)	Nr	2				
TM 3-103	Taper (dia 400-500 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	3				
TM 3-104	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	5				
TM 3-105	Air valve (single orifice)	Nr	3				
TM 3-106	Sluice valve	Nr	1				
TM 3-107	Butterfly valve <u>Extra over Items Concrete for slope sliding in Transmission Main</u>	Nr	1				
Total of page BOQ - 287 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-108	Type A1 Miscellaneous	Nr	14				
TM 3-109	Road reinstatement (Temporary)	m ²	1,939				
TM 3-110	Demolition of existing asphalt road surface	m ³	193				
TM 3-111	Excavation in rock including disposal of excavated material (Provisional). Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.	m ³	20				
TM 3-112	250 mm dia	m	1,892				
TM 3-113	500 mm dia Transmission Main (20-C-07: WTP Jct. - Katugastota Brd. Jct.) Depth to invert of pipes not exceeding 2.0 m	m	399				
TM 3-114	600 mm dia	m	421				
TM 3-115	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-116	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition Extra over Items for River Crossings in Transmission Main	Nr	1				
TM 3-117	Pingaoya Bridge (L = 47 m)	Nr	1				
Total of page BOQ - 288 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-118	Type PB-4 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3-119	Horizontal Bend (dia 600-700 mm)	Nr	10				
TM 3-120	Tee (dia 600-700 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	1				
TM 3-121	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	2				
TM 3-122	Air valve (double orifice)	Nr	1				
TM 3-123	Butterfly valve <u>Miscellaneous</u>	Nr	1				
TM 3-124	Road reinstatement (Temporary)	m ²	471				
TM 3-125	Demolition of existing asphalt road surface	m ³	47				
TM 3-126	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	3				
TM 3-127	600 mm dia Transmission Main (20-C-09: Pihilladeniya Jct. - Pihilladeniya S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	421				
Total of page BOQ - 289 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-128	200 mm dia	m	100				
TM 3-129	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-130	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-131	Type 'B'	Nr	1				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
TM 3-132	Type PB-7	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-133	Horizontal Bend (dia 160-200 mm)	Nr	1				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-134	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-135	Butterfly valve	Nr	1				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 3-136	Type A1	Nr	16				
	<u>Miscellaneous</u>						
TM 3-137	Road reinstatement (Temporary)	m ²	333				
Total of page BOQ - 290 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-138	Demolition of existing asphalt road surface	m ³	33				
TM 3-139	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-140	200 mm dia Transmission Main (20-C-10: Bangalawatta Jct. -Bangalawatta S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	410				
TM 3-141	250 mm dia	m	1,119				
TM 3-142	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-143	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	2				
TM 3-144	Type 'B' <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	3				
TM 3-145	Horizontal Bend (dia 225-250 mm)	Nr	44				
TM 3-146	Vertical Bend (dia 225-250 mm)	Nr	1				
Total of page BOQ - 291 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-147	Wash out	Nr	4				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-148	Air valve (single orifice)	Nr	4				
	<u>Miscellaneous</u>						
TM 3-149	Road reinstatement (Temporary)	m ²	909				
TM 3-150	Demolition of existing asphalt road surface	m ³	90				
TM 3-151	Excavation in rock including disposal of excavated material (Provisional).	m ³	9				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-152	250 mm dia Transmission Main (20-C-11: Katugastota Brd. Jct. - Kahawatta S.R & P.S Jct.) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,119				
TM 3-153	500 mm dia	m	3,695				
TM 3-154	600 mm dia	m	887				
TM 3-155	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-156	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
Total of page BOQ - 292 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-157	Type 'B'	Nr	21				
TM 3-158	Type 'E'	Nr	3				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
TM 3-159	Type PB-1	Nr	1				
TM 3-160	Type PB-5	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-161	Horizontal Bend (dia 400-500 mm)	Nr	66				
TM 3-162	Horizontal Bend (dia 600-700 mm)	Nr	1				
TM 3-163	Tee (dia 400-500 mm)	Nr	1				
TM 3-164	Tee (dia 600-700 mm)	Nr	1				
TM 3-165	Taper (dia 300-350 mm)	Nr	1				
TM 3-166	Taper (dia 600-700 mm)	Nr	1				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-167	Wash out	Nr	7				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-168	Air valve (double orifice)	Nr	7				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-169	Sluice valve	Nr	2				
TM 3-170	Butterfly valve	Nr	3				
	<u>Miscellaneous</u>						
TM 3-171	Road reinstatement (Temporary)	m ²	4,733				
TM 3-172	Demolition of existing asphalt road surface	m ³	473				
TM 3-173	Excavation in rock including disposal of excavated material (Provisional).	m ³	40				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-174	500 mm dia	m	3,695				
TM 3-175	600 mm dia	m	887				
	Transmission Main (20-C-12: Kahalla Jct. - Kahalla S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-176	200 mm dia	m	831				
TM 3-177	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-178	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-179	Type 'B'	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-180	Horizontal Bend (dia 160-200 mm)	Nr	42				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-181	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-182	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
TM 3-183	Road reinstatement (Temporary)	m ²	676				
TM 3-184	Demolition of existing asphalt road surface	m ³	67				
TM 3-185	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-186	200 mm dia Transmission Main (20-C-13: Kahawatta S.R & P.S Jct. - Akurana S.R)	m	831				
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-187	200 mm dia	m	1,222				
TM 3-188	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-189	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	2				
TM 3-190	Type 'B' <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	4				
TM 3-191	Horizontal Bend (dia 160-200 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	57				
TM 3-192	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	4				
TM 3-193	Air valve (single orifice) <u>Extra over Items Concrete for slope sliding in Transmission Main</u>	Nr	4				
TM 3-194	Type A1 <u>Miscellaneous</u>	Nr	9				
TM 3-195	Road reinstatement (Temporary)	m ²	992				
TM 3-196	Demolition of existing asphalt road surface	m ³	99				
TM 3-197	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	10				
TM 3-198	200 mm dia	m	1,222				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Transmission Main (20-C-14: Kahawatta S.R & P.S Jct. - Kurugoda S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-199	350 mm dia	m	3,821				
TM 3-200	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-201	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	7				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-202	Type 'B'	Nr	13				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
TM 3-203	Type PB-3	Nr	1				
TM 3-204	Type PB-5	Nr	1				
TM 3-205	Type PB-6	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-206	Horizontal Bend (dia 300-350 mm)	Nr	185				
TM 3-207	Vertical Bend (dia 300-350 mm)	Nr	3				
TM 3-208	Tee (dia 300-350 mm)	Nr	1				
TM 3-209	Taper (dia 300-350 mm)	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-210	Wash out	Nr	11				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-211	Air valve (double orifice)	Nr	9				
TM 3-212	Sluice valve	Nr	1				
TM 3-213	Butterfly valve	Nr	1				
	<u>Miscellaneous</u>						
TM 3-214	Road reinstatement (Temporary)	m ²	3,105				
TM 3-215	Demolition of existing asphalt road surface	m ³	310				
TM 3-216	Excavation in rock including disposal of excavated material (Provisional).	m ³	33				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-217	350 mm dia Transmission Main (20-C-15: Thelambugahawatta Jct. - Thelambugahawatta S.R)	m	3,821				
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-218	250 mm dia	m	910				
TM 3-219	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
Total of page BOQ - 298 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-220	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	2				
TM 3-221	Type 'B' <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	2				
TM 3-222	Horizontal Bend (dia 225-250 mm)	Nr	11				
TM 3-223	Horizontal Bend (dia 300-350 mm) <u>Miscellaneous</u>	Nr	4				
TM 3-224	Road reinstatement (Temporary)	m ²	740				
TM 3-225	Demolition of existing asphalt road surface	m ³	74				
TM 3-226	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	8				
TM 3-227	250 mm dia Transmission Main (20-C-16: R3 (KMC) S.R - Ampitiya Pt. - Ampitiya S.R & P.S) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	910				
Total of page BOQ - 299 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-228	300 mm dia	m	1,782				
TM 3-229	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-230	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	3				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-231	Type 'B'	Nr	5				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-232	Horizontal Bend (dia 300-350 mm)	Nr	75				
TM 3-233	Vertical Bend (dia 300-350 mm)	Nr	6				
TM 3-234	Tee (dia 300-350 mm)	Nr	2				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-235	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-236	Air valve (single orifice)	Nr	2				
TM 3-237	Sluice valve	Nr	3				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 3-238	Type A1	Nr	10				
	<u>Miscellaneous</u>						
TM 3-239	Road reinstatement (Temporary)	m ²	1,447				
Total of page BOQ - 300 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-240	Demolition of existing asphalt road surface	m ³	144				
TM 3-241	Excavation in rock including disposal of excavated material (Provisional).	m ³	15				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-242	300 mm dia Transmission Main (20-C-17: Ampitiya S.R - Elhena S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,782				
TM 3-243	200 mm dia	m	3,095				
TM 3-244	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-245	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	6				
TM 3-246	Type 'B'	Nr	9				
TM 3-247	Type 'E' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	2				
TM 3-248	Type PB-1	Nr	1				
TM 3-249	Type PB-2 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	4				
Total of page BOQ - 301 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-250	Horizontal Bend (dia 160-200 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	110				
TM 3-251	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	5				
TM 3-252	Air valve (single orifice)	Nr	4				
TM 3-253	Sluice valve <u>Extra over Items Concrete for slope sliding in Transmission Main</u>	Nr	2				
TM 3-254	Type A1	Nr	17				
TM 3-255	Type A2 <u>Miscellaneous</u>	Nr	10				
TM 3-256	Road reinstatement (Temporary)	m ²	2,514				
TM 3-257	Demolition of existing asphalt road surface	m ³	251				
TM 3-258	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	27				
TM 3-259	200 mm dia Transmission Main (20-C-18: Ampitiya S.R - Mullepihilla Low New S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	3,095				
Total of page BOQ - 302 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-260	150 mm dia	m	1,892				
TM 3-261	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-262	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	3				
TM 3-263	Type 'B'	Nr	6				
TM 3-264	Type 'E' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	1				
TM 3-265	Type PB-2 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3-266	Horizontal Bend (dia 90-150 mm)	Nr	66				
TM 3-267	Vertical Bend (dia 90-150 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	2				
TM 3-268	Wash out <u>Miscellaneous</u>	Nr	1				
TM 3-269	Road reinstatement (Temporary)	m ²	1,538				
TM 3-270	Demolition of existing asphalt road surface	m ³	153				
TM 3-271	Excavation in rock including disposal of excavated material (Provisional).	m ³	16				
Total of page BOQ - 303 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-272	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u> 150 mm dia	m	1,892				
	Transmission Main (20-C-20: Heerassagala Jct. - Heerassagala Low S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-273	350 mm dia	m	1,001				
TM 3-274	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-275	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	2				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-276	Type 'B'	Nr	3				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
TM 3-277	Type PB-2	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-278	Horizontal Bend (dia 300-350 mm)	Nr	64				
TM 3-279	Vertical Bend (dia 300-350 mm)	Nr	3				
TM 3-280	Tee (dia 300-350 mm)	Nr	1				
TM 3-281	Taper (dia 300-350 mm)	Nr	1				
Total of page BOQ - 304 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-282	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 3-283	Butterfly valve	Nr	2				
	<u>Miscellaneous</u>						
TM 3-284	Road reinstatement (Temporary)	m ²	814				
TM 3-285	Demolition of existing asphalt road surface	m ³	81				
TM 3-286	Excavation in rock including disposal of excavated material (Provisional).	m ³	9				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-287	350 mm dia	m	1,001				
	Transmission Main (20-C-21: Heerassagala Low S.R - Heerassagala Middle S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-288	200 mm dia	m	628				
TM 3-289	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-290	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
Total of page BOQ - 305 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-291	Type 'B'	Nr	6				
	<u>Extra over Items for River Crossings in Transmission Main</u>						
TM 3-292	Type PB-5	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-293	Horizontal Bend (dia 160-200 mm)	Nr	52				
TM 3-294	Vertical Bend (dia 160-200 mm)	Nr	5				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-295	Wash out	Nr	1				
	<u>Miscellaneous</u>						
TM 3-296	Construction of culvert (L =4.5 m)	Nr	1				
TM 3-297	Road reinstatement (Temporary)	m ²	686				
TM 3-298	Demolition of existing asphalt road surface	m ³	68				
TM 3-299	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 3-300	200 mm dia Transmission Main (20-C-22: Heerassagala Middle S.R - Heerassagala Upper S.R)	m	845				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 3-301	150 mm dia	m	80				
TM 3-302	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-303	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 3-304	Type 'B'	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 3-305	Horizontal Bend (dia 90-150 mm)	Nr	12				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 3-306	Wash out	Nr	1				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 3-307	Type A1	Nr	7				
	<u>Miscellaneous</u>						
TM 3-308	Road reinstatement (Temporary)	m ²	264				
TM 3-309	Demolition of existing asphalt road surface	m ³	26				
TM 3-310	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
Total of page BOQ - 307 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-311	150 mm dia Transmission Main (20-C-23: R2 (KMC) S.R - Hantana Place S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	325				
TM 3-312	200 mm dia	m	815				
TM 3-313	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 3-314	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	1				
TM 3-315	Type 'B' <u>Extra over Items for River Crossings in Transmission Main</u>	Nr	1				
TM 3-316	Type PB-6 <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 3-317	Horizontal Bend (dia 160-200 mm)	Nr	31				
TM 3-318	Vertical Bend (dia 160-200 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	6				
TM 3-319	Wash out <u>Extra over Items Concrete for slope sliding in Transmission Main</u>	Nr	1				
Total of page BOQ - 308 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 3: Laying of DI Pipes/Valves/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3-320	Type A1 Miscellaneous	Nr	21				
TM 3-321	Road reinstatement (Temporary)	m ²	663				
TM 3-322	Demolition of existing asphalt road surface	m ³	66				
TM 3-323	Excavation in rock including disposal of excavated material (Provisional). Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.	m ³	7				
TM 3-324	200 mm dia	m	815				
Total of page BOQ - 309 to TM 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench PVC Pipes Specials & Fittings as Specified.</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves as depicted in drawings.</p> <p>Excavation and back filling of pipe trenches with approved soil or river sand. Trench width & depth is given separately as depicted in drawings.</p> <p>Transmission Main (20-C-09: Pihilladeniya Jct. - Pihilladeniya S.R)</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
TM 4 - 1	225 mm dia	m	491				
TM 4 - 2	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 4 - 3	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 4 - 4	Horizontal Bend (dia 225-250 mm)	Nr	11				
Total of page BOQ - 310 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 4 - 5	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 4 - 6	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
TM 4 - 7	Road reinstatement (Temporary)	m ²	147				
TM 4 - 8	Demolition of existing asphalt road surface	m ³	14				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 4 - 9	225 mm dia Transmission Main (20-C-17: Ampitiya S.R - Elhena S.R) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	491				
TM 4- 10	225 mm dia	m	821				
TM 4- 11	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
Total of page BOQ - 311 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 4- 12	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Transmission Main</u>	Nr	1				
TM 4- 13	Type 'B' <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	3				
TM 4- 14	Horizontal Bend (dia 225-250 mm)	Nr	32				
TM 4- 15	Vertical Bend (dia 225-250 mm) <u>Extra over Items for Wash out in Transmission Main</u>	Nr	1				
TM 4- 16	Wash out <u>Extra over Items for Valve chamber in Transmission Main</u>	Nr	1				
TM 4- 17	Air valve (single orifice) <u>Miscellaneous</u>	Nr	1				
TM 4- 18	Road reinstatement (Temporary)	m ²	667				
TM 4- 19	Demolition of existing asphalt road surface <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	66				
TM 4- 20	225 mm dia	m	821				
Total of page BOQ - 312 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Transmission Main (20-C-19: Mullepihilla Low New S.R - Mullepihilla Low Old P.S) <u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 4- 21	90 mm dia (PVC)	m	148				
TM 4- 22	160 mm dia (PVC)	m	86				
TM 4- 23	50 mm (GI)	m	4				
TM 4- 24	100 mm (GI)	m	4				
TM 4- 25	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 4- 26	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Transmission Main</u>	Nr	1				
TM 4- 27	Horizontal Bend (dia 90-150 mm)	Nr	13				
TM 4- 28	Horizontal Bend (dia 160-200 mm)	Nr	4				
TM 4- 29	Vertical Bend (dia 90-150 mm)	Nr	1				
TM 4- 30	Vertical Bend (dia 160-200 mm)	Nr	2				
TM 4- 31	Tee (dia 90-150 mm)	Nr	2				
TM 4- 32	Tee (dia 160-200 mm)	Nr	1				
Total of page BOQ - 313 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 4- 33	Taper (dia 90-150 mm)	Nr	1				
TM 4- 34	Taper (dia 160-200 mm)	Nr	1				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 4- 35	Wash out	Nr	1				
	<u>Extra over Items Concrete for slope sliding in Transmission Main</u>						
TM 4- 36	Type A1	Nr	15				
	<u>Miscellaneous</u>						
TM 4- 37	Road reinstatement (Temporary)	m ²	162				
TM 4- 38	Demolition of existing asphalt road surface	m ³	16				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 4- 39	90 mm dia	m	148				
TM 4- 40	160 mm dia	m	86				
	Transmission Main (20-C-21: Heerassagala Low S.R - Heerassagala Middle S.R)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
TM 4- 41	225 mm dia	m	635				
Total of page BOQ - 314 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 4- 42	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 4- 43	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Transmission Main</u>						
TM 4- 44	Type 'B'	Nr	1				
	<u>Extra over Items for Thrust block in Transmission Main</u>						
TM 4- 45	Horizontal Bend (dia 225-250 mm)	Nr	20				
	<u>Extra over Items for Wash out in Transmission Main</u>						
TM 4- 46	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Transmission Main</u>						
TM 4- 47	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
TM 4- 48	Road reinstatement (Temporary)	m ²	299				
TM 4- 49	Demolition of existing asphalt road surface	m ³	29				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
Total of page BOQ - 315 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 4- 50	225 mm dia Transmission Main (20-C-22: Heerassagala Middle S.R - Depth to invert of pipes not exceeding 2.0 m	m	635				
TM 4- 51	160 mm dia	m	680				
TM 4- 52	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	Sum				
TM 4- 53	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition Extra over Items for Culvert Crossings in Transmission Main	Nr	1				
TM 4- 54	Type 'B' Extra over Items for Thrust block in Transmission Main	Nr	1				
TM 4- 55	Horizontal Bend (dia 160-200 mm)	Nr	31				
TM 4- 56	Vertical Bend (dia 160-200 mm) Extra over Items for Wash out in Transmission Main	Nr	1				
TM 4- 57	Wash out	Nr	1				
Total of page BOQ - 316 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.TM 4: Laying of PVC Pipes/Fittings

Transmission Main

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
TM 4- 58	Road reinstatement (Temporary)	m ²	300				
TM 4- 59	Demolition of existing asphalt road surface	m ³	30				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
TM 4- 60	160 mm dia Extra over wash out for Transmission Main (DI Pipelines) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	680				
TM 4- 61	90 mm dia	m	210				
TM 4- 62	110 mm dia	m	210				
TM 4- 63	160 mm dia <u>Extra over Items for Thrust block in Transmission Main</u>	m	20				
TM 4- 64	Horizontal Bend (dia 90-150 mm) <u>Miscellaneous</u>	Nr	30				
TM 4- 65	Road reinstatement (Temporary)	m ²	132				
TM 4- 66	Demolition of existing asphalt road surface <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	13				
TM 4- 67	90 mm dia	m	210				
TM 4- 68	110 mm dia	m	210				
TM 4- 69	160 mm dia	m	20				
Total of page BOQ - 317 to TM 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 2 - Sum

Supply of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 2	Page BOQ - 276 of Bill TM 2 Page BOQ - 277 of Bill TM 2		
TM2-SUM	Total of TM 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 3 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 3	Page BOQ - 278 of Bill TM 3 Page BOQ - 279 of Bill TM 3 Page BOQ - 280 of Bill TM 3 Page BOQ - 281 of Bill TM 3 Page BOQ - 282 of Bill TM 3 Page BOQ - 283 of Bill TM 3 Page BOQ - 284 of Bill TM 3 Page BOQ - 285 of Bill TM 3 Page BOQ - 286 of Bill TM 3 Page BOQ - 287 of Bill TM 3 Page BOQ - 288 of Bill TM 3 Page BOQ - 289 of Bill TM 3 Page BOQ - 290 of Bill TM 3 Page BOQ - 291 of Bill TM 3		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 3 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
TM 3	Page BOQ - 292 of Bill TM 3 Page BOQ - 293 of Bill TM 3 Page BOQ - 294 of Bill TM 3 Page BOQ - 295 of Bill TM 3 Page BOQ - 296 of Bill TM 3 Page BOQ - 297 of Bill TM 3 Page BOQ - 298 of Bill TM 3 Page BOQ - 299 of Bill TM 3 Page BOQ - 300 of Bill TM 3 Page BOQ - 301 of Bill TM 3 Page BOQ - 302 of Bill TM 3 Page BOQ - 303 of Bill TM 3 Page BOQ - 304 of Bill TM 3 Page BOQ - 305 of Bill TM 3		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 3 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
TM 3	Page BOQ - 306 of Bill TM 3 Page BOQ - 307 of Bill TM 3 Page BOQ - 308 of Bill TM 3 Page BOQ - 309 of Bill TM 3		
TM3-SUM	Total of TM 3 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
TM 4	Page BOQ - 310 of Bill TM 4 Page BOQ - 311 of Bill TM 4 Page BOQ - 312 of Bill TM 4 Page BOQ - 313 of Bill TM 4 Page BOQ - 314 of Bill TM 4 Page BOQ - 315 of Bill TM 4 Page BOQ - 316 of Bill TM 4 Page BOQ - 317 of Bill TM 4		
TM4-SUM	Total of TM 4 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1	Page BOQ - 236 of Bill TM 1			
	Page BOQ - 237 of Bill TM 1			
	Page BOQ - 238 of Bill TM 1			
	Page BOQ - 239 of Bill TM 1			
	Page BOQ - 240 of Bill TM 1			
	Page BOQ - 241 of Bill TM 1			
	Page BOQ - 242 of Bill GR 1			
	Page BOQ - 243 of Bill TM 1			
	Page BOQ - 244 of Bill TM 1			
	Page BOQ - 245 of Bill TM 1			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
TM 1	Page BOQ - 246 of Bill TM 1 Page BOQ - 247 of Bill TM 1 Page BOQ - 248 of Bill TM 1 Page BOQ - 249 of Bill TM 1 Page BOQ - 250 of Bill TM 1 Page BOQ - 251 of Bill TM 1 Page BOQ - 252 of Bill TM 1 Page BOQ - 253 of Bill TM 1 Page BOQ - 254 of Bill TM 1 Page BOQ - 255 of Bill TM 1 Page BOQ - 256 of Bill GR 1 Page BOQ - 257 of Bill TM 1 Page BOQ - 258 of Bill TM 1 Page BOQ - 259 of Bill TM 1			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
TM 1	Page BOQ - 260 of Bill TM 1 Page BOQ - 261 of Bill TM 1 Page BOQ - 262 of Bill TM 1 Page BOQ - 263 of Bill TM 1 Page BOQ - 264 of Bill TM 1 Page BOQ - 265 of Bill TM 1 Page BOQ - 266 of Bill GR 1 Page BOQ - 267 of Bill TM 1 Page BOQ - 268 of Bill TM 1 Page BOQ - 269 of Bill TM 1 Page BOQ - 270 of Bill TM 1 Page BOQ - 271 of Bill TM 1 Page BOQ - 272 of Bill TM 1 Page BOQ - 273 of Bill TM 1			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
TM 1	Page BOQ - 274 of Bill TM 1 Page BOQ - 275 of Bill TM 1			
TM1-SUM	Total of TM 1 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.TM - Sum

Transmission Main

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
TM 1	Supply of DI Pipes/Valves/Fittings			
TM 2	Supply of PVC Pipes/Fittings			
TM 3	Laying of DI Pipes/Valves/Fittings			
TM 4	Laying of PVC Pipes/Fittings			
TM-SUM	Total of Transmission Main to Grand Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>This Bill rate should include for the complete execution of the works as depicted in relevant drawings, as specified in technical specification and as per site conditions.</p> <p>The tenderers are expected to visit the site and ascertain for themselves the scope and the extent of the clearing to be done.</p> <p>(1) SERVICE RESERVOIR</p> <p>Kurugoda as depicted in drawing No.30-C-01</p> <p><u>Excavation and Earth Work</u></p>						
SR 1 - 1	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1 - 2	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	797				
SR 1 - 3	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	149				
SR 1 - 4	Allow for dewatering of pit	Item	Sum				
	<p>Thelambugahawatta as depicted in drawing No.30-C-03</p> <p><u>Excavation and Earth Work</u></p>						
Total of page BOQ - 328 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1 - 5	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1 - 6	Rock blasting. Rate shall include removing debris off site as directed.	m ³	45				
SR 1 - 7	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	279				
SR 1 - 8	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	99				
SR 1 - 9	Allow for dewatering of pit	Item	Sum				
<p>Kahawatta as depicted in drawing No.30-C-04</p> <p><u>Excavation and Earth Work</u></p>							
SR 1- 10	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 11	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	939				
SR 1- 12	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	221				
SR 1- 13	Allow for dewatering of pit	Item	Sum				
<p><u>Access Road</u></p>							
Total of page BOQ - 329 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 14	Allow for clearing site, uproot trees and disposal of debris.	Item	Sum				
SR 1- 15	Allow for cutting and forming of earth to the grades as depicted in drawing.	m ³	210				
SR 1- 16	Allow for filling forming and compacting approved earth to the grades as depicted in drawing.	m ³	210				
SR 1- 17	Allow for construction of road kerbs as depicted in drawing.	m	280				
	Allow for construction of storm water drains as depicted in drawing.						
SR 1- 18	a) 450 x 450mm	m	280				
SR 1- 19	Allow for slope protection masonry walls as depicted in drawing height not exceeding 3.0m.	m	280				
SR 1- 20	Allow for construction of 3000mm wide asphalt road as depicted in drawing	m ²	420				
	Kahalla as depicted in drawing No.30-C-05						
	<u>Excavation and Earth Work</u>						
SR 1- 21	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 22	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	544				
SR 1- 23	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	153				
Total of page BOQ - 330 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 24	Allow for dewatering of pit Bangalawatta as depicted in drawing N0.30-C-07 <u>Excavation and Earth Work</u>	Item	Sum				
SR 1- 25	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 26	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	1,324				
SR 1- 27	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	297				
SR 1- 28	Allow for dewatering of pit Pihilladeniya as depicted in drawing N0.30-C-08 <u>Excavation and Earth Work</u>	Item	Sum				
SR 1- 29	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 30	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	522				
Total of page BOQ - 331 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 31	Excavation in rock including disposal of excavated material(Provisional).	m ³	100				
SR 1- 32	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	136				
SR 1- 33	Allow for dewatering of pit	Item	Sum				
	Kurugamma as depicted in drawing No.30-C-09						
	<u>Excavation and Earth Work</u>						
SR 1- 34	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 35	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	20				
SR 1- 36	Excavation in rock including disposal of excavated material(Provisional).	m ³	100				
SR 1- 37	Allow for dewatering of pit	Item	Sum				
	Kondadeniya as depicted in drawing No.30-C-10						
	<u>Excavation and Earth Work</u>						
SR 1- 38	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
Total of page BOQ - 332 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 39	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	819				
SR 1- 40	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	240				
SR 1- 41	Allow for dewatering of pit	Item	Sum				
	Gohagoda as depicted in drawing No.30-C-12						
	<u>Excavation and Earth Work</u>						
SR 1- 42	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 43	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	745				
SR 1- 44	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	108				
SR 1- 45	Allow for dewatering of pit	Item	Sum				
	<u>Piles</u>						
SR 1- 46	Bored Piles 600mm dia.	m	158				
Total of page BOQ - 333 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 47	Load testing of piles 690mm dia Asgiriya as depicted in drawing No.30-C-13 <u>Excavation and Earth Work</u>	Nr	3				
SR 1- 48	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 49	Allow for dewatering of pit <u>Piles</u>	Item	Sum				
SR 1- 50	Bored Piles 600mm dia.	m	756				
SR 1- 51	Load testing of piles 690mm dia <u>Access Road</u>	Nr	14				
SR 1- 52	Allow for clearing site, uproot trees and disposal of debris.	Item	Sum				
SR 1- 53	Allow for cutting and forming of earth to the grades as depicted in drawing.	m ³	250				
SR 1- 54	Allow for filling forming and compacting approved earth to the grades as depicted in drawing.	m ³	250				
SR 1- 55	Allow for construction of road kerbs as depicted in drawing.	m	200				
Total of page BOQ - 334 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 56	Allow for construction of storm water drains as depicted in drawing. a) 450 x 450mm	m	200				
SR 1- 57	Allow for slope protection masonry walls as depicted in drawing height not exceeding 3.0m.	m	200				
SR 1- 58	Allow for construction of 5000mm wide asphalt road as depicted in drawing	m ²	500				
Bahirawakanda as depicted in drawing No.30-C-15							
<u>Excavation and Earth Work</u>							
SR 1- 59	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 60	Allow for dewatering of pit	Item	Sum				
<u>Piles</u>							
SR 1- 61	Bored Piles 750mm dia.	m	214				
SR 1- 62	Load testing of piles 750mm dia	Nr	3				
Uplands as depicted in drawing No.30-C-16							
<u>Excavation and Earth Work</u>							
Total of page BOQ - 335 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1- 63	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 64	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	520				
SR 1- 65	Excavation in rock including disposal of excavated material(Provisional).	m ³	1,873				
SR 1- 66	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	128				
SR 1- 67	Allow for dewatering of pit	Item	Sum				
	Dangolla as depicted in drawing No.30-C-18						
	<u>Excavation and Earth Work</u>						
SR 1- 68	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 69	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	2,087				
SR 1- 70	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	431				
SR 1- 71	Allow for dewatering of pit	Item	Sum				
Total of page BOQ - 336 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Heerassagala Low as depicted in drawing No.30-C-19						
	<u>Excavation and Earth Work</u>						
SR 1- 72	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 73	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	443				
SR 1- 74	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	114				
SR 1- 75	Allow for dewatering of pit	Item	Sum				
	Heerassagala Middle as depicted in drawing No.30-C-20						
	<u>Excavation and Earth Work</u>						
SR 1- 76	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 77	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	737				
SR 1- 78	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	214				
SR 1- 79	Allow for dewatering of pit	Item	Sum				
Total of page BOQ - 337 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
Heerassagala Upper as depicted in drawing No.30-C-21							
<u>Excavation and Earth Work</u>							
SR 1- 80	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 81	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	414				
SR 1- 82	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	135				
SR 1- 83	Allow for dewatering of pit	Item	Sum				
Hantana Place as depicted in drawing No.30-C-22							
<u>Excavation and Earth Work</u>							
SR 1- 84	Demolition of existing pump house	Item	Sum				
SR 1- 85	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1- 86	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	184				
SR 1- 87	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	55				
SR 1- 88	Allow for dewatering of pit	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Ampitiya as depicted in drawing No.30-C-23						
	<u>Excavation and Earth Work</u>						
SR 1- 89	Demolition of existing office/stair, and of stair	Item	Sum				
	<u>External Works</u>						
SR 1- 90	Chain link fence as per detail drawing.	m	99				
SR 1- 91	Removing of existing fence including clearance of debris.	m	90				
	<u>Access Roads</u>						
SR 1- 92	Allow for clearing site, up root trees and disposal of debris.	Item	Sum				
SR 1- 93	Allow for cutting and forming of earth to the grades as depicted in drawing.	m ³	120				
SR 1- 94	Allow for filling forming and compacting approved earth to the grades as depicted in drawing.	m ³	120				
SR 1- 95	Allow for construction of road kerbs as depicted in drawing.	m	160				
SR 1- 96	Allow for construction of storm water drains as depicted in drawing.						
SR 1- 97	a) 450 x 450mm	m	160				
SR 1- 98	Allow for slope protection masonry walls as depicted in drawing height not exceeding 3.0m.	m	160				
SR 1- 99	Allow for construction of 3.0m wide asphalt roads as depicted in drawing.	m ²	240				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Mullepihilla Low New as depicted in drawing No.30-C-25						
	<u>Excavation and Earth Work</u>						
SR 1-100	Demolition/Reconstruction of existing concrete stair	Item	Sum				
SR 1-101	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1-102	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	434				
SR 1-103	Excavation in rock including disposal of excavated material(Provisional).	m ³	10				
SR 1-104	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	159				
SR 1-105	Allow for dewatering of pit	Item	Sum				
	<u>Piles</u>						
SR 1-106	Bored Piles 600mm dia.	m	40				
SR 1-107	Load testing of piles 600mm dia	Nr	3				
	Elhena as depicted in drawing No.30-C-26						
	<u>Excavation and Earth Work</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-108	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm and remove top soil to a depth 150mm.	Item	Sum				
SR 1-109	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for pits up to depth of 3.0m return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	132				
SR 1-110	Planking and strutting to sides of pits not exceeding 3.0m depth commencing at existing ground level.	m ²	44				
SR 1-111	Allow for dewatering of pit	Item	Sum				
<p>(2) PUMP STATION</p> <p>This Bill rate should include for the complete execution of the works as depicted in relevant drawings, as specified in technical specification and as per site conditions.</p> <p>P-1 Kahawatta Pump Station as depicted in drawing No.30-C-04</p> <p><u>Excavation and Earth Work</u></p>							
SR 1-112	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
SR 1-113	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	100				
SR 1-114	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	13				
Total of page BOQ - 341 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-115	<u>Filling</u> Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	11				
SR 1-116	<u>Disposal of Water</u> Allow sum for disposal of surface water	Item	Sum				
SR 1-117	<u>Termite Treatment</u> Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
P-2 Asgiriya Pump Station as depicted in drawing No.30-C-14							
SR 1-118	<u>Excavation and Earth Work</u> Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
SR 1-119	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	85				
Total of page BOQ - 342 to SR 1 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-120	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	73				
	<u>Disposal of Water</u>						
SR 1-121	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
SR 1-122	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	<u>Piles</u>						
SR 1-123	Bored Piles 600mm dia.	m	49				
SR 1-124	Load testing of piles 600mm dia	Nr	2				
	P-3 KMC-R2 Pump Station as depicted in drawing No.30-C-17						
	<u>Excavation and Earth Work</u>						
SR 1-125	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
Total of page BOQ - 343 to SR 1 Bill Summary							

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BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-126	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	78				
SR 1-127	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	16				
SR 1-128	Demolition/Reconstruction of existing concrete stair	Item	Sum				
	<u>Filling</u>						
SR 1-129	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	6				
	<u>Disposal of Water</u>						
SR 1-130	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
SR 1-131	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	P-4 Heerassagala Low Pump Station as depicted in drawing No.30-C-19						
	<u>Excavation and Earth Work</u>						
Total of page BOQ - 344 to SR 1 Bill Summary							

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BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-132	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
SR 1-133	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	93				
SR 1-134	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	12				
	<u>Disposal of Water</u>						
SR 1-135	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
SR 1-136	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	P-5 Heerassagala Middle Pump Station as depicted in drawing No.30-C-20						
	<u>Excavation and Earth Work</u>						
SR 1-137	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
Total of page BOQ - 345 to SR 1 Bill Summary							

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BILL OF QUANTITIES

BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-138	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	78				
SR 1-139	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	82				
	<u>Disposal of Water</u>						
SR 1-140	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
SR 1-141	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
	P-6 Ampitiya Pump Station as depicted in drawing No.30-C-23						
	<u>Excavation and Earth Work</u>						
SR 1-143	Clearing site vegetation, bushes, shrubs, under growth hedges, trees and stumps girth =<500mm.	Item	Sum				
SR 1-144	Remove top soil to a depth of 150mm in the ground area occupied by the building and 1000mm perimeter surround and cartaway debris off site.	m ²	113				
Total of page BOQ - 346 to SR 1 Bill Summary							

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BILL No.SR 1: Site Work

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1-145	Excavate in all classes of soils other than a hard stratum which requires drilling and blasting for foundation pits, upto depth 2000mm return spoil for refill compacted in layers not exceeding 150mm and disposal of excavated material off site as directed.	m ³	26				
	<u>Filling</u>						
SR 1-146	Excavate from borrow pits, within or outside premises with selected fill material, transport and fill under floors in compacted layers not exceeding 150mm.	m ³	10				
	<u>Disposal of Water</u>						
SR 1-147	Allow sum for disposal of surface water	Item	Sum				
	<u>Termite Treatment</u>						
SR 1-148	Termite treatment should be applied to all new construction. Anti termite treatment to excavated surfaces, surfaces below ground floors and site compound 3.00m beyond the external wall	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>This Bill rate should include for the complete execution of the works as depicted in relevant drawings, as specified in technical specification and as per site conditions.</p> <p>(1) SERVICE RESERVOIR</p> <p>Kurugoda as depicted in drawing No.30-C-01</p> <p><u>Concrete Work</u></p> <p>Furnish, place, compact and cure cement concrete grade 15 laid within forms in:</p>						
SR 2 - 1	a) Screed of base slab	m ³	86				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2 - 2	a) Base slab	m ³	138				
SR 2 - 3	b) Walls	m ³	237				
SR 2 - 4	c) Top slab	m ³	73				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2 - 5	a) Sides and soffits of slabs	m ²	363				
SR 2 - 6	b) Sides of walls	m ²	1,160				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2 - 7	Reinforcement Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	72				
SR 2 - 8	Water Proofing Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	698				
	Miscellaneous Refer standard detail drawing for following items						
SR 2 - 9	Filling with pebbles to top slab	m ³	117				
SR 2- 10	Supply & fix stainless steel ladder to detail drawing	Nr	2				
SR 2- 11	Supply & fix Hot dip Galvanized external ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2- 12	a) Type D	Nr	1				
SR 2- 13	b) Type W	Nr	1				
SR 2- 14	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
Total of page BOQ - 349 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 15	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2- 16	Supply & fix PVC water bar	m	231				
SR 2- 18	Chain link fence as per detail drawing.	m	111				
SR 2- 19	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2- 20	Construction of catch pit as per detail drawing.	Nr	1				
SR 2- 21	Construction of storm water drains as per detail drawing.	m	76				
	<u>Architectural Equipment</u>						
SR 2- 22	Supply all small power and lighting complete	Item	Sum				
SR 2- 23	Supply all yard lighting complete	Item	Sum				
SR 2- 24	Install all small power and lighting complete	Item	Sum				
SR 2- 25	Install all yard lighting complete	Item	Sum				
	Thelambugahawatta as depicted in drawing No.30-C-03						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2- 26	a) Screed of base slab	m ³	1				
Total of page BOQ - 350 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2- 27	a) Beams	m ³	30				
SR 2- 28	b) Slabs	m ³	131				
SR 2- 29	c) Walls & Columns	m ³	123				
SR 2- 30	d) Stair case	m ³	6				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2- 30	a) Sides and soffits of slabs & beams	m ²	498				
SR 2- 31	b) Walls & columns	m ²	591				
SR 2- 32	c) Stair case	m ²	34				
	<u>Reinforcement</u>						
SR 2- 33	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	84				
	<u>Water Proofing</u>						
Total of page BOQ - 351 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 34	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing". <u>Miscellaneous</u>	m ²	380				
SR 2- 35	Supply & fix steel ladders with safty cage as per detail drawing	Nr	2				
SR 2- 36	Supply & fix Aluminium ladder as per detail.	Nr	1				
SR 2- 37	Supply & fix 1200 x 2000mm steel door as per detail drawing.	Nr	1				
SR 2- 38	Supply & glazed Alminium window with fixed Aluminium louvers and stainless steel wire mesh as per detail.	Nr	3				
SR 2- 39	G.I. Hand rail	m	32				
SR 2- 40	900 x 900mm access M/H cover to detail.	Nr	1				
SR 2- 41	Supply & fix warning light	Nr	1				
SR 2- 42	Supply & fix lightning conductor	Nr	1				
SR 2- 43	Chain link fence as per detail drawing.	m	89				
SR 2- 44	Supply & fix double gate as per detail drawing	Nr	1				
SR 2- 45	Supply and fix G.I. Vent and necessary connection.	Item	Sum				
Total of page BOQ - 352 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 46	Construction of catch pit as per detail drawing.	Nr	1				
SR 2- 47	Construction of storm water drains as per detail drawing.	m	49				
SR 2- 48	Supply & fix PVC water bar	m	117				
SR 2- 49	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2- 50	Supply all small power and lighting complete	Item	Sum				
SR 2- 51	Supply all yard lighting complete	Item	Sum				
SR 2- 52	Supply all lightning protection complete	Item	Sum				
SR 2- 53	Install all small power and lighting complete	Item	Sum				
SR 2- 54	Install all yard lighting complete	Item	Sum				
SR 2- 55	Install all lightning protection complete	Item	Sum				
	Kahawatta as depicted in drawing No.30-C-04						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2- 56	a) Screed of base slab	m ³	1				
Total of page BOQ - 353 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2- 57	a) Beams	m ³	33				
SR 2- 58	b) Slabs	m ³	145				
SR 2- 59	c) Walls & Columns	m ³	136				
SR 2- 60	d) Stair case	m ³	6				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2- 61	a) Sides and soffits of slabs & beams	m ²	553				
SR 2- 62	b) Walls & columns	m ²	657				
SR 2- 63	c) Stair case	m ²	37				
	<u>Reinforcement</u>						
SR 2- 64	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	93				
	<u>Water Proofing</u>						
Total of page BOQ - 354 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 65	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing". Miscellaneous	m ²	423				
SR 2- 66	Supply & fix steel ladders with safty cage as per detail drawing	Nr	2				
SR 2- 67	Supply & fix Aluminium ladder as per detail.	Nr	1				
SR 2- 68	Supply & fix 1200 x 2000mm steel door as per detail drawing.	Nr	1				
SR 2- 69	Supply & glazed Alminium window with fixed Aluminium louvers and stainless steel wire mesh as per detail.	Nr	3				
SR 2- 70	G.I. Hand rail	m	36				
SR 2- 71	900 x 900mm access M/H cover to detail.	Nr	1				
SR 2- 72	Supply & fix warning light	Nr	1				
SR 2- 73	Supply & fix lightning conductor	Nr	1				
SR 2- 74	Chain link fence as per detail drawing.	m	313				
SR 2- 75	Removing of existing fence including clearence of debris	m	63				
SR 2- 76	Supply & fix double gate as per detail drawing	Nr	1				
Total of page BOQ - 355 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 77	Supply and fix G.I. Vent and necessary connection.	Item	Sum				
SR 2- 78	Construction of catch pit as per detail drawing.	Nr	1				
SR 2- 79	Construction of storm water drains as per detail drawing.	m	54				
SR 2- 80	Supply & fix PVC water bar	m	131				
SR 2- 81	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2- 82	Supply all small power and lighting complete	Item	Sum				
SR 2- 83	Supply all telephone complete	Item	Sum				
SR 2- 84	Supply all yard lighting complete	Item	Sum				
SR 2- 85	Supply all lightning protection complete	Item	Sum				
SR 2- 86	Install all small power and lighting complete	Item	Sum				
SR 2- 87	Install all telephone complete	Item	Sum				
SR 2- 88	Install all yard lighting complete	Item	Sum				
SR 2- 89	Install all lightning protection complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Kahalla as depicted in drawing No.30-C-05						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2- 90	a) Screed of base slab	m ³	1				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2- 91	a) Beams	m ³	33				
SR 2- 92	b) Slabs	m ³	145				
SR 2- 93	c) Walls & Columns	m ³	136				
SR 2- 94	d) Stair case	m ³	6				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2- 95	a) Sides and soffits of slabs & beams	m ²	553				
SR 2- 96	b) Walls & columns	m ²	657				
SR 2- 97	c) Stair case	m ²	37				
Total of page BOQ - 357 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2- 98	Reinforcement Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	93				
SR 2- 99	Water Proofing Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	423				
	Miscellaneous						
SR 2-100	Supply & fix steel ladders with safty cage as per detail drawing	Nr	2				
SR 2-101	Supply & fix Aluminium ladder as per detail.	Nr	1				
SR 2-102	Supply & fix 1200 x 2000mm steel door as per detail drawing.	Nr	1				
SR 2-103	Supply & glazed Alminium window with fixed Aluminium louvers and stainless steel wire mesh as per detail.	Nr	3				
SR 2-104	G.I. Hand rail	m	36				
SR 2-105	900 x 900mm access M/H cover to detail.	Nr	1				
SR 2-106	Supply & fix warning light	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-107	Supply & fix lightning conductor	Nr	1				
SR 2-108	Chain link fence as per detail drawing.	m	31				
SR 2-109	Supply & fix double gate as per detail drawing	Nr	1				
SR 2-110	Supply and fix vent and necessary connection.	Item	Sum				
SR 2-111	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-112	Construction of storm water drains as per detail drawing.	m	58				
SR 2-113	Supply & fix PVC water bar	m	131				
SR 2-114	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2-115	Supply all small power and lighting complete	Item	Sum				
SR 2-116	Supply all yard lighting complete	Item	Sum				
SR 2-117	Supply all lightning protection complete	Item	Sum				
SR 2-118	Install all small power and lighting complete	Item	Sum				
SR 2-119	Install all yard lighting complete	Item	Sum				
SR 2-120	Install all lightning protection complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Bangalawatta as depicted in drawing N0.30-C-07						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-121	a) Screed of base slab	m ³	15				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-122	a) Base slab	m ³	68				
SR 2-123	b) Walls	m ³	129				
SR 2-124	c) Top slab	m ³	54				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-125	a) Sides and soffits of slabs	m ²	167				
SR 2-126	b) Sides of walls	m ²	792				
	<u>Reinforcement</u>						
SR 2-127	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	35				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-128	<u>Water Proofing</u> Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	536				
	<u>Miscellaneous</u>						
SR 2-129	Filling with pebbles to top slab	m ³	53				
SR 2-130	Supply & fix stainless steel ladder	Nr	1				
SR 2-131	Supply and fix Hot dip galvanized external ladder. Supply & fix Aluminium door and window.	Nr	1				
SR 2-132	a) Type D	Nr	1				
SR 2-133	b) Type W Supply & fix chequered plate man hole cover.	Nr	2				
SR 2-134	i) Size 1200mm x 800mm	Nr	2				
SR 2-135	ii) Size 900mm x 900mm	Nr	2				
SR 2-136	Allow for all vents and necessary connections etc.	Item	Sum				
Total of page BOQ - 361 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-137	Supply & fix PVC water bar	m	179				
SR 2-138	Testing and Commissioning	Item	Sum				
SR 2-139	Chain link fence as per detail drawing.	m	84				
SR 2-140	Removing of existing fence including clearance of debris.	m	36				
SR 2-141	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-142	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-143	Construction of storm water drains as per detail drawing.	m	65				
	<u>Architectural Equipment</u>						
SR 2-144	Supply all small power and lighting complete	Item	Sum				
SR 2-145	Supply all yard lighting complete	Item	Sum				
SR 2-146	Install all small power and lighting complete	Item	Sum				
SR 2-147	Install all yard lighting complete	Item	Sum				
	<u>Pihilladeniya as depicted in drawing N0.30-C-08</u>						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-148	a) Screed of base slab Furnish, place, compact and cure cement concrete grade 35 in:	m ³	12				
SR 2-149	a) Base slab	m ³	37				
SR 2-150	b) Walls	m ³	82				
SR 2-151	c) Top slab Formwork Furnish, fabricate, erect and strike formwork to concrete	m ³	25				
SR 2-152	a) Sides and soffits of slabs	m ²	139				
SR 2-153	b) Sides of walls Reinforcement	m ²	469				
SR 2- 153	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
SR 2-154	Water Proofing Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	346				
Total of page BOQ - 363 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
SR 2-155	Filling with pebbles to top slab	m ³	28				
SR 2-156	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-157	Supply & fix Hot dip Galvanized steel Ext. ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2-158	a) Type D	Nr	1				
SR 2-159	b) Type W	Nr	1				
SR 2-160	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
SR 2-161	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-162	Supply & fix PVC water bar	m	138				
SR 2-163	Testing and Commissioning	Item	Sum				
SR 2-164	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-165	Construction of storm water drains as per detail drawing.	m	59				
	<u>Architectural Equipment</u>						
SR 2-166	Supply all small power and lighting complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-167	Supply all yard lighting complete	Item	Sum				
SR 2-168	Install all small power and lighting complete	Item	Sum				
SR 2-169	Install all yard lighting complete	Item	Sum				
	Kurugammana as depicted in drawing No.30-C-09						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-170	a) Screed of base slab	m ³	27				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-171	a) Base slab	m ³	31				
SR 2-172	b) Walls	m ³	58				
SR 2-173	c) Top slab	m ³	13				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-174	a) Sides and soffits of slabs	m ²	72				
SR 2-175	b) Sides of walls	m ²	388				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-176	<u>Reinforcement</u> Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	12				
SR 2-177	<u>Water Proofing</u> Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	225				
SR 2-178	<u>Miscellaneous</u> Filling with pebbles to top slab	m ³	6				
SR 2-179	Supply & fix stainless steel ladder to detail drawing	Nr	2				
SR 2-180	Supply & fix hot dip galvanized steel external ladder. Supply & fix Aluminium door, window to detail drawing	Nr	1				
SR 2-179	a) Type D	Nr	1				
SR 2-180	b) Type W	Nr	1				
SR 2-181	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-182	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-183	Supply & fix PVC water bar	m	80				
SR 2-184	Testing and Commissioning	Item	Sum				
SR 2-185	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-186	Construction of storm water drains as per detail drawing.	m	43				
	<u>Architectural Equipment</u>						
SR 2-187	Supply all small power and lighting complete	Item	Sum				
SR 2-188	Supply all yard lighting complete	Item	Sum				
SR 2-189	Install all small power and lighting complete	Item	Sum				
SR 2-190	Install all yard lighting complete	Item	Sum				
	Kondadeniya as depicted in drawing No.30-C-10						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-191	a) Screed of base slab	m ³	12				
	Furnish, place, compact and cure cement concrete grade 35 in:						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-192	a) Base slab	m ³	37				
SR 2-193	b) Walls	m ³	82				
SR 2-194	c) Top slab	m ³	25				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2- 195	a) Sides and soffits of slabs	m ²	139				
SR 2- 196	b) Sides of walls	m ²	469				
	<u>Reinforcement</u>						
SR 2-197	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
	<u>Water Proofing</u>						
SR 2-198	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	418				
	<u>Miscellaneous</u>						
Total of page BOQ - 368 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-199	Filling with pebbles to top slab	m ³	11				
SR 2-200	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-201	Supply & fix hot dip galvanized steel external ladder. Supply & fix Aluminium door, window to detail drawing	Nr	1				
SR 2-202	a) Type D	Nr	1				
SR 2-203	b) Type W Supply & fix chequered plate man hole cover to detail drawing	Nr	1				
SR 2-204	i) Size 1200mm x 800mm	Nr	1				
SR 2-205	ii) Size 900mm x 900mm	Nr	Sum				
SR 2-206	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-207	Testing and Commissioning	Item	81				
SR 2-208	Chain link fence as per detail drawing.	m	19				
SR 2-209	Removing of existing fence including clearance of debris.	m	1				
SR 2-210	Supply and fix double gate as per detail drawing.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-211	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-212	Construction of storm water drains as per detail drawing.	m	59				
	<u>Architectural Equipment</u>						
SR 2-213	Supply all small power and lighting complete	Item	Sum				
SR 2-214	Supply all telephone complete	Item	Sum				
SR 2-215	Supply all yard lighting complete	Item	Sum				
SR 2-216	Supply all lightning protection complete	Item	Sum				
SR 2-217	Install all small power and lighting complete	Item	Sum				
SR 2-218	Install all telephone complete	Item	Sum				
SR 2-219	Install all yard lighting complete	Item	Sum				
SR 2-220	Install all lightning protection complete	Item	Sum				
	Gohagoda as depicted in drawing No.30-C-12						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-221	a) Screed of base slab	m ³	14				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-222	a) Base slab	m ³	37				
SR 2-223	b) Walls	m ³	82				
SR 2-224	c) Top slab	m ³	25				
	Formwork						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-225	a) Sides and soffits of slabs	m ²	139				
SR 2-226	b) Sides of walls	m ²	469				
	Reinforcement						
SR 2-227	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
	Water Proofing						
SR 2-228	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	306				
	Miscellaneous						
SR 2-229	Filling with pebbles to top slab	m ³	11				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-230	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-231	Supply & fix Hot dip galvanized steel external ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2-232	a) Type D	Nr	1				
SR 2-233	b) Type W	Nr	2				
SR 2-234	Supply & fix chequered plate man hole cover to detail drawing	Nr	3				
SR 2-235	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-236	Supply & fix PVC water bar	m	109				
SR 2-237	Testing and Commissioning	Item	Sum				
SR 2-238	Chain link fence as per detail drawing.	m	64				
SR 2-239	Removing of existing fence including clearance of debris.	m	86				
SR 2-240	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-241	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-242	Construction of storm water drains as per detail drawing.	m	54				
	<u>Architectural Equipment</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-243	Supply all small power and lighting complete	Item	Sum				
SR 2-244	Supply all yard lighting complete	Item	Sum				
SR 2-245	Install all small power and lighting complete	Item	Sum				
SR 2-246	Install all yard lighting complete	Item	Sum				
	Asgiriya as depicted in drawing No.30-C-13						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-247	a) Beams	m ³	313				
SR 2-248	b) Slabs	m ³	550				
SR 2-249	c) Walls & Columns	m ³	679				
SR 2-250	d) Pile caps	m ³	159				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-251	a) Sides and soffits of slabs & beams	m ²	2,523				
SR 2-252	b) Walls & columns	m ²	1,809				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-253	c) Pile caps	m ²	387				
	Reinforcement						
SR 2-254	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	510				
	Water Proofing						
SR 2-255	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	2,167				
	Miscellaneous						
SR 2-256	Access M/H cover to detail.	Nr	4				
SR 2-257	Chain link fence as per detail drawing	m	159				
SR 2-258	Supply & fix double gate as per detail drawing.	Nr	1				
SR 2-259	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-260	Construction of storm water drain as per detail drawing.	m	76				
SR 2-261	Supply & fix hot dip Galvernized steel External ladder	Nr	1				
SR 2-262	Supply & fix PVC water bar	m	656				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-263	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2-264	Supply all small power and lighting complete	Item	Sum				
SR 2-265	Supply all yard lighting complete	Item	Sum				
SR 2-266	Install all small power and lighting complete	Item	Sum				
SR 2-267	Install all yard lighting complete	Item	Sum				
	Bahirawakanda as depicted in drawing No.30-C-15						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-268	a) Screed of stair case	m ³	1				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-269	a) Beams	m ³	33				
SR 2-270	b) Slabs	m ³	145				
SR 2-271	c) Walls & Columns	m ³	136				
SR 2-272	d) Stair case	m ³	6				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-273	a) Sides and soffits of slabs & beams	m ²	553				
SR 2-274	b) Walls & columns	m ²	657				
SR 2-275	c) Stair case	m ²	37				
	<u>Reinforcement</u>						
SR 2-276	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	93				
	<u>Water Proofing</u>						
SR 2-277	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	423				
	<u>Miscellaneous</u>						
SR 2-278	Supply & fix steel ladders with safty cage as per detail drawing.	Nr	2				
SR 2-279	Supply & fix Aluminium ladder as per detail.	Nr	1				
SR 2-280	Supply & fix 1200 x 2000mm steel door as per detail drawing.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-281	Supply & glazed Aluminium window with fixed Aluminium louvers and stainless steel wire mesh as per detail.	Nr	3				
SR 2-282	G.I. Hand rail	m	36				
SR 2-283	900x900mm access M/H cover to detail.	Nr	1				
SR 2-284	Supply & fix warning light	Nr	1				
SR 2-285	Supply & fix lightning conductor	Nr	1				
SR 2-286	Chain link fence as per detail drawing	m	171				
SR 2-287	Supply & fix double gate as per detail drawing.	Nr	1				
SR 2-288	Allow for all vent & necessary connection.	Item	Sum				
SR 2-289	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-290	Construction of storm water drain as per detail drawing.	m	76				
SR 2-291	Supply & fix PVC water bar	m	131				
SR 2-292	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2-293	Supply all small power and lighting complete	Item	Sum				
SR 2-294	Supply all yard lighting complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-295	Supply all lightning protection complete	Item	Sum				
SR 2-296	Install all small power and lighting complete	Item	Sum				
SR 2-297	Install all yard lighting complete	Item	Sum				
SR 2-298	Install all lightning protection complete	Item	Sum				
	Uplands as depicted in drawing No.30-C-16						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-299	a) Screed of base slab	m ³	55				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-300	a) Base slab	m ³	482				
SR 2-301	b) Walls and Columns	m ³	713				
SR 2-302	c) Top slab	m ³	182				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-303	a) Sides and soffits of slabs	m ²	810				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-304	b) Sides of walls & columns	m ²	1,765				
	<u>Reinforcement</u>						
SR 2-304	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	414				
	<u>Water Proofing</u>						
SR 2-305	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	1,989				
	<u>Miscellaneous</u>						
SR 2-306	Chain link fence as per the detail drawing.	m	207				
SR 2-307	Filling with pebbles to top slab	m ³	252				
SR 2-308	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
SR 2-309	Construction of catch pit as per the detail drawing.	Nr	1				
SR 2-310	Supply and fix double gate as per the detail drawing.	Nr	2				
SR 2-311	Construction of storm water drains as per detail drawing.	m	112				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-312	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-313	Supply & fix Hot dip Galvernized steel ext. ladder.	Nr	1				
SR 2-314	Supply & fix PVC water bar	m	470				
SR 2-315	Testing and Commissioning	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2-316	Supply all small power and lighting complete	Item	Sum				
SR 2-317	Supply all yard lighting complete	Item	Sum				
SR 2-318	Install all small power and lighting complete	Item	Sum				
SR 2-319	Install all yard lighting complete	Item	Sum				
	Dangolla as depicted in drawing No.30-C-18						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-320	a) Screed of base slab	m ³	72				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-321	a) Base slab	m ³	117				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-322	b) Walls	m ³	199				
SR 2-323	c) Top slab	m ³	63				
	Formwork						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-324	a) Sides and soffits of slabs	m ²	306				
SR 2-325	b) Sides of walls	m ²	967				
	Reinforcement						
SR 2-325	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	63				
	Water Proofing						
SR 2-326	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	591				
	Miscellaneous						
SR 2-327	Filling with pebbles to top slab	m ³	90				
SR 2-328	Supply & fix stainless steel ladder to detail drawing	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-329	Supply & fix Hot dip Galvernized external ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2-330	a) Type D	Nr	1				
SR 2-331	b) Type W	Nr	1				
SR 2-332	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
SR 2-333	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-334	Supply & fix PVC water bar	m	180				
SR 2-335	Testing and Commissioning	Item	Sum				
SR 2-336	Chain link fence as per detail drawing.	m	112				
SR 2-337	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-338	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-339	Construction of storm water drains as per detail drawing.	m	92				
	<u>Architectural Equipment</u>						
SR 2-340	Supply all small power and lighting complete	Item	Sum				
SR 2-341	Supply all yard lighting complete	Item	Sum				
SR 2-342	Install all small power and lighting complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-343	Install all yard lighting complete Heerassagala Low as depicted in drawing No.30-C-19 <u>Concrete Work</u> Furnish, place, compact and cure cement concrete grade 15 laid within forms in:	Item	Sum				
SR 2-344	a) Screed of base slab Furnish, place, compact and cure cement concrete grade 35 in:	m ³	5				
SR 2-345	a) Base slab	m ³	37				
SR 2-346	b) Walls	m ³	82				
SR 2-347	c) Top slab <u>Formwork</u> Furnish, fabricate, erect and strike formwork to concrete	m ³	25				
SR 2-348	a) Sides and soffits of slabs	m ²	139				
SR 2-349	b) Sides of walls <u>Reinforcement</u>	m ²	469				
SR 2-350	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Water Proofing</u>						
SR 2-351	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	207				
	<u>Miscellaneous</u>						
SR 2-352	Filling with pebbles to top slab	m ³	11				
SR 2-353	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-354	Supply & fix Hot dip Galvernized steel ext. ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2-355	a) Type D	Nr	1				
SR 2-356	b) Type W	Nr	1				
SR 2-357	Supply & fix chequered plate man hole cover to detail drawing	Nr	1				
SR 2-358	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-359	Supply & fix PVC water bar	m	72				
SR 2-360	Testing and Commissioning	Item	Sum				
SR 2-361	Chain link fence as per detail drawing.	m	74				
SR 2-362	Supply and fix double gate as per detail drawing.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-363	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-364	Construction of storm water drains as per detail drawing.	m	50				
	<u>Architectural Equipment</u>						
SR 2-364	Supply all small power and lighting complete	Item	Sum				
SR 2-365	Supply all telephone complete	Item	Sum				
SR 2-366	Supply all yard lighting complete	Item	Sum				
SR 2-367	Supply all lightning protection complete	Item	Sum				
SR 2-368	Install all small power and lighting complete	Item	Sum				
SR 2-369	Install all telephone complete	Item	Sum				
SR 2-370	Install all yard lighting complete	Item	Sum				
SR 2-371	Install all lightning protection complete	Item	Sum				
	Heerassagala Middle as depicted in drawing No.30-C-20						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-372	a) Screed of base slab	m ³	10				
	Furnish, place, compact and cure cement concrete grade 35 in:						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-373	a) Base slab	m ³	68				
SR 2-374	b) Walls	m ³	129				
SR 2-375	c) Top slab	m ³	54				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-376	a) Sides and soffits of slabs	m ²	167				
SR 2-377	b) Sides of walls	m ²	792				
	<u>Reinforcement</u>						
SR 2-378	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	31				
	<u>Water Proofing</u>						
SR 2-379	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	240				
	<u>Miscellaneous</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-380	Filling with pebbles to top slab	m ³	37				
SR 2-381	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-382	Supply & fix Hot dip Galvernized steel ext. ladder. Supply & fix Aluminium door, window to detail drawing	Nr	1				
SR 2-383	a) Type D	Nr	1				
SR 2-384	b) Type W	Nr	1				
SR 2-385	Supply & fix chequered plate man hole cover to detail drawing	Nr	1				
SR 2-386	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-387	Supply & fix PVC water bar	m	79				
SR 2-388	Testing and Commissioning	Item	Sum				
SR 2-389	Chain link fence as per detail drawing.	m	90				
SR 2-390	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-391	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-392	Construction of storm water drains as per detail drawing.	m	60				
	<u>Architectural Equipment</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-393	Supply all small power and lighting complete	Item	Sum				
SR 2-394	Supply all telephone complete	Item	Sum				
SR 2-395	Supply all yard lighting complete	Item	Sum				
SR 2-396	Supply all lightning protection complete	Item	Sum				
SR 2-397	Install all small power and lighting complete	Item	Sum				
SR 2-398	Install all telephone complete	Item	Sum				
SR 2-399	Install all yard lighting complete	Item	Sum				
SR 2-400	Install all lightning protection complete	Item	Sum				
	Heerassagala Upper as depicted in drawing No.30-C-21						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2 -401	a) Screed of base slab	m ³	12				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-402	a) Base slab	m ³	37				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-403	b) Walls	m ³	82				
SR 2-404	c) Top slab	m ³	25				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-405	a) Sides and soffits of slabs	m ²	139				
SR 2-406	b) Sides of walls	m ²	469				
	<u>Reinforcement</u>						
SR 2-407	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
	<u>Water Proofing</u>						
SR 2-408	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	318				
	<u>Miscellaneous</u>						
SR 2-409	Filling with pebbles to top slab	m ³	11				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-410	Supply & fix stainless steel ladder to detail drawing No: 00 STD-S-14.	Nr	1				
SR 2-411	Supply & fix Hot dip Galvernized steel ext. ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
SR 2-412	a) Type D	Nr	1				
SR 2-413	b) Type W	Nr	1				
	Supply & fix chequered plate man hole cover to detail drawing 00 STD-S-14						
SR 2-414	i) Size 1200mm x 800mm	Nr	1				
SR 2-415	ii) Size 900mm x 900mm	Nr	1				
SR 2-416	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-417	Supply & fix PVC water bar	m	90				
SR 2-418	Testing and Commissioning	Item	Sum				
SR 2-419	Chain link fence as per detail drawing.	m	100				
SR 2-420	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-421	Construction of catch pit as per detail drawing.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-422	Construction of storm water drains as per detail drawing.	m	55				
	<u>Architectural Equipment</u>						
SR 2-423	Supply all small power and lighting complete	Item	Sum				
SR 2-424	Supply all yard lighting complete	Item	Sum				
SR 2-425	Install all small power and lighting complete	Item	Sum				
SR 2-426	Install all yard lighting complete	Item	Sum				
	Hantana Place as depicted in drawing No.30-C-22						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-427	a) Screed of base slab	m ³	19				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-428	a) Base slab	m ³	37				
SR 2-429	b) Walls	m ³	82				
SR 2-430	c) Top slab	m ³	25				
	<u>Formwork</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-431	a) Sides and soffits of slabs	m ²	139				
SR 2-432	b) Sides of walls	m ²	469				
	Reinforcement						
SR 2-433	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	23				
	<u>Water Proofing</u>						
SR 2-434	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	207				
	Miscellaneous						
SR 2-435	Filling with pebbles to top slab	m ³	11				
SR 2-436	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-437	Supply & fix Hot dip Galvernized steel ext. ladder.	Nr	1				
	Supply & fix Aluminium door, window to detail drawing						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-438	a) Type D	Nr	1				
SR 2-439	b) Type W	Nr	1				
SR 2-440	Supply & fix chequered plate man hole cover to detail drawing	Nr	1				
SR 2-441	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-442	Supply & fix PVC water bar	m	72				
SR 2-443	Testing and Commissioning	Item	Sum				
SR 2-444	Chain link fence as per detail drawing.	m	142				
SR 2-445	Removing of existing fence including clearance of debris.	m	77				
SR 2-446	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-447	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-448	Construction of storm water drains as per detail drawing.	m	61				
	<u>Architectural Equipment</u>						
SR 2-449	Supply all small power and lighting complete	Item	Sum				
SR 2-450	Supply all yard lighting complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-451	Install all small power and lighting complete	Item	Sum				
SR 2-452	Install all yard lighting complete	Item	Sum				
	Mullepihilla Low New as depicted in drawing No.30-C-25						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-453	a) Screed of base slab	m ³	5				
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-454	a) Base slab	m ³	31				
SR 2-455	b) Walls	m ³	58				
SR 2-456	c) Top slab	m ³	13				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-457	a) Sides and soffits of slabs	m ²	72				
SR 2-458	b) Sides of walls	m ²	388				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-459	Reinforcement Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	12				
SR 2-460	Water Proofing Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	152				
SR 2-461	Miscellaneous Filling with pebbles to top slab	m ³	6				
SR 2-462	Supply & fix stainless steel ladder to detail drawing	Nr	2				
SR 2-463	Supply & fix Hot dip Galvernized steel ext. ladder. Supply & fix Aluminium door, window to detail drawing	Nr	1				
SR 2-464	a) Type D	Nr	1				
SR 2-465	b) Type W	Nr	1				
SR 2-466	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-467	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-468	Supply & fix PVC water bar	m	23				
SR 2-469	Testing and Commissioning	Item	Sum				
SR 2-470	Chain link fence as per detail drawing.	m	234				
SR 2-471	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-472	Construction of catch pit as per detail drawing.	Nr	1				
SR 2-473	Construction of storm water drains as per detail drawing.	m	42				
	<u>Architectural Equipment</u>						
SR 2-474	Supply all yard lighting complete	Item	Sum				
SR 2-475	Install all yard lighting complete	Item	Sum				
	Elhena as depicted in drawing No.30-C-26						
	<u>Concrete Work</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-476	a) Screed of base slab	m ³	28				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, place, compact and cure cement concrete grade 35 in:						
SR 2-477	a) Base slab	m ³	68				
SR 2-478	b) Walls	m ³	129				
SR 2-479	c) Top slab	m ³	54				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete						
SR 2-480	a) Sides and soffits of slabs	m ²	167				
SR 2-481	b) Sides of walls	m ²	792				
	<u>Reinforcement</u>						
SR 2-482	Furnish, fabricate, place and tie medium grade ribbed or deformed steel 460N/mm ² including binding wire, cover and spacer blocks complete	ton	35				
	<u>Water Proofing</u>						
SR 2-483	Furnish, prepare and apply water proofing to the surface area to be water proofed in tank walls and bottom floor slab as depicted in Specification "Water proofing and Damp proofing".	m ²	381				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
SR 2-484	Filling with pebbles to top slab	m ³	53				
SR 2-485	Supply & fix stainless steel ladder to detail drawing	Nr	1				
SR 2-486	Supply & fix Hot dip Galvernized steel ext. ladder. Supply & fix Aluminium door, window to detail drawing	Nr	1				
SR 2-487	a) Type D	Nr	1				
SR 2-488	b) Type W	Nr	1				
SR 2-489	Supply & fix chequered plate man hole cover to detail drawing	Nr	2				
SR 2-490	Allow for all vents and necessary connections etc.	Item	Sum				
SR 2-491	Supply & fix PVC water bar	m	102				
SR 2-492	Testing and Commissioning	Item	Sum				
SR 2-493	Chain link fence as per detail drawing.	m	75				
SR 2-494	Supply and fix double gate as per detail drawing.	Nr	1				
SR 2-495	Construction of catch pit as per detail drawing.	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-496	Construction of storm water drains as per detail drawing.	m	54				
	<u>Architectural Equipment</u>						
SR 2-497	Supply all yard lighting complete	Item	Sum				
SR 2-498	Install all yard lighting complete	Item	Sum				
	(2) PUMP STATION						
	This Bill rate should include for the complete execution of the works as depicted in relevant drawings, as specified in technical specification and as per site conditions.						
	P-1 Kahawatta Pump Station as depicted in drawing No.30-C-04						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-499	a) 75mm thick screed	m ²	24				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
SR 2-500	a) Columns bases and stems	m ³	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-501	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in: a) Columns	m ³	3				
SR 2-502	b) Slabs & Lintels	m ³	18				
SR 2-503	c) Portal frames and roof beams	m ³	4				
	Formwork						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
SR 2-504	a) Sides of column bases and stems	m ²	11				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
SR 2-505	a) Columns	m ²	45				
SR 2-506	b) Slabs and Lintels	m ²	26				
SR 2-507	c) Portal frames & roof beams	m ²	28				
	Reinforcement						
SR 2-508	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	198				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-509	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete <u>Manhole/Steps</u> Construction of RCC Manhole as per detail drawing	kg	5,823				
SR 2-510	a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-511	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc. <u>Masonry Work</u>	m	2				
SR 2-512	Random rubble masonry in cement and sand 1:5 using to 225mm size broken stone in foundations.	m ³	9				
SR 2-513	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	135				
SR 2-514	Hard brick (112.5mm thick) walls in cement and sand 1:5 above ground floor level <u>Water Roofing</u>	m ²	10				
SR 2-515	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm <u>Structural Metal Work</u>	m ²	59				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
SR 2-516	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	102				
SR 2-517	Hoist rail as per detail drawing.	m	10				
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p><u>A- Aluminium Doors</u></p>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-518	Door type D1 size 900mm x 2700mm Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm thick plywood backing and 5mm thick clear, float, glass single sash door with aluminium louver above.	Nr	1				
SR 2-519	Door type D2 size 800mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet (both sides) single sash door	Nr	1				
SR 2-520	Door type D3 size 2000mm x 2700mm steel framed 20 gauge colour bonded aluminium sheet with 5mm plywood backing and 5mm thick clear float glass double sash door with aluminium louver above.	Nr	1				
SR 2-521	Door type D4 size 900mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet (on both sides) single sash door	Nr	1				
	<u>B- Aluminium Windows</u>						
SR 2-522	Window type W1 size 600mm x 1200mm alluminium framed 5mm thick clear float glass sigle sash windows with alluminium louvers above.	Nr	1				
SR 2-523	Window type W2 size 2000mm x 1800mm alluminium framed 5mm thick clear float glass three sash windows with alluminium louvers above.	Nr	1				
	<u>Wood Work</u>						
SR 2-524	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	45				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Covering</u>						
SR 2-525	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	98				
SR 2-526	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	10				
SR 2-527	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	98				
	<u>Roof Plumbing</u>						
SR 2-528	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	25				
SR 2-529	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	45				
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>A- Cold Water Supply System</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p>Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.</p>						
SR 2-530	Nominal 20mm dia.pipes	m	5				
SR 2-531	Nominal 25mm dia.pipes	m	2				
	<p>Furnish and install pipe fixtures and fittings and connect to perfect working order</p>						
SR 2-532	a) Chromium plated 20mm dia brass angle valve	Nr	3				
SR 2-533	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	<p><u>B- Sanitary Installations</u></p> <p>Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.</p>						
SR 2-534	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-535	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-536	c) Chromium plated brass hand spray	Nr	1				
SR 2-537	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-538	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	3				
SR 2-539	f) Chromium plated toilet paper holder	Nr	1				
SR 2-540	g) Chromium plated brass soap holder	Nr	1				
SR 2-541	h) Bevelled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-542	i) Chromium plated towel rail 600mm long	Nr	1				
SR 2-543	Test and Commission Water Supply System	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Wall/Floor/ Ceiling Finishes</u>						
SR 2-544	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	40				
SR 2-545	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	16				
SR 2-546	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	2				
SR 2-547	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	9				
SR 2-548	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with neat cement float & applied with two coats of epoxy paint.	m ²	38				
SR 2-549	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	106				
SR 2-550	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	142				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-551	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	14				
SR 2-552	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	15				
SR 2-553	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	54				
SR 2-554	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m ²	45				
SR 2-555	Forming 16mm thick "V" groove as per detail drawing.	m	28				
	<u>Painting</u>						
SR 2-556	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	106				
SR 2-557	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	54				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-558	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	142				
SR 2-559	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	45				
	<u>Water Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	<u>A - Waste Water Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-560	a) Nominal 90mm dia. pipes	m	3				
SR 2-561	b) Nominal 75mm dia. pipes	m	2				
SR 2-562	c) Nominal 50mm dia.pipes	m	2				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.						
SR 2-563	a) 110mm x 50mm swept junction	Nr	1				
SR 2-564	b) 50mm x40mm reducing socket	Nr	2				
SR 2-565	c) 110mm dia. short bend 87.5 ^o	Nr	2				
SR 2-566	d) 110mm dia. Media plain "Y" junction	Nr	2				
	Furnish and install pipe ancillaries and connect to perfect working order						
SR 2-567	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
SR 2-568	a) Nominal 110mm dia. pipes	m	3				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
Total of page BOQ - 410 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-569	a) 110mm dia. Plain Y Junction	Nr	1				
SR 2-570	b) 110mm dia. short bend 87.5 ^o	Nr	2				
SR 2-571	c) 110mm dia. Plain Y junction with back door	Nr	1				
SR 2-572	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing	Nr	2				
SR 2-573	Construct septic tank for 10 persons as per standard detail drawing	Nr	1				
SR 2-574	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-575	Test and commission waste water and Sewerage Disposal System	Item	Sum				
	P-2 Asgiriya Pump Station as depicted in drawing No.30-C-14						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-576	a) 50mm thick screed	m ²	15				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
SR 2-577	a) Pile caps/stair foundation	m ³	3				
Total of page BOQ - 411 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
SR 2-578	a) Columns & Walls/Stairs	m ³	33				
SR 2-579	b) Beams, slabs and Lintels	m ³	31				
SR 2-580	c) Portal frames and roof beams	m ³	3				
	Formwork						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
SR 2-581	a) Pile caps	m ²	14				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
SR 2-582	a) Columns & Walls/Stairs	m ²	299				
SR 2-583	b) Beams, slabs and Lintels	m ²	179				
SR 2-584	c) Portal frames & roof beams	m ²	32				
	Reinforcement						
SR 2-585	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	1,053				
Total of page BOQ - 412 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-586	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete <u>Manhole/Steps</u> Construction of RCC Manhole as per detail drawing	kg	9,477				
SR 2-587	a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-588	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc. <u>Masonry Work</u>	m	3				
SR 2-589	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	215				
SR 2-590	Half brick (115mm thick) walls in cement and sand 1:5 above ground floor level <u>Water Roofing</u>	m ²	10				
SR 2-591	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm <u>Structual Metal Work</u> Rate shall include for treating with two coats of anticorrosive paint where necessary.	m ²	51				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
SR 2-592	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	97				
SR 2-593	Hoist rail as per detail drawing.	m	7				
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p>						
	<p><u>A- Aluminium Doors</u></p>						
SR 2-594	Door type D1 size 800mm x 2100mm Aluminium framed 5mm thick PVC coated plywood sheet both side single sash door.	Nr	1				
Total of page BOQ - 414 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-595	Door type D3 size 900mm x 2700mm aluminium framed 5mm thick PVC coated plywood sheet both sides single sash door	Nr	2				
SR 2-596	Door type D2 size 900mm x 2700mm of 20 gauge colour bonded Zn/Al sheet with 5mm thick plywood backing double sash door with aluminium louver above.	Nr	2				
SR 2-597	Door type D4 size 2000mm x 4000mm with steel framed 20 gauge colour bounded aluminium sheet with 5mm thick plywood backing.	Nr	1				
	<u>B- Aluminium Windows</u>						
SR 2-598	Window type W1 size 900mm x 2100mm alluminium framed 5mm thick clear float glass sigle sash windows with alluminium louvers above.	Nr	3				
SR 2-599	Window type W2 size 900mm x 1800mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers above.	Nr	7				
SR 2-600	Window type W3 size 2000mm x 2700mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers below and above.	Nr	2				
SR 2-601	Window type W4 size 900mm x 4000mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers below and above.	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-602	Partition type P1 size 5700mm x 3000mm alluminium framed 5mm PVC coated plywood sheet both side and 5mm thick clear float glass including 900mm wide door.	Nr	1				
	<u>Hand Rails</u>						
SR 2-603	Furnish, fabricate and install GI handrail type "R3" as per detail drawing. Rate shall include for two coats of anti-corrosive paint and enamel paint.	m	8				
	<u>Wood Work</u>						
SR 2-604	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	36				
	<u>Roof Covering</u>						
SR 2-605	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	85				
SR 2-606	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	26				
SR 2-607	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	85				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Plumbing</u>						
SR 2-608	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	49				
SR 2-609	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	36				
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>A- Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-610	Nominal 20mm dia.pipes	m	11				
SR 2-611	Nominal 25mm dia.pipes	m	14				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
SR 2-612	a) Chromium plated 20mm dia brass angle valve	Nr	4				
SR 2-613	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>B- Sanitary Installations</u> Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
SR 2-614	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	2				
SR 2-615	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-616	c) Chromium plated brass hand spray	Nr	1				
SR 2-617	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-618	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	2				
SR 2-619	f) Chromium plated toilet paper holder	Nr	1				
SR 2-620	g) Chromium plated brass soap holder	Nr	1				
SR 2-621	h) Bevelled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-622	i) Chromium plated towel rail 600mm long	Nr	1				
SR 2-623	Test and Commission Water Supply System	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Wall/Floor/ Ceiling Finishes</u>						
SR 2-624	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	51				
SR 2-625	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	72				
SR 2-626	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	2				
SR 2-627	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	7				
SR 2-628	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with neat cement float & applied with two coats of epoxy paint.	m ²	98				
SR 2-629	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	139				
SR 2-630	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	177				
SR 2-631	Plaster sides and soffits of slabs, beams, stairways and with 5mm thick skim coat after grinding and levelling any visible joints (Magna or equivalent to architects approval)	m ²	77				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-632	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	9				
SR 2-633	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	45				
SR 2-634	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	48				
SR 2-635	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m ²	40				
SR 2-636	Forming 16mm thick "V" groove as per detail drawing.	m	45				
	Painting						
SR 2-637	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	216				
SR 2-638	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	48				
SR 2-639	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	177				
SR 2-640	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	40				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Water Drainage</u></p> <p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p><u>A - Waste Water Disposal System</u></p> <p>Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.</p>						
SR 2-641	a) Nominal 110mm dia. pipes	m	18				
SR 2-642	b) Nominal 50mm dia. pipes	m	3				
SR 2-643	c) Nominal 40mm dia.pipes	m	2				
	<p>Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.</p>						
SR 2-644	a) 110mm x 50mm swept junction	Nr	2				
	<p>Furnish and install pipe ancillaries and connect to perfect working order</p>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-645	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of						
SR 2-646	a) Nominal 110mm dia. pipes	m	18				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
SR 2-647	a) 110mm dia. Plain Y Junction	Nr	2				
SR 2-648	b) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-649	c) 110mm dia. Plain Y junction with back door	Nr	1				
SR 2-650	d) 110mm dia. 90 deg. Long radius inspection bend	Nr	1				
SR 2-651	e) 110mm x 50mm reducing socket	Nr	1				
SR 2-652	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing	Nr	2				
SR 2-653	Construct septic tank for 10 persons as per standard detail drawing.	Nr	1				
SR 2-654	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-655	Test and commission waste water and Sewerage Disposal System	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Architectural Equipment</u>						
SR 2-656	Supply all small power and lighting complete	Item	Sum				
SR 2-657	Supply all telephone complete	Item	Sum				
SR 2-658	Supply all yard lighting complete	Item	Sum				
SR 2-659	Supply all lightning protection complete	Item	Sum				
SR 2-660	Install all small power and lighting complete	Item	Sum				
SR 2-661	Install all telephone complete	Item	Sum				
SR 2-662	Install all yard lighting complete	Item	Sum				
SR 2-663	Install all lightning protection complete	Item	Sum				
	P-3 KMC-R2 Pump Station as depicted in drawing No.30-C-17						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-664	a) 50mm thick screed	m ²	53				
SR 2-665	b) Concrete filling on RCC slab above ground floor level.	m ³	8				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-666	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in: a) Columns bases and stems	m ³	3				
SR 2-667	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in: a) Columns	m ³	4				
SR 2-668	b) Slabs & lintels	m ³	18				
SR 2-669	c) Portal frames and roof beams	m ³	3				
	Formwork						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
SR 2-670	a) Column bases and stems	m ²	11				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
SR 2-671	a) Columns	m ²	43				
SR 2-672	b) Slabs and Lintels	m ²	16				
SR 2-673	c) Portal frames & roof beams	m ²	33				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Reinforcement</u>						
SR 2-674	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	139				
SR 2-675	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	2,793				
	<u>Manhole/Steps</u>						
	Construction of RCC Manhole as per detail drawing						
SR 2-676	a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-677	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc.	m	3				
	<u>Masonry Work</u>						
SR 2-678	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	110				
SR 2-679	Half brick (115mm thick) walls in cement and sand 1:5 above ground floor level	m ²	17				
	<u>Water Roofing</u>						
SR 2-680	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm	m ²	46				
				Total of page BOQ - 425 to SR 2 Bill Summary			

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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p><u>Structural Metal Work</u></p> <p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>						
SR 2-681	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	102				
SR 2-682	Hoist rail as per detail drawing.	m	4				
	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p>						
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>A- Aluminium Doors</u>						
SR 2-683	Door type D1 size 900mm x 2900mm with Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm thick plywood backing and single sash door.	Nr	1				
SR 2-684	Door type D2 size 900mm x 2100mm aluminium framed 3mm thick PVC coated plywood sheet on both sides and 5mm thick clear float glass single sash door	Nr	1				
SR 2-685	Door type D3 size 900mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet on both sides single sash door.	Nr	2				
SR 2-686	Door type D4 size 2000mm x 2900mm steel framed 20 guage colour bonded Zn/Al sheet with 5mm thick plywood backing double sash door with aluminium louver above.	Nr	1				
	<u>B- Aluminium Windows</u>						
SR 2-687	Window type W1 size 600mm x 1400mm alluminium framed 5mm thick clear float glass sigle sash windows with alluminium louvers panels above.	Nr	7				
	<u>Wood Work</u>						
SR 2-688	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	38				
	<u>Roof Covering</u>						
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-689	Supply & lay 2 layers of half round clay tile on corrugated asbestos sheets roof fixed to steel frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	89				
SR 2-690	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	48				
SR 2-691	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	89				
	<u>Roof Plumbing</u>						
SR 2-692	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	16				
SR 2-693	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	38				
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>A- Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-694	Nominal 20mm dia.pipes	m	4				
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BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-695	Nominal 25mm dia.pipes Furnish and install pipe fixtures and fittings and connect to perfect working order	m	5				
SR 2-696	a) Chromium plated 20mm dia brass angle valve	Nr	3				
SR 2-697	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	<u>B- Sanitary Installations</u> Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
SR 2-698	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
SR 2-699	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-700	c) Chromium plated brass hand spray	Nr	1				
SR 2-701	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-702	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	3				
SR 2-703	f) Chromium plated toilet paper holder	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-704	g) Chromium plated brass soap holder	Nr	1				
SR 2-705	h) Bevelled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-706	i) Chromium plated towel rail 600mm long	Nr	1				
SR 2-707	Test and Commission Water Supply System	Item	Sum				
	<u>Wall/Floor/ Ceiling Finishes</u>						
SR 2-708	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	21				
SR 2-709	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	16				
SR 2-710	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	3				
SR 2-711	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	7				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-712	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with neat cement float & applied with two coats of epoxy paint.	m ²	24				
SR 2-713	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	137				
SR 2-714	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	113				
SR 2-715	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	13				
SR 2-716	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	19				
SR 2-717	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	38				
SR 2-718	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m ²	40				
SR 2-719	Forming 16mm thick "V" groove as per detail drawing.	m	45				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Painting</u>						
SR 2-720	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	137				
SR 2-721	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	38				
SR 2-722	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	113				
SR 2-723	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	40				
	<u>Water Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	<u>A - Waste Water Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-724	a) Nominal 110mm dia. pipes	m	2				
SR 2-725	b) Nominal 50mm dia. pipes	m	2				
SR 2-726	c) Nominal 40mm dia.pipes	m	1				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.						
SR 2-727	a) 110mm x 50mm swept junction	Nr	1				
SR 2-728	b) 50mm x40mm reducing socket	Nr	2				
SR 2-729	c) 110mm dia. short bend 87.5 ^o	Nr	2				
SR 2-730	d) 100mm dia. Media plain "Y" junction	Nr	2				
	Furnish and install pipe ancillaries and connect to perfect working order						
SR 2-731	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
SR 2-732	a) Nominal 110mm dia. pipes	m	5				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
SR 2-733	a) 110mm dia. Plain Y Junction	Nr	1				
SR 2-734	b) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-735	c) 110mm dia. Plain Y junction with back door	Nr	1				
SR 2-736	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
SR 2-737	Construct septic tank for 10 persons as per standard detail drawing.	Nr	1				
SR 2-738	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-739	Test and commission waste water and Sewerage Disposal System	Item	Sum				
	<u>Architectural Equipment</u>						
SR 2-740	Supply all small power and lighting complete	Item	Sum				
SR 2-741	Supply all telephone complete	Item	Sum				
SR 2-742	Supply all yard lighting complete	Item	Sum				
SR 2-743	Supply all lightning protection complete	Item	Sum				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-744	Install all small power and lighting complete	Item	Sum				
SR 2-745	Install all telephone complete	Item	Sum				
SR 2-746	Install all yard lighting complete	Item	Sum				
SR 2-747	Install all lightning protection complete	Item	Sum				
	P-4 Heerassagala Low Pump Station as depicted in drawing No.30-C-19						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-748	a) 50mm thick screed	m ²	63				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
SR 2-749	a) Slab	m ³	12				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
SR 2-750	a) Columns, walls and stair case	m ³	52				
SR 2-751	b) Slabs beams & lintels	m ³	25				
SR 2-752	c) Portal frames and roof beams	m ³	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:						
SR 2-753	a) Slab	m ²	5				
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
SR 2-754	a) Columns, walls and stair case	m ²	289				
SR 2-755	b) Slabs beams and Lintels	m ²	83				
SR 2-756	c) Portal frames & roof beams	m ²	27				
	<u>Reinforcement</u>						
SR 2-757	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	216				
SR 2-758	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	10,588				
	<u>Manhole/Steps</u>						
	Construction Of RCC Manhole as per detail drawing						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-759	a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-760	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc. <u>Masonry Work</u>	m	3				
SR 2-761	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	91				
SR 2-762	Hard brick (112.5mm thick) walls in cement and sand 1:5 above ground floor level <u>Water Roofing</u>	m ²	34				
SR 2-763	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm <u>Structural Metal Work</u> Rate shall include for treating with two coats of anticorrosive paint where necessary. Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing. Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc. Fabricating and erecting framed structures.	m ²	63				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-764	Galvernized "C" channel purlin of size 125 x 50 x 6mm thick fixed to portal frame as per detail drawings.	m	90				
SR 2-765	Hoist rail as per detail drawing.	m	5				
	<p><u>Metal Work</u> Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p><u>A- Aluminium Doors</u></p>						
SR 2-766	Door type D1 size 900mm x 2300mm Aluminium framed 20 guage colour bonded Zink Aluminium sheet with 5mm thick plywood backing single sash door.	Nr	1				
SR 2-767	Door type D2 size 900mm x 2100mm aluminium framed 3mm thick PVC coated plywood sheet (both sides) and 5mm thick clear float glass single sash door	Nr	3				
SR 2-768	Door type D3 size 800mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet both sides single sash door.	Nr	1				
SR 2-769	Door type D4 size 2000mm x 2300mm steel framed 20 gauge colour bonded Zink Aluminium sheet with 5mm thick louver door	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>B- Aluminium Windows</u>						
SR 2-770	Window type W1 size 2000mm x 1400mm alluminium framed 5mm thick clear float glass three sashes windows with fixed alluminium louver panels below.	Nr	5				
SR 2-771	Window type W2 size 900mm x 2300mm alluminium framed 5mm thick clear float glass single sash top hung window with fixed alluminium louvers panels below.	Nr	1				
	<u>Wood Work</u>						
SR 2-772	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	37				
	<u>Roof Covering</u>						
SR 2-773	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	76				
SR 2-774	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	18				
SR 2-775	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	76				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Roof Plumbing</u>						
SR 2-776	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	32				
SR 2-777	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	35				
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>A- Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-778	Nominal 20mm dia.pipes	m	5				
SR 2-779	Nominal 25mm dia.pipes	m	2				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
SR 2-780	a) Chromium plated 20mm dia brass angle valve	Nr	3				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-781	b) Chromium plated 25mm dia. brass stop valve <u>B- Sanitary Installations</u> Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.	Nr	1				
SR 2-782	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
SR 2-783	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-784	c) Chromium plated brass hand spray	Nr	1				
SR 2-785	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-786	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	3				
SR 2-787	f) Chromium plated toilet paper holder	Nr	1				
SR 2-788	g) Chromium plated brass soap holder	Nr	1				
SR 2-789	h) Bevelled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-790	i) Chromium plated towel rail 600mm long	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-791	Test and Commission Water Supply System	Item	Sum				
	<u>Wall/Floor/ Ceiling Finishes</u>						
SR 2-792	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	45				
SR 2-793	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	28				
SR 2-794	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	3				
SR 2-795	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	8				
SR 2-796	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with neat cement float & applied with two coats of epoxy paint.	m ²	42				
SR 2-797	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	266				
SR 2-798	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	186				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-799	Plaster sides and soffits of slabs and beams with 5mm thick skim coat after grooving and levelling any visible joints (Magna or equivalent to architect's approval).	m ²	84				
SR 2-800	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	11				
SR 2-801	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	21				
SR 2-802	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	41				
SR 2-803	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m ²	35				
SR 2-804	Forming 16mm thick "V" groove as per detail drawing.	m	31				
	<u>Painting</u>						
SR 2-805	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	351				
SR 2-806	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	41				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-807	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	186				
SR 2-808	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	35				
	<u>Water Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	<u>A - Waste Water Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-809	a) Nominal 110mm dia. pipes	m	1				
SR 2-810	b) Nominal 50mm dia. pipes	m	1				
SR 2-811	c) Nominal 40mm dia.pipes	m	2				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.						
SR 2-812	a) 110mm x 50mm swept junction	Nr	1				
SR 2-813	b) 50mm x40mm reducing socket	Nr	2				
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BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-814	c) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-815	d) 110mm dia. Media plain "Y" junction	Nr	2				
	Furnish and install pipe ancillaries and connect to perfect working order						
SR 2-816	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
SR 2-817	a) Nominal 110mm dia. pipes	m	4				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
SR 2-818	a) 110mm dia. Plain Y Junction	Nr	1				
SR 2-819	b) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-820	c) 110mm dia. Plain Y junction with back door	Nr	1				
SR 2-821	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
SR 2-822	Construct septic tank for 10 persons as per standard detail drawing.	Nr	1				
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BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-823	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-824	Test and commission waste water and Sewerage Disposal System	Item	Sum				
	P-5 Heerassagala Middle Pump Station as depicted in drawing No.30-C-20						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-825	a) Concrete filling on RCC slab above ground floor level.	m ³	5				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
SR 2-826	a) Columns & Walls	m ³	8				
SR 2-827	b) Beams, slabs & lintels	m ³	17				
SR 2-828	c) Portal frames and roof beams	m ³	2				
	<u>Formwork</u>						
	Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:						
SR 2-829	a) Columns & Walls	m ²	73				
SR 2-830	b) Beams, slabs & lintels	m ²	18				
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Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-831	c) Portal frames and roof beams	m ²	27				
	Reinforcement						
SR 2-832	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	214				
SR 2-833	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete	kg	3,510				
	Miscellaneous						
	Forming undercounter vanity basin top of the sizes specified hereinunder as per detail drawing. Rate shall include for concrete, reinforcement, formwork and granite finish.						
SR 2-834	a) Vanity counter of size 2000 x 725mm	Nr	1				
	Construction of RCC Manhole as per detail drawing						
SR 2-835	a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-836	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc.	m	4				
	Masonry Work						
SR 2-837	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	66				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-838	<p><u>Water Roofing</u></p> <p>Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm</p> <p><u>Structual Metal Work</u></p> <p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p>	m ²	36				
SR 2-839	Galvernized "C" channel purlin of size 174 x 63 x 6mm thick fixed to portal frame as per detail drawings.	m	99				
SR 2-840	Hoist rail as per detail drawing.	m	9				
	<u>Metal Work</u>						
Total of page BOQ - 448 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p><u>A- Aluminium Doors</u></p> <p>SR 2-841 Door type D1 size 900mm x 2700mm Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm thick plywood backing and 5mm thick clear, float, glass double sash door.</p> <p>SR 2-842 Door type D2 size 2000mm x 2700mm steel framed 20 gauge colour bonded aluminium sheet double sash door with aluminium louvers above.</p> <p>SR 2-843 Door type D3 size 900mm x 2100mm steel framed 20 gauge colour bonded aluminium sheet single sash door.</p> <p>SR 2-844 Door type D4 size 800mm x 2100mm powder coated aluminium framed 5mm thick PVC coated plywood sheet on both sides, single sash door.</p> <p><u>B- Aluminium Windows</u></p> <p>SR 2-845 Window type W1 size 600mm x 1200mm alluminium framed 5mm thick clear float glass sigle sash windows with alluminium louvers above.</p>						
Total of page BOQ - 449 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-846	Window type W2 size 2000mm x 1800mm alluminium framed 5mm thick clear float glass single sash windows with alluminium louvers above.	Nr	1				
	<u>Wood Work</u>						
SR 2-847	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	37				
	<u>Roof Covering</u>						
SR 2-848	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	86				
SR 2-849	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	25				
SR 2-850	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	86				
	<u>Roof Plumbing</u>						
SR 2-851	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends, shoes etc.	m	17				
SR 2-852	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	36				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Q - Plumbing/Sanitary Installations</u>						
	<u>A- Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-853	Nominal 20mm dia.pipes	m	5				
SR 2-854	Nominal 25mm dia.pipes	m	5				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
SR 2-855	a) Chromium plated 20mm dia brass angle valve	Nr	3				
SR 2-856	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	<u>B- Sanitary Installations</u>						
	Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
Total of page BOQ - 451 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-857	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
SR 2-858	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-859	c) Chromium plated brass hand spray	Nr	1				
SR 2-860	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-861	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	2				
SR 2-862	f) Chromium plated toilet paper holder	Nr	1				
SR 2-863	g) Chromium plated brass soap holder	Nr	1				
SR 2-864	h) Bevelled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-865	i) Chromium plated towel rail 600mm long	Nr	1				
SR 2-866	Test and Commission Water Supply System	Item	Sum				
	<u>Wall/Floor/ Ceiling Finishes</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-867	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	23				
SR 2-868	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	12				
SR 2-869	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	3				
SR 2-870	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	7				
SR 2-871	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with neat cement float & applied with two coats of epoxy paint.	m ²	26				
SR 2-872	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	240				
SR 2-873	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	122				
SR 2-874	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	13				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-875	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	14				
SR 2-876	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	37				
SR 2-877	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and purlins as per detail drawing	m ²	31				
SR 2-878	Forming 16mm thick "V" groove as per detail drawing.	m	27				
	<u>Painting</u>						
SR 2-879	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	240				
SR 2-880	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	37				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-881	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	122				
SR 2-882	Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.	m ²	31				
	<u>Water Drainage</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	<u>A - Waste Water Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-883	a) Nominal 110mm dia. Pipes	m	2				
SR 2-884	b) Nominal 50mm dia. pipes	m	4				
SR 2-885	c) Nominal 40mm dia.pipes	m	2				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.						
SR 2-886	a) 110mm x 50mm swept junction	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-887	b) 50mm x40mm reducing socket	Nr	2				
SR 2-888	c) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-889	d) 110mm dia. Media plain "Y" junction	Nr	2				
	Furnish and install pipe ancillaries and connect to perfect working order						
SR 2-890	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	1				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
SR 2-891	a) Nominal 110mm dia. pipes	m	4				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
SR 2-892	a) 110mm dia. Plain Y Junction	Nr	1				
SR 2-893	b) 110mm dia. short bend 87.5 ⁰	Nr	2				
SR 2-894	c) 110mm dia. Plain Y junction with back door	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-895	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing	Nr	3				
SR 2-896	Construct septic tank for 10 persons as per standard detail drawing.	Nr	1				
SR 2-897	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-898	Test and commission waste water and Sewerage Disposal System	Item	Sum				
	P-6 Ampitiya Pump Station as depicted in drawing No.30-C-23						
	<u>Concrete Works</u>						
	Furnish, place, compact and cure cement concrete grade 15 laid within forms in:						
SR 2-899	a) 75mm thick screed	m ²	86				
	Furnish, place, compact and cure cement concrete grade 25 below ground floor level in:						
SR 2-900	a) Columns bases and stems	m ³	3				
	Furnish, place, compact and cure cement concrete grade 25 above ground floor level in:						
SR 2-901	a) Columns, walls and stair case	m ³	70				
SR 2-902	b) Slabs beams & lintels	m ³	27				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-903	c) Portal frames and roof beams Formwork Furnish, fabricate, erect and strike formwork to concrete below ground floor level to:	m ³	4				
SR 2-904	a) Column bases and stems Furnish, fabricate, erect and strike formwork to concrete above ground floor level to:	m ²	10				
SR 2-905	a) Columns, walls and stair case	m ²	279				
SR 2-906	b) Slabs beams & lintels	m ²	153				
SR 2-907	c) Portal frames and roof beams Reinforcement	m ²	18				
SR 2-908	Furnish, fabricate, place and tie mild steel reinforcing rounds 250N/mm ² including binding wire, cover and spacer blocks complete	Kg	371				
SR 2-909	Furnish, fabricate, place and tie medium grade ribbed or deformed steel/Lanka ribbed tor steel 460N/mm ² including binding wire, cover and spacer blocks complete Miscellaneous	kg	6,345				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-910	Construction Of RCC Manhole as per detail drawing a) MH-10 (600mm x 600mm)	Nr	1				
SR 2-911	Construction of RCC power floated steps 500mm wide as per detail drawing. Rate shall include for R/F & form work etc.	m	3				
SR 2-912	Forming undercounter vanity basin top of the sizes specified hereinunder as per detail drawing. Rate shall include for concrete, reinforcement, formwork and granite finish. a) Vanity counter of size 1900 x 600mm	Nr	1				
	<u>Masonry Work</u>						
SR 2-913	Random rubble masonry in cement and sand 1:5 above using 150mm to 225mm size broken stone in foundations.	m ³	4				
SR 2-914	One brick (225mm thick) walls in cement and sand 1:5 above ground floor level	m ²	203				
SR 2-915	Half brick (115mm thick) walls in cement and sand 1:5 above ground floor level	m ²	23				
	<u>Water Roofing</u>						
SR 2-916	Provide vapour barrier comprising 1000g poly-ethylene membrane on top of compacted and prepared fill under floors. All joints shall be lapped at least 150mm	m ²	54				
	<u>Structural Metal Work</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-917	<p>Rate shall include for treating with two coats of anticorrosive paint where necessary.</p> <p>Rate shall include for all fabrication work, including cutting, drilling, bolting, riveting, welding, grinding delivering, unloading, hoisting, erecting and fixing.</p> <p>Rate shall include for all plates, cleats, rag bolts, reverts, nuts and bolts, washers etc.</p> <p>Fabricating and erecting framed structures.</p> <p>Galvernized "C" channel purlin of size 150 x 50 x 6mm thick fixed to portal frame as per detail drawings.</p>	m	126				
SR 2-918	<p>Hoist rail as per detail drawing.</p>	m	11				
SR 2-919	<p><u>Metal Work</u></p> <p>Rate shall include for all necessary fixing, fittings, iron mongery of approved quality as per specifications and ironmongery schedule and drawings</p> <p>All aluminium sections to be powder coated and glazing to be 5mm thick clear float glass. Sashes to be 5mm thick PVC coated plywood panels or gauge 20 colour bonded aluminium sheets as specified.</p> <p><u>A- Aluminium Doors</u></p> <p>Door type D1 size 900mm x 2100mm Aluminium framed 20 guage colour bonded Aluminium sheet with 5mm thick plywood backing single sash door</p>	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-920	Door type D2 size 900mm x 2100mm aluminium framed 3mm thick PVC coated plywood sheet (both sides) and 5mm thick clear float glass single sash door	Nr	2				
SR 2-921	Door type D3 size 800mm x 2100mm aluminium framed 5mm thick PVC coated plywood sheet both sides single sash door.	Nr	2				
SR 2-922	Door type D4 size 2000mm x 3800mm steel framed 20 gauge colour bonded Zn/Al sheet with 5mm thick louver above.	Nr	4				
	<u>B- Aluminium Windows</u>						
SR 2-923	Window type W1 size 600mm x 1400mm alluminium framed 5mm thick clear float glass three sash windows with fixed alluminium louvers panels below.	Nr	4				
SR 2-924	Window type W2 size 900mm x 1500mm alluminium framed 5mm thick clear float glass single sash fixed window.	Nr	5				
SR 2-925	Window type W3 size 900mm x 900mm alluminium framed 5mm thick clear float glass single sash top hung window with fixed aluminium louver panels below.	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-926	Partition type P1 size 4000mm x 2850mm alluminium framed partition with 5mm thick PVC coated plywood sheet (both side) and 5mm thick clear float glass with door (900mm wide door).	Nr	1				
	<u>Wood Work</u>						
SR 2-927	Furnish, fabricate and install 25mm x 300mm hardwood valance board. Rate shall include for apply one coat of Aluminium sealer and two coats of enamel paint, to and approved make and colour.	m	51				
	<u>Roof Covering</u>						
SR 2-928	Supply & lay 2 layers of half round clay tile on corrugated asbestos roofing sheets including timber frame work as per detail drawing. Rate shall include for "J"bolts, nuts, sealing washers etc.	m ²	98				
SR 2-929	Furnish and fix ridge/hip tile including mortar. Rate shall include for laying 300mm wide tar sheet.	m	10				
SR 2-930	Furnish and lay double sided sisilation foil over a BRC mesh as per detail drawing	m ²	98				
	<u>Roof Plumbing</u>						
SR 2-931	Furnish and install 50mm x 70mm Zn/Aluminium down pipes. Rate to include all necessary accessories such as brackets, joints, offsets, down spout heads, bends,	m	25				
SR 2-932	Furnish and install 470mm girth Zn/Aluminium gutter complete with brackets, end caps, running heads and fixing clips etc.	m	45				
	<u>Q - Plumbing/Sanitary Installations</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>A- Cold Water Supply System</u>						
	Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.						
	Furnish, lay and joint UPVC pipes type T "1000". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.						
SR 2-933	Nominal 20mm dia.pipes	m	6				
SR 2-934	Nominal 25mm dia.pipes	m	7				
	Furnish and install pipe fixtures and fittings and connect to perfect working order						
SR 2-935	a) Chromium plated 20mm dia brass angle valve	Nr	3				
SR 2-936	b) Chromium plated 25mm dia. brass stop valve	Nr	1				
	<u>B- Sanitary Installations</u>						
	Furnish, deliver and install sanitary fixtures, fittings and accessories as per schedule and detailed hereunder and connect to perfect working order.						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-937	a) Under counter vanity wash basin with chromium plated brass pillar tap, waste plugs, chain waste and bottle trap all complete to working order	Nr	1				
SR 2-938	b) Closed couple low level washdown water closet complete with 9 litre capacity flushing cistern, pedestal seat and cover, "S" traps, connector etc all complete to working order	Nr	1				
SR 2-939	c) Chromium plated brass hand spray	Nr	1				
SR 2-940	d) 20mm dia. Chromium plated brass bib tap.	Nr	1				
SR 2-941	e) 300mm long Flexible hose "fixnol" or approved equivalent for 20mm pipes.	Nr	3				
SR 2-942	f) Chromium plated toilet paper holder	Nr	1				
SR 2-943	g) Chromium plated brass soap holder	Nr	1				
SR 2-944	h) Bevilled edge frameless mirror 400mmx600mm	Nr	1				
SR 2-945	i) Chromium plated towel rail 600mm long	Nr	1				
SR 2-946	Test and Commission Water Supply System	Item	Sum				
	<u>Wall/Floor/ Ceiling Finishes</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-947	Power floated smooth concrete floor finished with 5mm thick heavy duty, chemical resistant self leveling epoxy screed.	m ²	42				
SR 2-948	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 300mmx300mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	61				
SR 2-949	Furnish and fix homogeneous floor tiles, nonslip matt finish and to size 200mmx200mm over a 20mm thick bed of cement and sand 1:3 and fill in joints with laticrete grout to match the colour of the tiles.	m ²	3				
SR 2-950	Furnish and fix glazed ceramic wall tiles of size 200mm x 200mm over a 16mm thick bed of cement and sand 1:3 and fill in joints with grout of matching colour.	m ²	8				
SR 2-951	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished smooth with neat cement float & applied with two coats of epoxy paint.	m ²	39				
SR 2-952	Plaster 16mm thick in cement and sand 1:5 to internal faces of walls and columns and finished with 2-3mm thick skim coat (Magna or equivalent to architect's approval)	m ²	245				
SR 2-953	Plaster 16mm thick to external faces of walls, beams, columns and portal frames in cement, lime and sand 1:1:5 and finished semi rough.	m ²	242				
SR 2-954	Plaster sides and soffits of slabs and beams with 5mm thick skim coat after grooving and levelling any visible joints (Magna or equivalent to architect's approval).	m ²	93				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-955	Plaster 20mm thick in cement and sand 1:3 to plinth and finished smooth with a floating of grey cement.	m ²	17				
SR 2-956	Provide skirting in 300 x 300 mm homogeneous floor tiles non slip matt finish 100mm high to walls over 16mm thick bedding of cement and sand 1:3 and fill in joints with grout of matching colour	m	68				
SR 2-957	Furnish and fix 6mm thick Asbestos free fibre cement board flat ceiling fixed to suspended G.I. frame work as per detail drawing	m ²	53				
SR 2-958	Furnish and fix 6mm thick Asbestos free fibre cement board sloping eave ceiling fixed to steel frame work and steel purlins as per detail drawing	m ²	48				
SR 2-959	Forming 16mm thick "V" groove as per detail drawing.	m	45				
	Painting						
SR 2-960	Prepare internal walls, columns, beams and slab surfaces, painted with one coat of an approved primer and two coats of emulsion paint an approved make and colour	m ²	339				
SR 2-961	Prepare underside of asbestos free fibre cement sheet flat ceiling painted with two coats of emulsion paint an approved make and colour	m ²	53				
SR 2-962	Prepare external faces of walls and columns painted with one coat of an approved primer and two coats of weathershield emulsion paint an approved make and colour.	m ²	242				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2-963	<p>Prepare underside of asbestos free fibre cement board sloping ceiling at eaves, painted with two coats of weathershield emulsion paint an approved make and colour.</p> <p><u>Water Drainage</u></p> <p>Rate shall include for excavate trenches to lay pipes including necessary earthwork support, back filling, compacting, concrete beds, surrounds and the like where necessary.</p> <p><u>A - Waste Water Disposal System</u></p> <p>Furnish, lay and joint UPVC pipes type T "600". Rate to include all accessories and fittings except such items are listed seperately in the bill of quantities.</p>	m ²	48				
SR 2-964	a) Nominal 110mm dia. pipes	m	11				
SR 2-965	b) Nominal 40mm dia. pipes	m	6				
	Furnish and install UPVC type T "600" pipe fixtures and fittings and connect to perfect working order.						
SR 2-966	a) 110mm x 50mm swept junction	Nr	1				
SR 2-967	b) 110mm dia. short bend 87.5 ^o	Nr	2				
SR 2-968	c) 110mm dia. Media plain "Y" junction	Nr	2				
Total of page BOQ - 467 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Furnish and install pipe ancillaries and connect to perfect working order						
SR 2-969	150mm x 150mm PVC trapped floor gully 50mm sealed depth as per detail drawing	Nr	2				
	<u>B - Sewerage Disposal System</u>						
	Furnish, lay and joint UPVC pipes type T "600"; Rate to include all accessories and fittings except such items are listed separately in the Bill of Quantities.						
SR 2-970	a) Nominal 110mm dia. pipes	m	12				
	Furnish and install UPVC type T "600" fittings and fixtures connect to perfect working order.						
SR 2-971	a) 110mm dia. Plain Y Junction	Nr	1				
SR 2-972	b) 110mm dia. short bend 87.5°	Nr	2				
SR 2-973	c) 110mm dia. Plain Y junction with back door	Nr	1				
SR 2-974	Construct Inspection Chamber 450mm x 450mm in cement concrete as per Standard Detail Drawing.	Nr	2				
SR 2-975	Construct septic tank for 10 persons as per standard detail drawing.	Nr	1				
SR 2-976	Construct soakage pit for 10 persons as per standard detail drawing	Nr	2				
SR 2-977	Test and commission waste water and Sewerage Disposal System	Item	Sum				
Total of page BOQ - 468 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 2: Construction of Service Reservoir

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Architectural Equipment</u>						
SR 2-978	Supply all small power and lighting complete	Item	Sum				
SR 2-979	Supply all telephone complete	Item	Sum				
SR 2-980	Supply all yard lighting complete	Item	Sum				
SR 2-981	Supply all lightning protection complete	Item	Sum				
SR 2-982	Install all small power and lighting complete	Item	Sum				
SR 2-983	Install all telephone complete	Item	Sum				
SR 2-984	Install all yard lighting complete	Item	Sum				
SR 2-985	Install all lightning protection complete	Item	Sum				
Total of page BOQ - 469 to SR 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Supply and Delivery at site all DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation								
	DI pipes shall be of T-type. All Flanges shall be of PN 10.								
	Kurugoda as depicted in drawing No.30-C-01								
SR 3 - 1	Flanged Bellmouth, dia 300 mm	Nr	2						
SR 3 - 2	Flanged Bellmouth, dia 350 mm	Nr	2						
SR 3 - 3	Double Flanged Piece, dia 150, L=500mm	Nr	1						
SR 3 - 4	Double Flanged Piece, dia 150, L=890mm	Nr	1						
SR 3 - 5	Double Flanged Piece, dia 150, L=1,060mm	Nr	1						
SR 3 - 6	Double Flanged Piece, dia 150, L=1,900mm	Nr	2						
SR 3 - 7	Double Flanged Piece, dia 150, L=2,200mm	Nr	1						
SR 3 - 8	Double Flanged Piece, dia 150, L=2,640mm	Nr	1						
SR 3 - 9	Double Flanged Piece, dia 150, L=5,000mm	Nr	1						
SR 3 - 10	Double Flanged Piece, dia 200, L=700mm	Nr	1						
SR 3 - 11	Double Flanged Piece, dia 200, L=850mm	Nr	1						
SR 3 - 12	Double Flanged Piece, dia 200, L=980mm	Nr	1						
SR 3 - 13	Double Flanged Piece, dia 250, L=840mm	Nr	1						
SR 3 - 14	Double Flanged Piece, dia 300, L=1,650mm	Nr	1						
SR 3 - 15	Double Flanged Piece, dia 350, L=850mm	Nr	1						
SR 3 - 16	Double Flanged Piece, dia 350, L=1,575mm	Nr	1						
SR 3 - 17	Double Flanged Piece, dia 350, L=2,680mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3- 18	Double Flanged Piece, dia 350, L=4,680mm	Nr	2							
SR 3- 19	Double Flanged Piece, dia 350, L=5,000mm	Nr	1							
SR 3- 20	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	2							
SR 3- 21	Double Flanged Piece with Puddle, dia 150, L=700mm	Nr	2							
SR 3- 22	Double Flanged Piece with Puddle, dia 250, L=850mm	Nr	1							
SR 3- 23	Double Flanged Piece with Puddle, dia 300, L=1,000mm	Nr	2							
SR 3- 24	Double Flanged Piece with Puddle, dia 350, L=1,240mm	Nr	2							
SR 3- 25	Flanged Spigot Piece with Puddle, dia 350, L=830mm	Nr	2							
SR 3- 26	Flanged Spigot Piece with Puddle, dia 350, L=1485mm	Nr	2							
SR 3- 27	Double Flanged 90 degree Bend, dia 150 mm	Nr	6							
SR 3- 28	Double Flanged 90 degree Bend, dia 300 mm	Nr	1							
SR 3- 29	Double Flanged 90 degree Bend, dia 350 mm	Nr	3							
SR 3- 30	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	1							
SR 3- 31	Double Flanged 90 degree Duckfoot Bend, dia 350 mm	Nr	2							
SR 3- 32	Plain Ends Piece, dia 350, L=1,150mm	Nr	1							
SR 3- 33	All Flanged 150 x 100 Tee	Nr	2							
SR 3- 34	All Flanged 150 x 150 Tee	Nr	1							
SR 3- 35	All Flanged 200 x 200 Tee	Nr	1							
SR 3- 36	All Flanged 300 x 300 Tee	Nr	1							
SR 3- 37	All Flanged 350 x 350 Tee	Nr	3							
SR 3- 38	Double Flanged 200 x 150 Taper	Nr	1							
SR 3- 39	Dobule Flanged 250 x 200 Taper	Nr	1							
SR 3- 40	Dobule Flanged 300 x 200 Taper	Nr	1							
SR 3- 41	Double Flanged 350 x 200 Taper	Nr	1							
Total of page BOQ - 471 to SR 3 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3- 42	Flange Adapter, dia 150 mm	Nr	6						
SR 3- 43	Flange Adapter, dia 200 mm	Nr	3						
SR 3- 44	Flange Adapter, dia 300 mm	Nr	3						
SR 3- 45	Flange Adapter, dia 350 mm	Nr	6						
SR 3- 46	Collar, dia 350 mm	Nr	1						
	Akurana as depicted in drawing No.30-C-02								
SR 3- 47	Straight Pipe, dia 200, L=6,000mm	m	6						
SR 3- 48	Double Flanged Piece, dia 150, L=750mm	Nr	1						
SR 3- 49	Double Flanged Piece with Puddle, dia 200, L=800mm	Nr	2						
SR 3- 50	Flanged Spigot Piece, dia 200, L=920mm	Nr	1						
SR 3- 51	Flanged Spigot Piece, dia 200, L=2,550mm	Nr	2						
SR 3- 52	Flanged Spigot Piece with Puddle, dia 200, L=790mm	Nr	1						
SR 3- 53	Flanged Spigot Piece with Puddle, dia 200, L=1,000mm	Nr	1						
SR 3- 54	Double Socket 11.25 degree Bend, dia 200 mm	Nr	1						
SR 3- 55	Double Socket 22.5 degree Bend, dia 200 mm	Nr	1						
SR 3- 56	Double Socket 45 degree Bend, dia 200 mm	Nr	2						
SR 3- 57	Double Flanged 45 degree Bend, dia 200 mm	Nr	2						
SR 3- 58	Double Flanged 200 x 150 Taper	Nr	1						
SR 3- 59	All Flanged 200 x 200 Tee	Nr	1						
SR 3- 60	Flange Adapter, dia 150 mm	Nr	1						
SR 3- 61	Flange Adapter, dia 200 mm	Nr	2						
SR 3- 62	Connection Adaptor (PVC/DI), dia 200 mm	Nr	1						
SR 3- 63	Collar, dia 200 mm	Nr	2						
	Thelambugahawatta as depicted in drawing No.30-C-03								
SR 3- 64	Socket Plain End Piece, dia 200, L=500mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3- 65	Double Flanged Piece, dia 200, L=600mm	Nr	2						
SR 3- 66	Double Flanged Piece, dia 200, L=3.855mm	Nr	1						
SR 3- 67	Double Flanged Piece, dia 250, L=750mm	Nr	1						
SR 3- 68	Double Flanged Piece, dia 250, L=1,100mm	Nr	1						
SR 3- 69	Double Flanged Piece, dia 250, L=1,200mm	Nr	1						
SR 3- 70	Double Flanged Piece, dia 250, L=1,380mm	Nr	1						
SR 3- 71	Double Flanged Piece, dia 250, L=2,050mm	Nr	1						
SR 3- 72	Double Flanged Piece, dia 250, L=2,600mm	Nr	1						
SR 3- 73	Double Flanged Piece, dia 250, L=3,070mm	Nr	1						
SR 3- 74	Double Flanged Piece, dia 250, L=3,400mm	Nr	1						
SR 3- 75	Double Flanged Piece, dia 250, L=3,460mm	Nr	1						
SR 3- 76	Double Flanged Piece, dia 250, L=3,620mm	Nr	1						
SR 3- 77	Double Flanged Piece, dia 250, L=4,600mm	Nr	1						
SR 3- 78	Double Flanged Piece, dia 250, L=4,915mm	Nr	1						
SR 3- 79	Double Flanged Piece, dia 250, L=5,000mm	Nr	1						
SR 3- 80	Double Flanged 45 degree Bend, dia 200 mm	Nr	1						
SR 3- 81	Double Flanged 90 degree Duckfoot Bend, dia 250 mm	Nr	4						
SR 3- 82	All Flanged 200 x 200 Tee	Nr	1						
SR 3- 83	All Flanged 250 x 250 Tee	Nr	2						
SR 3- 84	Double Flanged 200 x 150 Taper	Nr	2						
SR 3- 85	Double Flanged 250 x 150 Taper	Nr	1						
SR 3- 86	Double Flanged 250 x 200 Taper	Nr	2						
SR 3- 87	Double Flanged Piece with Puddle, dia 250, L=765mm	Nr	1						
SR 3- 88	Double Flanged Piece with Puddle, dia 250, L=1,100mm	Nr	2						
SR 3- 89	Double Flanged Piece with Puddle, dia 250, L=1,220mm	Nr	1						
SR 3- 90	Double Flanged Piece with Puddle, dia 250, L=1,250mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3- 91	Double Flanged Piece with Puddle, dia 250, L=1,530mm	Nr	1							
SR 3- 92	Flanged Spigot Piece with Puddle, dia 250, L=850mm	Nr	1							
SR 3- 93	Flanged Bellmouth, dia 250, L=185mm	Nr	2							
SR 3- 94	Flange Adapter, dia 150 mm	Nr	1							
SR 3- 95	Flange Adapter, dia 200 mm	Nr	3							
SR 3- 96	Flange Adapter, dia 250 mm	Nr	1							
	Kahawatta as depicted in drawing No.30-C-04									
SR 3- 97	Plain Ends Piece, dia 300, L=1,000mm	Nr	1							
SR 3- 98	Double Flanged Piece, dia 200, L=1,100mm	Nr	1							
SR 3- 99	Double Flanged Piece, dia 200, L=1,560mm	Nr	1							
SR 3- 100	Double Flanged Piece, dia 300, L=1,500mm	Nr	1							
SR 3- 101	Double Flanged Piece, dia 300, L=1,755mm	Nr	1							
SR 3- 102	Double Flanged Piece, dia 300, L=2,340mm	Nr	1							
SR 3- 103	Double Flanged Piece, dia 300, L=2,420mm	Nr	1							
SR 3- 104	Double Flanged Piece, dia 300, L=3,800mm	Nr	1							
SR 3- 105	Double Flanged Piece, dia 300, L=5,000mm	Nr	2							
SR 3- 106	Double Flanged Piece, dia 400, L=1,190mm	Nr	1							
SR 3- 107	Double Flanged Piece, dia 400, L=1,350mm	Nr	1							
SR 3- 108	Double Flanged Piece, dia 400, L=1,500mm	Nr	2							
SR 3- 109	Double Flanged Piece, dia 500, L=1,500mm	Nr	1							
SR 3- 110	Double Flanged Piece, dia 500, L=1,840mm	Nr	1							
SR 3- 111	Double Flanged Piece, dia 500, L=2,050mm	Nr	1							
SR 3- 112	Double Flanged Piece, dia 500, L=2,090mm	Nr	1							
SR 3- 113	Double Flanged Piece, dia 500, L=2,200mm	Nr	1							
SR 3- 114	Double Flanged Piece, dia 500, L=2,360mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3- 115	Double Flanged Piece, dia 500, L=3,800mm	Nr	1						
SR 3- 116	Double Flanged Piece, dia 500, L=5,000mm	Nr	4						
SR 3- 117	Double Flanged Piece with Puddle, dia 300, L=745mm	Nr	2						
SR 3- 118	Double Flanged Piece with Puddle, dia 300, L=1,400mm	Nr	1						
SR 3- 119	Double Flanged Piece with Puddle, dia 500, L=1,100mm	Nr	1						
SR 3- 120	Double Flanged Piece with Puddle, dia 500, L=1,250mm	Nr	1						
SR 3- 121	Double Flanged Piece with Puddle, dia 500, L=1,400mm	Nr	1						
SR 3- 122	Double Flanged Piece with Puddle, dia 500, L=1,825mm	Nr	1						
SR 3- 123	Flanged Spigot Piece, dia 300, L=1000mm	Nr	2						
SR 3- 124	Flanged Spigot Piece, dia 500, L=850mm	Nr	1						
SR 3- 125	Flanged Spigot Piece, dia 500, L=1,000mm	Nr	1						
SR 3- 126	Flanged Spigot Piece, dia 500, L=2000mm	Nr	1						
SR 3- 127	Double Flanged 90 degree Bend, dia 300 mm	Nr	3						
SR 3- 128	Double Flanged 90 degree Bend, dia 400 mm	Nr	1						
SR 3- 129	Double Flanged 90 degree Duckfoot Bend, dia 300 mm	Nr	3						
SR 3- 130	Double Flanged 90 degree Duckfoot Bend, dia 400 mm	Nr	1						
SR 3- 131	Double Flanged 90 degree Duckfoot Bend, dia 500 mm	Nr	3						
SR 3- 132	Flanged Bellmouth, dia 300, L=205mm	Nr	3						
SR 3- 133	Flanged Bellmouth, dia 500, L=275mm	Nr	1						
SR 3- 134	All Flanged 300 x 100 Tee with 13 mm cock	Nr	1						
SR 3- 135	All Flanged 300 x 300 Tee	Nr	1						
SR 3- 136	All Flanged 400 x 400 Tee	Nr	1						
SR 3- 137	All Flanged 500 x 100 Tee with 13 mm cock	Nr	1						
SR 3- 138	All Flanged 500 x 500 Tee	Nr	1						
Total of page BOQ - 475 to SR 3 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3- 139	Dobule Flanged 300 x 200 Taper	Nr	2							
SR 3- 140	Double Flanged 500 x 300 Taper	Nr	1							
SR 3- 141	Dobule Flanged 500 x 400 Taper	Nr	2							
SR 3- 142	Double Flanged Flexible Expansion Joint, dia 300 mm	Nr	1							
SR 3- 143	Double Flanged Flexible Expansion Joint, dia 500 mm	Nr	1							
SR 3- 144	Flange Adapter, dia 200 mm	Nr	2							
SR 3- 145	Flange Adapter, dia 300 mm	Nr	3							
SR 3- 146	Flange Adapter, dia 350 mm	Nr	1							
SR 3- 147	Flange Adapter, dia 400 mm	Nr	2							
SR 3- 148	Flange Adapter, dia 500 mm	Nr	3							
	Extra over for Overflow/Drainage pipe									
SR 3-149	Straight Pipe, dia 500, L=6,000mm	m	128							
SR 3-150	Double Socket 45 degree Bend, dia 500 mm	Nr	1							
SR 3-151	Double Socket 22.5 degree Bend, dia 500 mm	Nr	5							
SR 3-152	Double Socket 11.25 degree Bend, dia 500 mm	Nr	7							
SR 3-153	Connection Adaptor (DI/HP), dia 500 mm (PN10)	Nr	1							
	Kahalla as depicted in drawing No.30-C-05									
SR 3-154	Straight Pipe, dia 200, L=6,000mm	m	42							
SR 3-155	Straight Pipe, dia 300, L=6,000mm	m	12							
SR 3-156	Double Flanged Piece, dia 150, length 1220 mm	Nr	1							
SR 3-157	Double Flanged Piece, dia 200, length 410 mm	Nr	1							
SR 3-158	Double Flanged Piece, dia 200, length 500 mm	Nr	2							
SR 3-159	Double Flanged Piece, dia 200, length 600 mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-160	Double Flanged Piece, dia 200, length 820 mm	Nr	1							
SR 3-161	Double Flanged Piece, dia 200, length 880 mm	Nr	2							
SR 3-162	Double Flanged Piece, dia 200, length 1190 mm	Nr	1							
SR 3-163	Double Flanged Piece, dia 200, length 1290 mm	Nr	1							
SR 3-164	Double Flanged Piece, dia 200, length 1500 mm	Nr	5							
SR 3-165	Double Flanged Piece, dia 200, length 1640 mm	Nr	1							
SR 3-166	Double Flanged Piece, dia 200, length 1740 mm	Nr	1							
SR 3-167	Double Flanged Piece, dia 200, length 2030 mm	Nr	1							
SR 3-168	Double Flanged Piece, dia 200, length 2870 mm	Nr	1							
SR 3-169	Double Flanged Piece, dia 200, length 3050 mm	Nr	1							
SR 3-170	Double Flanged Piece, dia 200, length 4250 mm	Nr	5							
SR 3-171	Double Flanged Piece, dia 300, length 2410 mm	Nr	1							
SR 3-172	Double Flanged Piece, dia 300, length 2550 mm	Nr	1							
SR 3-173	Double Flanged Piece, dia 300, length 4250 mm	Nr	2							
SR 3-174	Double Flanged Piece with Puddle, dia 200, length 1050 mm	Nr	2							
SR 3-175	Double Flanged Piece with Puddle, dia 200, length 1150 mm	Nr	1							
SR 3-176	Double Flanged Piece with Puddle, dia 200, length 1450 mm	Nr	1							
SR 3-177	Double Flanged Piece with Puddle, dia 300, length 745 mm	Nr	1							
SR 3-178	Double Flanged Piece with Puddle, dia 300, length 1150 mm	Nr	1							
SR 3-179	Flanged Spigot Piece, dia 200, length 1000 mm	Nr	1							
SR 3-180	Flanged Spigot Piece, dia 200, length 1150 mm	Nr	1							
SR 3-181	Flanged Spigot Piece, dia 300, length 1000 mm	Nr	1							
SR 3-182	Flanged Spigot Piece with Puddle, dia 200, length 850 mm	Nr	1							
SR 3-183	Dobule Flanged 200 x 150 Taper	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-184	Dobule Flanged 300 x 200 Taper	Nr	2						
SR 3-185	Double Flanged 22.5 degree Bend, dia 300 mm	Nr	1						
SR 3-186	Double Flanged 45 degree Bend, dia 200 mm	Nr	1						
SR 3-187	Double Flanged 45 degree Bend, dia 300 mm	Nr	1						
SR 3-188	Double Flanged 90 degree Bend, dia 200 mm	Nr	2						
SR 3-189	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	2						
SR 3-190	Double Socket 45 degree Bend, dia 200 mm	Nr	2						
SR 3-191	Orifice Plate, dia 200 mm	Nr	1						
SR 3-192	Double Flanged Flexible Expansion Joint, dia 200 mm	Nr	2						
SR 3-193	Double Flanged Flexible Expansion Joint, dia 300 mm	Nr	1						
SR 3-194	Flanged Bellmouth, dia 200, length 170 mm	Nr	1						
SR 3-195	Flanged Bellmouth, dia 300, length 205 mm	Nr	1						
SR 3-196	All Flanged 200 x 200 Tee	Nr	3						
SR 3-197	Flange Adapter, dia 150 mm	Nr	1						
SR 3-198	Flange Adapter, dia 200 mm	Nr	4						
SR 3-199	Flange Adapter, dia 300 mm	Nr	1						
	Bangalawatta as depicted in drawing N0.30-C-07								
SR 3-200	Straight Pipe, dia 150, L=6,000mm	m	30						
SR 3-201	Straight Pipe, dia 200, L=6,000mm	m	30						
SR 3-202	Straight Pipe, dia 250, L=6,000mm	m	30						
SR 3-203	Double Flanged 90 degree Bend, dia 100 mm	Nr	2						
SR 3-204	Double Flanged 90 degree Bend, dia 150 mm	Nr	2						
SR 3-205	Double Flanged 90 degree Bend, dia 200 mm	Nr	1						
SR 3-206	Double Flanged 90 degree Bend, dia 250 mm	Nr	6						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-207	Double Flanged 90 degree Duckfoot Bend, dia 250 mm	Nr	2							
SR 3-208	Double Flanged Piece, dia 100, L=605mm	Nr	2							
SR 3-209	Double Flanged Piece, dia 150, L=540mm	Nr	1							
SR 3-210	Double Flanged Piece, dia 150, L=730mm	Nr	1							
SR 3-211	Double Flanged Piece, dia 150, L=810mm	Nr	1							
SR 3-212	Double Flanged Piece, dia 150, L=1,820mm	Nr	1							
SR 3-213	Double Flanged Piece, dia 150, L=2,340mm	Nr	1							
SR 3-214	Double Flanged Piece, dia 200, L=1,000mm	Nr	1							
SR 3-215	Double Flanged Piece, dia 200, L=1,120mm	Nr	1							
SR 3-216	Double Flanged Piece, dia 200, L=1,400mm	Nr	1							
SR 3-217	Double Flanged Piece, dia 250, L=850mm	Nr	1							
SR 3-218	Double Flanged Piece, dia 250, L=900mm	Nr	1							
SR 3-219	Double Flanged Piece, dia 250, L=1,220mm	Nr	2							
SR 3-220	Double Flanged Piece, dia 250, L=2,700mm	Nr	1							
SR 3-221	Double Flanged Piece, dia 250, L=3,565mm	Nr	2							
SR 3-222	Double Flanged Piece, dia 250, L=5,000mm	Nr	1							
SR 3-223	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	4							
SR 3-224	Double Flanged Piece with Puddle, dia 150, L=750mm	Nr	1							
SR 3-225	Double Flanged Piece with Puddle, dia 150, L=810mm	Nr	1							
SR 3-226	Double Flanged Piece with Puddle, dia 200, L=750mm	Nr	1							
SR 3-227	Double Flanged Piece with Puddle, dia 250, L=750mm	Nr	2							
SR 3-228	Double Flanged Piece with Puddle, dia 250, L=1,160mm	Nr	2							
SR 3-229	Double Flanged Piece with Puddle, dia 250, L=1,280mm	Nr	2							
SR 3-230	Double Socket 11.25 degree Bend, dia 200 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-231	Double Socket 11.25 degree Bend, dia 250 mm	Nr	2							
SR 3-232	Double Socket 45 degree Bend, dia 150 mm	Nr	2							
SR 3-233	Double Socket 45 degree Bend, dia 200 mm	Nr	2							
SR 3-234	Double Socket 90 degree Bend, dia 150 mm	Nr	2							
SR 3-235	Double Socket 90 degree Bend, dia 200 mm	Nr	2							
SR 3-236	Double Socket 90 degree Bend, dia 250 mm	Nr	4							
SR 3-237	Flanged Bellmouth, dia 100, L=135mm	Nr	2							
SR 3-238	Flanged Bellmouth, dia 250, L=185mm	Nr	4							
SR 3-239	Flanged Spigot Piece, dia 150, L=1,000mm	Nr	1							
SR 3-240	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1							
SR 3-241	Flanged Spigot Piece, dia 250, L=1,880mm	Nr	1							
SR 3-242	Flanged Spigot Piece with Puddle, dia 150, L=800mm	Nr	1							
SR 3-243	Flanged Spigot Piece with Puddle, dia 150, L=900mm	Nr	1							
SR 3-244	Flanged Spigot Piece with Puddle, dia 200, L=900mm	Nr	2							
SR 3-245	Flanged Spigot Piece with Puddle, dia 250, L=750mm	Nr	2							
SR 3-246	All Flanged 150 x 100 Tee	Nr	2							
SR 3-247	All Flanged 150 x 150 Tee	Nr	2							
SR 3-248	All Flanged 200 x 200 Tee	Nr	1							
SR 3-249	All Flanged 250 x 250 Tee	Nr	4							
SR 3-250	All Socket 150 x 150 Tee	Nr	1							
SR 3-251	Double Flanged 150 x 100 Taper	Nr	2							
SR 3-252	Double Flanged 250 x 150 Taper	Nr	1							
SR 3-253	Double Flanged 250 x 200 Taper	Nr	2							
SR 3-254	Double Flanged Flexible Expansion Joint, dia 150 mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-255	Double Flanged Flexible Expansion Joint, dia 200 mm	Nr	1						
SR 3-256	Double Flanged Flexible Expansion Joint, dia 250 mm	Nr	1						
SR 3-257	Flange Adapter, dia 125 mm	Nr	1						
SR 3-258	Flange Adapter with Puddle, dia 150, L=800mm	Nr	1						
SR 3-259	Flange Adapter, dia 150 mm	Nr	4						
SR 3-260	Flange Adapter, dia 200 mm	Nr	3						
SR 3-261	Flange Adapter, dia 250 mm	Nr	7						
SR 3-262	Collar, dia 150 mm	Nr	3						
SR 3-263	Collar, dia 200 mm	Nr	4						
SR 3-264	Collar, dia 250 mm	Nr	2						
	Pihilladeniya as depicted in drawing N0.30-C-08								
SR 3-265	Straight Pipe, dia 150, L=6,000mm	m	12						
SR 3-266	Double Flanged Piece, dia 80, L=655mm	Nr	1						
SR 3-267	Double Flanged Piece, dia 100, L=320mm	Nr	1						
SR 3-268	Double Flanged Piece, dia 100, L=400mm	Nr	1						
SR 3-269	Double Flanged Piece, dia 100, L=2,590mm	Nr	1						
SR 3-270	Double Flanged Piece, dia 200, L=650mm	Nr	1						
SR 3-271	Double Flanged Piece, dia 200, L=750mm	Nr	1						
SR 3-272	Double Flanged Piece, dia 200, L=800mm	Nr	1						
SR 3-273	Double Flanged Piece, dia 200, L=820mm	Nr	1						
SR 3-274	Double Flanged Piece, dia 200, L=850mm	Nr	1						
SR 3-275	Double Flanged Piece, dia 200, L=2,320mm	Nr	1						
SR 3-276	Double Flanged Piece, dia 200, L=3,100mm	Nr	1						
SR 3-277	Double Flanged Piece with Puddle, dia 200, L=550mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-278	Double Flanged Piece with Puddle, dia 200, L=700mm	Nr	1						
SR 3-279	Double Flanged Piece with Puddle, dia 150, L=740mm	Nr	1						
SR 3-280	Double Flanged Piece with Puddle, dia 200, L=930mm	Nr	1						
SR 3-281	Double Flanged Piece with Puddle, dia 200, L=1,140mm	Nr	1						
SR 3-282	Flange Spigot Piece with Puddle, dia 200, L=650mm	Nr	1						
SR 3-283	Flange Spigot Piece, dia 150, L=640mm	Nr	1						
SR 3-284	Flange Spigot Piece, dia 150, L=800mm	Nr	3						
SR 3-285	Double Flanged 22.5 degree Bend, dia 150 mm	Nr	2						
SR 3-286	Double Flanged 90 degree Bend, dia 80 mm	Nr	1						
SR 3-287	Double Flanged 90 degree Bend, dia 150 mm	Nr	1						
SR 3-288	Double Flanged 90 degree Bend, dia 200 mm	Nr	2						
SR 3-289	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	1						
SR 3-290	Double Socket 22.5 degree Bend, dia 150 mm	Nr	2						
SR 3-291	Double Socket 45 degree Bend, dia 150 mm	Nr	1						
SR 3-292	Flanged Bellmouth, dia 80, L=130mm	Nr	1						
SR 3-293	Flanged Bellmouth, dia 200, L=170mm	Nr	2						
SR 3-294	All Flanged 150 x 150 Tee	Nr	1						
SR 3-295	All Flanged 200 x 100 Tee	Nr	1						
SR 3-296	All Flanged 200 x 200 Tee	Nr	3						
SR 3-297	Double Flanged 150 x 80 Taper	Nr	1						
SR 3-298	Double Flanged 150 x 100 Taper	Nr	1						
SR 3-299	Double Flanged 200 x 100 Taper	Nr	2						
SR 3-300	Double Flanged 200 x 150 Taper	Nr	1						
SR 3-301	Flange Adapter, dia 100 mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-302	Flange Adapter, dia 125 mm	Nr	1						
SR 3-303	Flange Adapter, dia 200 mm	Nr	5						
SR 3-304	Collar, dia 150 mm	Nr	3						
	<u>Extra over for Overflow/Drainage pipe</u>								
SR 3-305	Straight Pipe, dia 200, L=6,000mm	m	51						
SR 3-306	Double Socket 45 degree Bend, dia 200 mm	Nr	3						
SR 3-307	Double Socket 22.5 degree Bend, dia 200 mm	Nr	4						
SR 3-308	Double Socket 11.25 degree Bend, dia 200 mm	Nr	2						
SR 3-309	Connection Adaptor (DI/HP), dia 200 mm (PN10)	Nr	1						
SR 3-310	Connection Adaptor (Drawing No.30-C-12-01)	Nr	1						
	Kurugamma as depicted in drawing No.30-C-09								
SR 3-311	Straight Pipe, dia 150, L=6,000mm	m	6						
SR 3-312	Straight Pipe, dia 200, L=6,000mm	m	12						
SR 3-313	Double Flanged Piece, dia 100, L=605mm	Nr	1						
SR 3-314	Double Flanged Piece, dia 150, L=500mm	Nr	1						
SR 3-315	Double Flanged Piece, dia 150, L=700mm	Nr	1						
SR 3-316	Double Flanged Piece, dia 150, L=980mm	Nr	1						
SR 3-317	Double Flanged Piece, dia 150, L=2,290mm	Nr	2						
SR 3-318	Double Flanged Piece, dia 150, L=2,330mm	Nr	1						
SR 3-319	Double Flanged Piece, dia 150, L=2,390mm	Nr	2						
SR 3-320	Double Flanged Piece, dia 150, L=4,430mm	Nr	1						
SR 3-321	Double Flanged Piece, dia 200, L=710mm	Nr	1						
SR 3-322	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	3						
SR 3-323	Double Flanged Piece with Puddle, dia 150, L=850mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-324	Double Flanged Piece with Puddle, dia 150, L=1,070mm	Nr	1							
SR 3-325	Double Flanged Piece with Puddle, dia 250, L=1,000mm	Nr	1							
SR 3-326	Flanged Spigot Piece, dia 150, L=1,000mm	Nr	1							
SR 3-327	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1							
SR 3-328	Flanged Spigot Piece with Puddle, dia 150, L=600mm	Nr	1							
SR 3-329	Double Flanged 90 degree Bend, dia 100 mm	Nr	1							
SR 3-330	Double Flanged 90 degree Bend, dia 150 mm	Nr	2							
SR 3-331	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	2							
SR 3-332	Flanged Bellmouth, dia 100, L=135mm	Nr	1							
SR 3-333	Flanged Bellmouth, dia 150, L=150mm	Nr	1							
SR 3-334	Flanged Bellmouth, dia 250, L=185mm	Nr	1							
SR 3-335	All Flanged 150 x 150 Tee	Nr	1							
SR 3-336	All Flanged 200 x 100 Tee	Nr	1							
SR 3-337	All Flanged 200 x 150 Tee	Nr	1							
SR 3-338	Double Flanged 150 x 100 Taper	Nr	1							
SR 3-339	Double Flanged 250 x 150 Taper	Nr	2							
SR 3-340	Flange Adapter, dia 150 mm	Nr	6							
SR 3-341	Flange Adapter, dia 200 mm	Nr	1							
SR 3-342	Collar, dia 150 mm	Nr	1							
SR 3-343	Collar, dia 200 mm	Nr	2							
	Extra over for Overflow/Drainage pipe									
SR 3-344	Straight Pipe, dia 150, L=6,000mm	m	50							
SR 3-345	Collar, dia 150 mm	Nr	3							
	Kondadeniya as depicted in drawing No.30-C-10									
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-346	Straight Pipe, dia 200, L=6,000mm	m	24						
SR 3-347	Straight Pipe, dia 250, L=6,000mm	m	12						
SR 3-348	Double Flanged Piece, dia 200, L=520mm	Nr	2						
SR 3-349	Double Flanged Piece, dia 200, L=600mm	Nr	2						
SR 3-350	Double Flanged Piece, dia 200, L=970mm	Nr	1						
SR 3-351	Double Flanged Piece, dia 200, L=1,000mm	Nr	1						
SR 3-352	Double Flanged Piece, dia 200, L=1,200mm	Nr	1						
SR 3-353	Double Flanged Piece, dia 200, L=1,710mm	Nr	1						
SR 3-354	Double Flanged Piece, dia 200, L=2,140mm	Nr	1						
SR 3-355	Double Flanged Piece, dia 200, L=4,090mm	Nr	1						
SR 3-356	Double Flanged Piece, dia 200, L=4,320mm	Nr	1						
SR 3-357	Double Flanged Piece with Puddle, dia 200, L=550mm	Nr	1						
SR 3-358	Double Flanged Piece with Puddle, dia 200, L=600mm	Nr	1						
SR 3-359	Double Flanged Piece with Puddle, dia 200, L=900mm	Nr	1						
SR 3-360	Double Flanged Piece with Puddle, dia 200, L=1,140mm	Nr	1						
SR 3-361	Double Flanged Piece with Puddle, dia 250, L=800mm	Nr	1						
SR 3-362	Flanged Socket, dia 200 mm	Nr	1						
SR 3-363	Flanged Spigot Piece with Puddle, dia 200, L=980mm	Nr	1						
SR 3-364	Flanged Spigot Piece, dia 200, L=650mm	Nr	1						
SR 3-365	Flanged Spigot Piece, dia 200, L=1,100mm	Nr	1						
SR 3-366	Flanged Spigot Piece, dia 200, L=1,280mm	Nr	1						
SR 3-367	Flanged Spigot Piece, dia 250, L=1,000mm	Nr	1						
SR 3-368	Double Flanged 45 degree Bend, dia 200 mm	Nr	1						
SR 3-369	Double Flanged 90 degree Bend, dia 200 mm	Nr	4						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-370	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	2							
SR 3-371	Double Socket 45 degree Bend, dia 200 mm	Nr	2							
SR 3-372	Double Socket 45 degree Bend, dia 250 mm	Nr	1							
SR 3-373	Double Socket 90 degree Bend, dia 200 mm	Nr	2							
SR 3-374	Flanged Bellmouth, dia 200, L=170mm	Nr	1							
SR 3-375	Flanged Bellmouth, dia 250, L=185mm	Nr	1							
SR 3-376	All Flanged 200 x 100 Tee	Nr	1							
SR 3-377	All Flanged 200 x 200 Tee	Nr	2							
SR 3-378	Double Flanged 250 x 200 Taper	Nr	2							
SR 3-379	Double Flanged Flexible Expansion Joint, dia 250 mm	Nr	1							
SR 3-380	Flange Adapter, dia 200 mm	Nr	7							
SR 3-381	Collar, dia 200 mm	Nr	6							
	Gohagoda as depicted in drawing No.30-C-13									
SR 3-382	Straight Pipe, dia 150, L=6,000mm	m	18							
SR 3-383	Straight Pipe, dia 300, L=6,000mm	m	6							
SR 3-384	Double Flanged Piece, dia 80, L=350mm	Nr	1							
SR 3-385	Double Flanged Piece, dia 80, L=655mm	Nr	1							
SR 3-386	Double Flanged Piece, dia 150, L=530mm	Nr	1							
SR 3-387	Double Flanged Piece, dia 150, L=700mm	Nr	3							
SR 3-388	Double Flanged Piece, dia 150, L=1,080mm	Nr	1							
SR 3-389	Double Flanged Piece, dia 150, L=1900mm	Nr	1							
SR 3-390	Double Flanged Piece, dia 150, L=1,960mm	Nr	1							
SR 3-391	Double Flanged Piece, dia 150, L=2,290mm	Nr	1							
SR 3-392	Double Flanged Piece, dia 150, L=2,330mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-393	Double Flanged Piece, dia 150, L=2,480mm	Nr	1							
SR 3-394	Double Flanged Piece, dia 150, L=2,580mm	Nr	1							
SR 3-395	Double Flanged Piece, dia 150, L=3,160mm	Nr	1							
SR 3-396	Double Flanged Piece, dia 150, L=4,430mm	Nr	1							
SR 3-397	Double Flanged Piece, dia 300, L=1,800mm	Nr	1							
SR 3-398	Double Flanged Piece, dia 300, L=2,500mm	Nr	1							
SR 3-399	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	3							
SR 3-400	Double Flanged Piece with Puddle, dia 150, L=740mm	Nr	1							
SR 3-401	Double Flanged Piece with Puddle, dia 150, L=800mm	Nr	1							
SR 3-402	Double Flanged Piece with Puddle, dia 150, L=910mm	Nr	1							
SR 3-403	Double Flanged Piece with Puddle, dia 150, L=1,120mm	Nr	1							
SR 3-404	Double Flanged Piece with Puddle, dia 300, L=800mm	Nr	1							
SR 3-405	Flanged Spigot Piece, dia 150, L=650mm	Nr	1							
SR 3-406	Flanged Spigot Piece, dia 150, L=800mm	Nr	1							
SR 3-407	Flanged Spigot Piece, dia 150, L=1,000mm	Nr	2							
SR 3-408	Flanged Spigot Piece, dia 300, L=1,000mm	Nr	1							
SR 3-409	Double Flanged 150 x 80 Taper	Nr	2							
SR 3-410	Double Flanged 150 x 100 Taper	Nr	2							
SR 3-411	Double Flanged 300 x 150 Taper	Nr	2							
SR 3-412	Double Socket 200 x 150 Taper	Nr	1							
SR 3-413	Double Flanged 90 degree Bend, dia 80 mm	Nr	1							
SR 3-414	Double Flanged 90 degree Bend, dia 150 mm	Nr	7							
SR 3-415	Double Flanged 90 degree Bend, dia 300 mm	Nr	2							
SR 3-416	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	4							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-417	Double Flanged 90 degree Duckfoot Bend, dia 300 mm	Nr	1						
SR 3-418	Dobule Socket 90 degree Bend, dia 150 mm	Nr	3						
SR 3-419	Flanged Bellmouth, dia 80, L=130mm	Nr	1						
SR 3-420	Flanged Bellmouth, dia 150, L=150mm	Nr	1						
SR 3-421	Flanged Bellmouth, dia 300, L=205mm	Nr	1						
SR 3-422	All Flanged 150 x 100 Tee	Nr	1						
SR 3-423	All Flanged 150 x 150 Tee	Nr	4						
SR 3-424	Double Flanged Flexible Expansion Joint, dia 150 mm	Nr	1						
SR 3-425	Flange Adapter, dia 80 mm	Nr	1						
SR 3-426	Flange Adapter, dia 125 mm	Nr	1						
SR 3-427	Flange Adapter, dia 150 mm	Nr	7						
SR 3-428	Flange Adapter (F/PE) with Puddle, dia 150 mm	Nr	1						
SR 3-429	Collar, dia 150 mm	Nr	5						
SR 3-430	Collar, dia 300 mm	Nr	2						
	Asgiriya as depicted in drawing No.30-C-15								
SR 3-431	Straight Pipe, dia 200, L=6,000mm	m	42						
SR 3-432	Straight Pipe, dia 500, L=6,000mm	m	36						
SR 3-433	Flanged Bellmouth, dia 350, L=220mm	Nr	2						
SR 3-434	Flanged Bellmouth, dia 500, L=275mm	Nr	2						
SR 3-435	Flanged Bellmouth, dia 600, L=310mm	Nr	2						
SR 3-436	Double Flanged Piece, dia 350, L=1,220mm	Nr	2						
SR 3-437	Double Flanged Piece, dia 450, L=1,415mm	Nr	1						
SR 3-438	Double Flanged Piece, dia 450, L=1,500mm	Nr	1						
SR 3-439	Double Flanged Piece, dia 450, L=2,585mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-440	Double Flanged Piece, dia 500, L=550mm	Nr	2							
SR 3-441	Double Flanged Piece, dia 500, L=700mm	Nr	2							
SR 3-442	Double Flanged Piece, dia 500, L=1,100mm	Nr	2							
SR 3-443	Double Flanged Piece, dia 500, L=1,200mm	Nr	2							
SR 3-444	Double Flanged Piece, dia 500, L=1,440mm	Nr	1							
SR 3-445	Double Flanged Piece, dia 500, L=1,500mm	Nr	1							
SR 3-446	Double Flanged Piece, dia 500, L=1,540mm	Nr	1							
SR 3-447	Double Flanged Piece, dia 500, L=2,200mm	Nr	2							
SR 3-448	Double Flanged Piece, dia 500, L=2,515mm	Nr	1							
SR 3-449	Double Flanged Piece, dia 500, L=3,115mm	Nr	2							
SR 3-450	Double Flanged Piece, dia 500, L=5,075mm	Nr	2							
SR 3-451	Double Flanged Piece, dia 600, L=1,340mm	Nr	1							
SR 3-452	Double Flanged Piece, dia 600, L=1,500mm	Nr	1							
SR 3-453	Double Flanged Piece, dia 600, L=1,540mm	Nr	1							
SR 3-454	Double Flanged Piece with Puddle, dia 500, L=850mm	Nr	4							
SR 3-455	Double Flanged Piece with Puddle, dia 600, L=850mm	Nr	2							
SR 3-456	Flange Spigot Piece with Puddle, dia 500, L=1,040mm	Nr	2							
SR 3-457	Flanged Socket, dia 500, L=170mm	Nr	2							
SR 3-458	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1							
SR 3-459	Double Flanged 45 degree Bend, dia 500 mm	Nr	2							
SR 3-460	Double Socket 90 degree Bend, dia 250 mm	Nr	1							
SR 3-461	Double Flanged 90 degree Bend, dia 500 mm	Nr	5							
SR 3-462	Double Socket 90 degree Bend, dia 500 mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-463	Double Flanged 90 degree Bend, dia 600 mm	Nr	2						
SR 3-464	Double Flanged 90 degree Duckfoot Bend, dia 500 mm	Nr	4						
SR 3-465	Double Flanged 90 degree Duckfoot Bend, dia 600 mm	Nr	1						
SR 3-466	All Flanged 450 x 450 Tee	Nr	1						
SR 3-467	All Flanged 500 x 500 Tee	Nr	4						
SR 3-468	All Flanged 600 x 600 Tee	Nr	1						
SR 3-469	Double Flanged 450 x 250 Taper	Nr	1						
SR 3-470	Double Flanged 500 x 350 Taper	Nr	2						
SR 3-471	Double Flanged 500 x 450 Taper	Nr	1						
SR 3-472	Double Flanged 600 x 450 Taper	Nr	1						
SR 3-473	Double Flanged Flexible Expansion Joint, dia 200 mm	Nr	1						
SR 3-474	Double Flanged Flexible Expansion Joint, dia 500 mm	Nr	1						
SR 3-475	Double Flanged Flexible Expansion Joint, dia 600 mm	Nr	1						
SR 3-476	Flange Adapter, dia 450 mm	Nr	2						
SR 3-477	Flange Adapter, dia 500 mm	Nr	11						
SR 3-478	Flange Adapter, dia 600 mm	Nr	2						
SR 3-479	Collar, dia 200 mm	Nr	3						
	Bahirawakanda as depicted in drawing No.30-C-16								
SR 3-480	Straight Pipe, dia 250, L=6,000mm	m	18						
SR 3-481	Flanged Bellmouth, dia 250, L=185mm	Nr	2						
SR 3-482	Double Flanged Piece, dia 150, L=500mm	Nr	2						
SR 3-483	Double Flanged Piece, dia 150, L=2,710mm	Nr	1						
SR 3-484	Double Flanged Piece, dia 250, L=700mm	Nr	5						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-485	Double Flanged Piece, dia 250, L=850mm	Nr	5						
SR 3-486	Double Flanged Piece, dia 250, L=2,000mm	Nr	1						
SR 3-487	Double Flanged Piece, dia 250, L=3,500mm	Nr	1						
SR 3-488	Double Flanged Piece, dia 250, L=4,000mm	Nr	2						
SR 3-489	Double Flanged Piece, dia 250, L=4,670mm	Nr	1						
SR 3-490	Double Flanged Piece, dia 250, L=5,000mm	Nr	12						
SR 3-491	Flanged Spigot Piece with Puddle, dia 250, L=800mm	Nr	1						
SR 3-492	Double Flanged Piece with Puddle, dia 250, L=715mm	Nr	1						
SR 3-493	Double Flanged Piece with Puddle, dia 250, L=1,000mm	Nr	2						
SR 3-494	Double Flanged Piece with Puddle, dia 250, L=3,715mm	Nr	1						
SR 3-495	Flanged Spigot Piece, dia 250, L=1,000mm	Nr	4						
SR 3-496	Flanged Spigot Piece, dia 250, L=1,500mm	Nr	1						
SR 3-497	Double Flanged 45 degree Bend, dia 150 mm	Nr	6						
SR 3-498	Double Flanged 45 degree Bend, dia 250 mm	Nr	2						
SR 3-499	Double Flanged 90 degree Bend, dia 250 mm	Nr	6						
SR 3-500	Double Socket 45 degree Bend, dia 250 mm	Nr	1						
SR 3-501	Double Flanged 90 degree Duckfoot Bend, dia 250 mm	Nr	8						
SR 3-502	All Flanged 150 x 150 Tee	Nr	3						
SR 3-503	All Flanged 250 x 250 Tee	Nr	3						
SR 3-504	Double Flanged 250 x 150 Taper	Nr	5						
SR 3-505	Double Flanged Flexible Expansion Joint, dia 250 mm	Nr	5						
SR 3-506	Flange Adapter, dia 150 mm	Nr	3						
SR 3-507	Flange Adapter, dia 250 mm	Nr	13						
SR 3-508	Collar, dia 250 mm	Nr	3						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-509	Plug, dia 250 mm Uplands as depicted in drawing No.30-C-17	Nr	2						
SR 3-510	Straight Pipe, dia 400, L=6,000mm	m	6						
SR 3-511	Double Flanged Piece, dia 200, L=1,290mm	Nr	2						
SR 3-512	Double Flanged Piece, dia 300, L=500mm	Nr	1						
SR 3-513	Double Flanged Piece, dia 300, L=1,500mm	Nr	1						
SR 3-514	Double Flanged Piece, dia 350, L=550mm	Nr	1						
SR 3-515	Double Flanged Piece, dia 350, L=1,750mm	Nr	1						
SR 3-516	Double Flanged Piece, dia 400, L=600mm	Nr	2						
SR 3-517	Double Flanged Piece, dia 400, L=1200mm	Nr	2						
SR 3-518	Double Flanged Piece, dia 400, L=1,440mm	Nr	1						
SR 3-519	Double Flanged Piece, dia 400, L=1,800mm	Nr	1						
SR 3-520	Double Flanged Piece, dia 400, L=1,870mm	Nr	2						
SR 3-521	Double Flanged Piece, dia 400, L=2,210mm	Nr	1						
SR 3-522	Double Flanged Piece, dia 400, L=2,450mm	Nr	1						
SR 3-523	Double Flanged Piece, dia 400, L=2,990mm	Nr	1						
SR 3-524	Double Flanged Piece, dia 400, L=4,320mm	Nr	1						
SR 3-525	Double Flanged Piece, dia 400, L=5,000mm	Nr	2						
SR 3-526	Double Flanged Piece, dia 500, L=1,650mm	Nr	1						
SR 3-527	Double Flanged Piece, dia 500, L=2,530mm	Nr	1						
SR 3-528	Double Flanged Piece, dia 500, L=5,000mm	Nr	1						
SR 3-529	Double Flanged Piece with Puddle, dia 400, L=1,200mm	Nr	3						
SR 3-530	Double Flanged Piece with Puddle, dia 400, L=1,510mm	Nr	2						
SR 3-531	Double Flanged Piece with Puddle, dia 500, L=1100mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-532	Double Flanged Piece with Puddle, dia 500, L=1,450mm	Nr	1							
SR 3-533	Flanged Spigot Piece, dia 400, L=1,000mm	Nr	1							
SR 3-534	Flanged Spigot Piece, dia 400, L=1,600mm	Nr	1							
SR 3-535	Flanged Spigot Piece, dia 500, L=1,000mm	Nr	1							
SR 3-536	Flanged Spigot Piece with Puddle, dia 400, L=950mm	Nr	1							
SR 3-537	Flanged Spigot Piece with Puddle, dia 400, L=1,000mm	Nr	1							
SR 3-538	Double Flanged 90 degree Bend, dia 400 mm	Nr	8							
SR 3-539	Double Flanged 90 degree Bend, dia 500 mm	Nr	4							
SR 3-540	Double Flanged 90 degree Duckfoot Bend, dia 400 mm	Nr	3							
SR 3-541	Double Socket 90 degree Bend, dia 400 mm	Nr	1							
SR 3-542	Flanged Bellmouth, dia 200, L=170mm	Nr	2							
SR 3-543	Flanged Bellmouth, dia 400, L=240mm	Nr	2							
SR 3-544	Flanged Bellmouth, dia 500, L=275mm	Nr	2							
SR 3-545	All Flanged 400 x 400 Tee	Nr	3							
SR 3-546	All Flanged 500 x 500 Tee	Nr	1							
SR 3-547	Double Flanged 400 x 200 Taper	Nr	2							
SR 3-548	Double Flanged 400 x 300 Taper	Nr	2							
SR 3-549	Double Flanged 500 x 350 Taper	Nr	2							
SR 3-550	Double Flanged Flexible Expansion Joint, dia 400 mm	Nr	1							
SR 3-551	Flange Adapter, dia 300 mm	Nr	1							
SR 3-552	Flange Adapter, dia 350 mm	Nr	1							
SR 3-553	Flange Adapter, dia 400 mm	Nr	10							
SR 3-554	Flange Adapter, dia 500 mm	Nr	2							
SR 3-555	Collar, dia 400 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-556	Collar, dia 500 mm Dangolla as depicted in drawing No.30-C-17	Nr	3						
SR 3-557	Straight Pipe, dia 200, L=6,000mm	m	42						
SR 3-558	Straight Pipe, dia 250, L=6,000mm	m	18						
SR 3-559	Double Flanged Piece, dia 200, L=500mm	Nr	2						
SR 3-560	Double Flanged Piece, dia 200, L=490mm	Nr	1						
SR 3-561	Double Flanged Piece, dia 200, L=770mm	Nr	1						
SR 3-562	Double Flanged Piece, dia 200, L=1,190mm	Nr	1						
SR 3-563	Double Flanged Piece, dia 200, L=2,740mm	Nr	1						
SR 3-564	Double Flanged Piece, dia 200, L=3,020mm	Nr	1						
SR 3-565	Double Flanged Piece, dia 200, L=3,780mm	Nr	3						
SR 3-566	Double Flanged Piece, dia 200, L=4,570mm	Nr	2						
SR 3-567	Double Flanged Piece, dia 250, L=870mm	Nr	2						
SR 3-568	Double Flanged Piece with Puddle, dia 200, L=600mm	Nr	4						
SR 3-569	Double Flanged Piece with Puddle, dia 200, L=950mm	Nr	1						
SR 3-570	Double Flanged Piece with Puddle, dia 200, L=1,060mm	Nr	1						
SR 3-571	Double Flanged Piece with Puddle, dia 200, L=1,120mm	Nr	1						
SR 3-572	Double Flanged Piece with Puddle, dia 200, L=1,150mm	Nr	1						
SR 3-573	Double Flanged Piece with Puddle, dia 250, L=950mm	Nr	2						
SR 3-574	Flanged Spigot Piece, dia 200, L=1,050mm	Nr	1						
SR 3-575	Flanged Spigot Piece, dia 250, L=1,050mm	Nr	1						
SR 3-576	Flanged Spigot Piece with Puddle, dia 200, L=550mm	Nr	2						
SR 3-577	Double Flanged 90 degree Bend, dia 200 mm	Nr	3						
SR 3-578	Double Socket 90 degree Bend, dia 200 mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-579	Double Socket 90 degree Bend, dia 250 mm	Nr	1						
SR 3-580	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	4						
SR 3-581	Flanged Bellmouth, dia 200, L=170mm	Nr	2						
SR 3-582	Flanged Bellmouth, dia 250, L=185mm	Nr	2						
SR 3-583	All Flanged 200 x 100 Tee	Nr	2						
SR 3-584	All Flanged 200 x 200 Tee	Nr	4						
SR 3-585	All Flanged 250 x 250 Tee	Nr	1						
SR 3-586	Double Flanged 250 x 200 Taper	Nr	2						
SR 3-587	Double Flanged Flexible Expansion Sigle Joint, dia 200 mm	Nr	3						
SR 3-588	Double Flanged Flexible Expansion Sigle Joint, dia 250 mm	Nr	1						
SR 3-589	Flange Adapter, dia 200 mm	Nr	5						
SR 3-590	Flange Adapter, dia 250 mm	Nr	1						
SR 3-591	Plug, dia 200 mm	Nr	1						
SR 3-592	Plug, dia 250 mm	Nr	1						
SR 3-593	Collar, dia 200 mm	Nr	6						
SR 3-594	Collar, dia 250 mm	Nr	2						
	Heerassagala Low as depicted in drawing No.30-C-20								
SR 3-595	Socket Plain End Piece, dia 350, L=930mm	Nr	1						
SR 3-596	Double Flanged Piece, dia 150, L=830mm	Nr	1						
SR 3-597	Double Flanged Piece, dia 200, L=500mm	Nr	1						
SR 3-598	Double Flanged Piece, dia 200, L=600mm	Nr	1						
SR 3-599	Double Flanged Piece, dia 200, L=1,500mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-600	Double Flanged Piece, dia 350, L=1,000mm	Nr	1						
SR 3-601	Double Flanged Piece, dia 350, L=1,100mm	Nr	1						
SR 3-602	Double Flanged Piece, dia 350, L=1,840mm	Nr	1						
SR 3-603	Double Flanged Piece, dia 350, L=2,175mm	Nr	1						
SR 3-604	Double Flanged Piece, dia 350, L=2,475mm	Nr	1						
SR 3-605	Double Flanged Piece, dia 350, L=2,700mm	Nr	1						
SR 3-606	Double Flanged Piece, dia 350, L=3,080mm	Nr	1						
SR 3-607	Double Flanged Piece with Puddle, dia 150, L=1,010mm	Nr	1						
SR 3-608	Double Flanged Piece with Puddle, dia 250, L=800mm	Nr	1						
SR 3-609	Double Flanged Piece with Puddle, dia 250, L=980mm	Nr	1						
SR 3-610	Double Flanged Piece with Puddle, dia 350, L=550mm	Nr	1						
SR 3-611	Double Flanged Piece with Puddle, dia 350, L=800mm	Nr	2						
SR 3-612	Double Flanged Piece with Puddle, dia 350, L=1,185mm	Nr	1						
SR 3-613	Flanged Spigot Piece with Puddle, dia 350, L=800mm	Nr	1						
SR 3-614	Flanged Spigot Piece, dia 250, L=1,000mm	Nr	2						
SR 3-615	Flanged Spigot Piece, dia 350, L=1,000mm	Nr	2						
SR 3-616	Flanged Spigot Piece, dia 350, L=1,660mm	Nr	1						
SR 3-617	Double Flanged 22.5 degree Bend, dia 250 mm	Nr	1						
SR 3-618	Double Flanged 22.5 degree Bend, dia 350 mm	Nr	2						
SR 3-619	Double Flanged 90 degree Bend, dia 150 mm	Nr	2						
SR 3-620	Double Flanged 90 degree Bend, dia 250 mm	Nr	1						
SR 3-621	Double Flanged 90 degree Bend, dia 350 mm	Nr	3						
SR 3-622	Double Flanged 90 degree Duckfoot Bend, dia 350 mm	Nr	1						
SR 3-623	Flanged Bellmouth, dia 150, L=150mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-624	Flanged Bellmouth, dia 250, L=185mm	Nr	1							
SR 3-625	Flanged Bellmouth, dia 350, L=220mm	Nr	1							
SR 3-626	All Flanged 150 x 100 Tee	Nr	1							
SR 3-627	All Flanged 200 x 200 Tee	Nr	1							
SR 3-628	All Flanged 350 x 200 Tee	Nr	1							
SR 3-629	All Flanged 350 x 350 Tee	Nr	1							
SR 3-630	Double Flanged 200 x 150 Taper	Nr	1							
SR 3-631	Double Flanged 250 x 200 Taper	Nr	2							
SR 3-632	Double Flanged 350 x 200 Taper	Nr	1							
SR 3-633	Flange Adapter, dia 150 mm	Nr	2							
SR 3-634	Flange Adapter, dia 200 mm	Nr	2							
SR 3-635	Flange Adapter, dia 350 mm	Nr	4							
SR 3-636	Collar, dia 250 mm	Nr	1							
SR 3-637	Collar, dia 350 mm	Nr	1							
	Heerassagala Middle as depicted in drawing No.30-C-21									
SR 3-638	Straight Pipe, dia 200, L=6,000mm	m	42							
SR 3-639	Double Flanged Piece, dia 200, L=560mm	Nr	1							
SR 3-640	Double Flanged Piece, dia 200, L=660mm	Nr	2							
SR 3-641	Double Flanged Piece, dia 200, L=750mm	Nr	1							
SR 3-642	Double Flanged Piece, dia 200, L=800mm	Nr	1							
SR 3-643	Double Flanged Piece, dia 200, L=950mm	Nr	2							
SR 3-644	Double Flanged Piece, dia 200, L=1,000mm	Nr	1							
SR 3-645	Double Flanged Piece, dia 200, L=1,440mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-646	Double Flanged Piece, dia 200, L=1,580mm	Nr	1						
SR 3-647	Double Flanged Piece, dia 200, L=4,570mm	Nr	2						
SR 3-648	Double Flanged Piece, dia 250, L=1,100mm	Nr	2						
SR 3-649	Double Flanged Piece with Puddle, dia 200, L=550mm	Nr	1						
SR 3-650	Double Flanged Piece with Puddle, dia 200, L=640mm	Nr	1						
SR 3-651	Double Flanged Piece with Puddle, dia 200, L=650mm	Nr	1						
SR 3-652	Double Flanged Piece with Puddle, dia 200, L=700mm	Nr	3						
SR 3-653	Double Flanged Piece with Puddle, dia 250, L=720mm	Nr	2						
SR 3-654	Double Flanged Piece with Puddle, dia 200, L=980mm	Nr	1						
SR 3-655	Flanged Spigot Piece, dia 200, L=600mm	Nr	1						
SR 3-656	Flanged Spigot Piece, dia 200, L=950mm	Nr	1						
SR 3-657	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1						
SR 3-658	Flanged Spigot Piece, dia 200, L=1,830mm	Nr	1						
SR 3-659	Flanged Spigot Piece with Puddle, dia 200, L=500mm	Nr	2						
SR 3-660	Double Flanged 22.5 degree Bend, dia 200 mm	Nr	1						
SR 3-661	Double Flanged 45 degree Bend, dia 250 mm	Nr	2						
SR 3-662	Double Flanged 90 degree Bend, dia 200 mm	Nr	2						
SR 3-663	Double Flanged 90 degree Bend, dia 250 mm	Nr	3						
SR 3-664	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	3						
SR 3-665	Double Socket 22.5 degree Bend, dia 200 mm	Nr	1						
SR 3-666	Double Socket 90 degree Bend, dia 200 mm	Nr	2						
SR 3-667	Flanged Bellmouth, dia 200, L=170mm	Nr	2						
SR 3-668	Flanged Bellmouth, dia 250, L=185mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-669	All Flanged 200 x 150 Tee	Nr	1							
SR 3-670	All Flanged 200 x 200 Tee	Nr	4							
SR 3-671	All Flanged 250 x 250 Tee	Nr	1							
SR 3-672	Dobule Flanged 250 x 200 Taper	Nr	2							
SR 3-673	Double Flanged Flexible Expansion Joint, dia 200 mm	Nr	2							
SR 3-674	Double Flanged Flexible Expansion Joint, dia 250 mm	Nr	1							
SR 3-675	Flange Adapter, dia 200 mm	Nr	7							
SR 3-676	Flange Adapter, dia 250 mm	Nr	4							
SR 3-677	Collar, dia 200 mm	Nr	3							
	Heerassagala Upper as depicted in drawing No.30-C-22									
SR 3-678	Straight Pipe, dia 150, L=6,000mm	m	12							
SR 3-679	Straight Pipe, dia 200, L=6,000mm	m	6							
SR 3-680	Double Flanged Piece, dia 80, L=655mm	Nr	1							
SR 3-681	Double Flanged Piece, dia 100, L=300mm	Nr	1							
SR 3-682	Double Flanged Piece, dia 150, L=700mm	Nr	1							
SR 3-683	Double Flanged Piece, dia 150, L=2,220mm	Nr	1							
SR 3-684	Double Flanged Piece, dia 150, L=2,290mm	Nr	1							
SR 3-685	Double Flanged Piece, dia 150, L=2,620mm	Nr	1							
SR 3-686	Double Flanged Piece, dia 150, L=3,980mm	Nr	1							
SR 3-687	Double Flanged Piece, dia 150, L=4,430mm	Nr	1							
SR 3-688	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	1							
SR 3-689	Double Flanged Piece with Puddle, dia 150, L=800mm	Nr	1							
SR 3-690	Double Flanged Piece with Puddle, dia 150, L=1,120mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-691	Double Flanged Piece with Puddle, dia 200, L=800mm	Nr	1							
SR 3-692	Flanged Spigot Piece, dia 150, L=650mm	Nr	1							
SR 3-693	Flanged Spigot Piece, dia 150, L=800mm	Nr	1							
SR 3-694	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1							
SR 3-695	Flanged Spigot Piece with Puddle, dia 150, L=1,050mm	Nr	1							
SR 3-696	Double Flanged 45 degree Bend, dia 150 mm	Nr	1							
SR 3-697	Double Flanged 45 degree Bend, dia 200 mm	Nr	1							
SR 3-698	Double Flanged 90 degree Bend, dia 80 mm	Nr	1							
SR 3-699	Double Flanged 90 degree Bend, dia 150 mm	Nr	4							
SR 3-700	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	2							
SR 3-701	Double Socket 22.5 degree Bend, dia 150 mm	Nr	2							
SR 3-702	Double Socket 22.5 degree Bend, dia 200 mm	Nr	1							
SR 3-703	Flanged Bellmouth, dia 80, L=130mm	Nr	1							
SR 3-704	Flanged Bellmouth, dia 150, L=150mm	Nr	1							
SR 3-705	Flanged Bellmouth, dia 200, L=170mm	Nr	1							
SR 3-706	All Flanged 150 x 100 Tee	Nr	1							
SR 3-707	All Flanged 150 x 150 Tee	Nr	2							
SR 3-708	All Flanged 200 x 150 Tee	Nr	1							
SR 3-709	Double Flanged 150 x 80 Taper	Nr	1							
SR 3-710	Dobule Flanged 200 x 100 Taper	Nr	2							
SR 3-711	Flange Adapter, dia 100 mm	Nr	1							
SR 3-712	Flange Adapter, dia 150 mm	Nr	5							
SR 3-713	Collar, dia 150 mm	Nr	4							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-714	Collar, dia 200 mm Hantana Place as depicted in drawing No.30-C-23	Nr	2							
SR 3-715	Straight Pipe, dia 200, L=6,000mm	m	18							
SR 3-716	Double Flanged Piece, dia 100, L=605mm	Nr	1							
SR 3-717	Double Flanged Piece, dia 200, L=700mm	Nr	1							
SR 3-718	Double Flanged Piece, dia 200, L=780mm	Nr	3							
SR 3-719	Double Flanged Piece, dia 200, L=1,190mm	Nr	1							
SR 3-720	Double Flanged Piece, dia 200, L=2,110mm	Nr	1							
SR 3-721	Double Flanged Piece, dia 200, L=2,190mm	Nr	1							
SR 3-722	Double Flanged Piece, dia 200, L=2,290mm	Nr	1							
SR 3-723	Double Flanged Piece, dia 200, L=2,390mm	Nr	1							
SR 3-724	Double Flanged Piece, dia 200, L=4,320mm	Nr	1							
SR 3-725	Double Flanged Piece with Puddle, dia 200, L=550mm	Nr	1							
SR 3-726	Double Flanged Piece with Puddle, dia 200, L=600mm	Nr	1							
SR 3-727	Double Flanged Piece with Puddle, dia 200, L=905mm	Nr	2							
SR 3-728	Double Flanged Piece with Puddle, dia 200, L=1,115mm	Nr	1							
SR 3-729	Flange Spigot Piece with Puddle, dia 200, L=625mm	Nr	1							
SR 3-730	Flanged Spigot Piece with Puddle, dia 200, L=775mm	Nr	1							
SR 3-731	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	1							
SR 3-732	Flanged Spigot Piece, dia 200, L=1,350mm	Nr	1							
SR 3-733	Double Flanged 90 degree Bend, dia 100 mm	Nr	1							
SR 3-734	Double Flanged 90 degree Bend, dia 200 mm	Nr	6							
SR 3-735	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-736	Dobule Socket 45 degree Bend, dia 200 mm	Nr	3							
SR 3-737	Double Socket 90 degree Bend, dia 200 mm	Nr	3							
SR 3-738	Flanged Bellmouth, dia 100, L=135mm	Nr	1							
SR 3-739	Flanged Bellmouth, dia 200, L=170mm	Nr	3							
SR 3-740	All Flanged 200 x 100 Tee	Nr	2							
SR 3-741	All Flanged 200 x 200 Tee	Nr	5							
SR 3-742	Double Flanged 200 x 100 Taper	Nr	1							
SR 3-743	Flange Adapter, dia 125 mm	Nr	2							
SR 3-744	Flange Adapter, dia 200 mm	Nr	6							
SR 3-745	Blank Flange, dia 200 mm	Nr	1							
SR 3-746	Collar, dia 200 mm	Nr	7							
	Ampitiya as depicted in drawing No.30-C-24									
SR 3-747	Straight Pipe, dia 150, L=6,000mm	m	73							
SR 3-748	Straight Pipe, dia 200, L=6,000mm	m	58							
SR 3-749	Straight Pipe, dia 250, L=6,000mm	m	7							
SR 3-750	Straight Pipe, dia 300, L=6,000mm	m	24							
SR 3-751	Double Flanged Piece, dia 150, L=1,850mm	Nr	1							
SR 3-752	Double Flanged Piece, dia 250, L=400mm	Nr	1							
SR 3-753	Double Flanged Piece, dia 250, L=2,090mm	Nr	1							
SR 3-754	Double Flanged Piece, dia 300, L=1,250mm	Nr	1							
SR 3-755	Double Flanged Piece with Puddle, dia 300, L=1,200mm	Nr	1							
SR 3-756	Flanged Spigot Piece, dia 150, L=1,000mm	Nr	1							
SR 3-757	Flanged Spigot Piece (PN 25), dia 150, L=1,000mm	Nr	1							
SR 3-758	Flanged Spigot Piece, dia 150, L=700mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-759	Flanged Spigot Piece, dia 200, L=500mm	Nr	1							
SR 3-760	Flanged Spigot Piece, dia 250, L=800mm	Nr	1							
SR 3-761	Flanged Spigot Piece, dia 250, L=1,000mm	Nr	1							
SR 3-762	Flanged Spigot Piece, dia 300, L=1,000mm	Nr	1							
SR 3-763	Double Flanged 11.25 degree Bend, dia 150 mm	Nr	1							
SR 3-764	Double Flanged 11.25 degree Bend, dia 200 mm	Nr	1							
SR 3-765	Double Flanged 22.5 degree Bend, dia 150 mm	Nr	1							
SR 3-766	Double Flanged 90 degree Bend, dia 150 mm	Nr	1							
SR 3-767	Double Flanged 90 degree Bend, dia 250 mm	Nr	2							
SR 3-768	Double Flanged 90 degree Bend, dia 300 mm	Nr	1							
SR 3-769	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	1							
SR 3-770	Double Flanged 90 degree Duckfoot Bend, dia 250 mm	Nr	2							
SR 3-771	Double Flanged 90 degree Duckfoot Bend, dia 300 mm	Nr	1							
SR 3-772	Double Socket 11.25 degree Bend, dia 150 mm	Nr	1							
SR 3-773	Double Socket 11.25 degree Bend, dia 200 mm	Nr	1							
SR 3-774	Double Socket 11.25 degree Bend, dia 250 mm	Nr	2							
SR 3-775	Double Socket 11.25 degree Bend, dia 300 mm	Nr	1							
SR 3-776	Double Socket 22.5 degree Bend, dia 150 mm	Nr	3							
SR 3-777	Double Socket 22.5 degree Bend, dia 200 mm	Nr	2							
SR 3-778	Double Socket 22.5 degree Bend, dia 250 mm	Nr	1							
SR 3-779	Double Socket 22.5 degree Bend, dia 300 mm	Nr	1							
SR 3-780	Double Socket 45 degree Bend, dia 150 mm	Nr	3							
SR 3-781	Double Socket 45 degree Bend, dia 200 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-782	Double Socket 45 degree Bend, dia 250 mm	Nr	3							
SR 3-783	Double Socket 45 degree Bend, dia 300 mm	Nr	1							
SR 3-784	All Flanged 150 x 150 Tee	Nr	1							
SR 3-785	All Socket 250 x 250 Tee	Nr	1							
SR 3-786	Connection Adaptor (PVC/DI), dia 200 mm	Nr	1							
SR 3-787	Restrained Gland/Joint, dia. 150mm (K-Type)	Nr	4							
SR 3-788	Restrained Coupling/Joint, dia. 150mm (T-Type)	Nr	21							
SR 3-789	Collar, dia 150 mm	Nr	5							
SR 3-790	Collar, dia 200 mm	Nr	2							
SR 3-791	Collar, dia 250 mm	Nr	4							
SR 3-792	Collar, dia 300 mm	Nr	1							
	Mullepihilla Low New as depicted in drawing No.30-C-26									
SR 3-793	Plain Ends Piece, dia 150, L=800mm	Nr	1							
SR 3-794	Plain Ends Piece with Puddle, dia 150, L=700mm	Nr	1							
SR 3-795	Double Flanged Piece, dia 80, L=655mm	Nr	1							
SR 3-796	Double Flanged Piece, dia 100, L=570mm	Nr	1							
SR 3-797	Double Flanged Piece, dia 150, L=450mm	Nr	1							
SR 3-798	Double Flanged Piece, dia 150, L=600mm	Nr	1							
SR 3-799	Double Flanged Piece, dia 150, L=1,040mm	Nr	1							
SR 3-800	Double Flanged Piece, dia 150, L=1,110mm	Nr	1							
SR 3-801	Double Flanged Piece, dia 150, L=3,500mm	Nr	1							
SR 3-802	Double Flanged Piece, dia 150, L=4,430mm	Nr	1							
SR 3-803	Double Flanged Piece with Puddle, dia 150, L=600mm	Nr	2							
SR 3-804	Double Flanged Piece with Puddle, dia 150, L=800mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-805	Double Flanged Piece with Puddle, dia 150, L=920mm	Nr	1						
SR 3-806	Flanged Spigot Piece, dia 150, L=600mm	Nr	1						
SR 3-807	Flanged Spigot Piece with Puddle, dia 150, L=780mm	Nr	1						
SR 3-808	Flanged Spigot Piece with Puddle, dia 150, L=850mm	Nr	1						
SR 3-809	Flanged Spigot Piece with Puddle, dia 150, L=2,000mm	Nr	1						
SR 3-810	Double Flanged 90 degree Bend, dia 80 mm	Nr	1						
SR 3-811	Double Flanged 90 degree Bend, dia 150 mm	Nr	2						
SR 3-812	Double Flanged 90 degree Duckfoot Bend, dia 150 mm	Nr	2						
SR 3-813	Flanged Bellmouth, dia 80, L=130mm	Nr	1						
SR 3-814	Flanged Bellmouth, dia 150, L=150mm	Nr	2						
SR 3-815	All Flanged 100 x 100 Tee	Nr	1						
SR 3-816	All Flanged 150 x 100 Tee	Nr	2						
SR 3-817	All Flanged 150 x 150 Tee	Nr	1						
SR 3-818	Double Flanged 150 x 80 Taper	Nr	1						
SR 3-819	Double Flanged 150 x 100 Taper	Nr	2						
SR 3-820	Double Flanged Flexible Expansion Joint, dia 150 mm	Nr	2						
SR 3-821	Flange Adapter, dia 150 mm	Nr	4						
SR 3-822	Collar, dia 150 mm	Nr	3						
	Elhena as depicted in drawing No.30-C-27								
SR 3-823	Straight Pipe, dia 200, L=6,000mm	m	12						
SR 3-824	Straight Pipe, dia 250, L=6,000mm	m	6						
SR 3-825	Double Flanged Piece, dia 80, L=655mm	Nr	2						
SR 3-826	Double Flanged Piece, dia 200, L=600mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-827	Double Flanged Piece, dia 200, L=700mm	Nr	2							
SR 3-828	Double Flanged Piece, dia 200, L=1,290mm	Nr	2							
SR 3-829	Double Flanged Piece, dia 200, L=2,680mm	Nr	2							
SR 3-830	Double Flanged Piece, dia 200, L=3,640mm	Nr	2							
SR 3-831	Double Flanged Piece, dia 200, L=4,270mm	Nr	2							
SR 3-832	Double Flanged Piece, dia 250, L=550mm	Nr	1							
SR 3-833	Double Flanged Piece, dia 250, L=600mm	Nr	2							
SR 3-834	Double Flanged Piece, dia 250, L=4,200mm	Nr	2							
SR 3-835	Double Flanged Piece with Puddle, dia 100, L=775mm	Nr	1							
SR 3-836	Double Flanged Piece with Puddle, dia 200, L=600mm	Nr	2							
SR 3-837	Double Flanged Piece with Puddle, dia 200, L=700mm	Nr	1							
SR 3-838	Double Flanged Piece with Puddle, dia 200, L=740mm	Nr	1							
SR 3-839	Double Flanged Piece with Puddle, dia 250, L=1,020mm	Nr	2							
SR 3-840	Flanged Socket Piece, dia 200 mm	Nr	1							
SR 3-841	Flanged Spigot Piece, dia 200, L=950mm	Nr	2							
SR 3-842	Flanged Spigot Piece, dia 200, L=965mm	Nr	2							
SR 3-843	Flanged Spigot Piece, dia 200, L=1,000mm	Nr	2							
SR 3-844	Flanged Spigot Piece, dia 200, L=1,140mm	Nr	1							
SR 3-845	Flanged Spigot Piece, dia 200, L=1,530mm	Nr	1							
SR 3-846	Flanged Spigot Piece, dia 250, L=600mm	Nr	1							
SR 3-847	Flanged Spigot Piece, dia 250, L=1,000mm	Nr	2							
SR 3-848	Flanged Spigot Piece with Puddle, dia 200, L=750mm	Nr	2							
SR 3-849	Flanged Spigot Piece with Puddle, dia 200, L=860mm	Nr	2							
SR 3-850	Double Flanged 22.5 degreeBend, dia 100 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-851	Double Flanged 22.5 degree Bend, dia 150 mm	Nr	1							
SR 3-852	Double Flanged 90 degree Bend, dia 80 mm	Nr	2							
SR 3-853	Double Flanged 90 degree Bend, dia 200 mm	Nr	6							
SR 3-854	Double Flanged 90 degree Bend, dia 250 mm	Nr	2							
SR 3-855	Double Flanged 90 degree Duckfoot Bend, dia 200 mm	Nr	5							
SR 3-856	Double Flanged 90 degree Duckfoot Bend, dia 250 mm	Nr	1							
SR 3-857	Double Socket 22.5 degree Bend, dia 200 mm	Nr	1							
SR 3-858	Double Socket 90 degree Bend, dia 200 mm	Nr	3							
SR 3-859	Double Socket 90 degree Bend, dia 250 mm	Nr	2							
SR 3-860	Flanged Bellmouth, dia 80, L=130mm	Nr	2							
SR 3-861	Flanged Bellmouth, dia 200, L=170mm	Nr	2							
SR 3-862	Flanged Bellmouth, dia 250, L=185mm	Nr	2							
SR 3-863	All Flanged 200 x 100 Tee	Nr	2							
SR 3-864	All Flanged 200 x 200 Tee	Nr	4							
SR 3-865	All Flanged 250 x 250 Tee	Nr	1							
SR 3-866	Double Flanged 150 x 80 Taper	Nr	2							
SR 3-867	Double Flanged 200 x 100 Taper	Nr	2							
SR 3-868	Dobule Flanged 250 x 150 Taper	Nr	2							
SR 3-869	Double Flanged Flexible Expansion Joint, dia 200 mm	Nr	1							
SR 3-870	Double Flanged Flexible Expansion Joint, dia 250 mm	Nr	1							
SR 3-871	Flange Adapter, dia 100 mm	Nr	1							
SR 3-872	Flange Adapter, dia 125 mm	Nr	1							
SR 3-873	Flange Adapter, dia 200 mm	Nr	8							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-874	Flange Adapter, dia 250 mm	Nr	4							
SR 3-875	Collar, dia 200 mm	Nr	5							
	<u>VALVES</u> Kurugoda as depicted in drawing No.30-C-01									
SR 3-876	Sluice Valve, dia 150 mm	Nr	2							
SR 3-877	Sluice Valve, dia 200 mm	Nr	2							
SR 3-878	Sluice Valve, dia 300 mm	Nr	2							
SR 3-879	Butterfly Valve, dia 350 mm	Nr	2							
SR 3-880	Butterfly Float Valve, dia 125 mm (SUS)	Nr	2							
SR 3-881	Ball Valve, dia 100 mm	Nr	2							
SR 3-882	Single Orifice Air Valve, dia 100 mm	Nr	2							
SR 3-883	Flow Meter, dia 150 mm	Nr	1							
SR 3-884	Flow Meter, dia 200 mm	Nr	1							
SR 3-885	Toothed Vane Butterfly Valve, dia 150 mm	Nr	1							
	Akurana as depicted in drawing No.30-C-02									
SR 3-886	Sluice Valve, dia 200 mm	Nr	2							
SR 3-887	Float Valve , dia 200 mm	Nr	2							
SR 3-888	Flow Meter, dia 150 mm	Nr	1							
SR 3-889	Toothed Vane Vale, dia 200 mm	Nr	1							
	Thelambugahawatta as depicted in drawing No.30-C-03									
SR 3-890	Sluice Valve, dia 200 mm	Nr	3							
SR 3-891	Sluice Valve, dia 250 mm	Nr	2							
SR 3-892	Butterfly Float Valve, dia 125 mm (SUS)	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-893	Flow Meter, dia 125 mm	Nr	1							
SR 3-894	Flow Meter, dia 200 mm	Nr	1							
SR 3-895	Toothed Vane Butterfly Valve, dia 200 mm	Nr	1							
	Kahawatta as depicted in drawing No.30-C-04									
SR 3-896	Sluice Valve, dia 300 mm	Nr	3							
SR 3-897	Butterfly Valve, dia 400 mm	Nr	2							
SR 3-898	Butterfly Valve, dia 500 mm	Nr	1							
SR 3-899	Butterfly Float Valve, dia 300 mm (SUS)	Nr	1							
SR 3-900	Flow Meter, dia 200 mm	Nr	1							
SR 3-901	Flow Meter, dia 400 mm	Nr	1							
SR 3-902	Toothed Vane Butterfly Valve, dia 400 mm	Nr	1							
	Kahalla as depicted in drawing No.30-C-05									
SR 3-903	Sluice Valve, dia 150 mm	Nr	1							
SR 3-904	Sluice Valve, dia 200 mm	Nr	3							
SR 3-905	Butterfly Float Valve, dia 125 mm (SUS)	Nr	1							
SR 3-906	Flow Meter, dia 150 mm	Nr	1							
SR 3-907	Flow Meter, dia 200 mm	Nr	1							
SR 3-908	Toothed Vane Butterfly Valve, dia 200 mm	Nr	1							
	Bangalawatta as depicted in drawing N0.30-C-07									
SR 3-909	Sluice Valve, dia 150 mm	Nr	6							
SR 3-910	Sluice Valve, dia 200 mm	Nr	3							
SR 3-911	Sluice Valve, dia 250 mm	Nr	4							
SR 3-912	Ball Valve, dia 100 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-913	Butterfly Float Valve, dia 100 mm (SUS)	Nr	2							
SR 3-914	Flow Meter, dia 125 mm	Nr	1							
SR 3-915	Flow Meter, dia 200 mm	Nr	1							
SR 3-916	Single Orifice Air Valve, dia 100 mm	Nr	2							
SR 3-917	Toothed Vane Butterfly Valve, dia 150 mm	Nr	1							
	Pihilladeniya as depicted in drawing N0.30-C-08									
SR 3-918	Sluice Valve, dia 100 mm	Nr	2							
SR 3-919	Sluice Valve, dia 150 mm	Nr	1							
SR 3-920	Sluice Valve, dia 200 mm	Nr	4							
SR 3-921	Ball Valve, dia 100 mm	Nr	1							
SR 3-922	Butterfly Float Valve, dia 80 mm (SUS)	Nr	1							
SR 3-923	Flow Meter, dia 100 mm	Nr	2							
SR 3-924	Flow Meter, dia 125 mm	Nr	1							
SR 3-925	Single Orifice Air Valve, dia 100 mm	Nr	1							
	Kurugamma as depicted in drawing No.30-C-09									
SR 3-926	Sluice Valve, dia 150 mm	Nr	2							
SR 3-927	Sluice Valve, dia 200 mm	Nr	1							
SR 3-928	Sluice Valve, dia 250 mm	Nr	1							
SR 3-929	Ball Valve, dia 150 mm	Nr	1							
SR 3-930	Butterfly Float Valve, dia 100 mm (SUS)	Nr	1							
SR 3-931	Flow Meter, dia 150 mm	Nr	1							
SR 3-932	Single Orifice Air Valve, dia 150 mm	Nr	1							
	Kondadeniya as depicted in drawing No.30-C-10									
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-933	Sluice Valve, dia 200 mm	Nr	4						
SR 3-934	Ball Valve, dia 100 mm	Nr	1						
SR 3-935	Butterfly Float Valve, dia 125 mm (SUS)	Nr	1						
SR 3-936	Flow Meter, dia 200 mm	Nr	3						
SR 3-937	Single Orifice Air Valve, dia 100 mm	Nr	1						
SR 3-938	Toothed Vane Butterfly Valve, dia 200 mm Gohagoda as depicted in drawing No.30-C-12	Nr	1						
SR 3-939	Sluice Valve, dia 150 mm	Nr	6						
SR 3-940	Ball Valve, dia 150 mm	Nr	1						
SR 3-941	Butterfly Float Valve, dia 80 mm (SUS)	Nr	1						
SR 3-942	Flow Meter, dia 65 mm	Nr	1						
SR 3-943	Flow Meter, dia 80 mm	Nr	1						
SR 3-944	Flow Meter, dia 125 mm	Nr	1						
SR 3-945	Single Orifice Air Valve, dia 150 mm	Nr	1						
SR 3-946	Toothed Vane Butterfly Valve, dia 150 mm Asgiriya as depicted in drawing No.30-C-13	Nr	1						
SR 3-947	Butterfly Float Valve, dia 350 mm (SUS)	Nr	2						
SR 3-948	Butterfly Valve, dia 450 mm	Nr	2						
SR 3-949	Butterfly Valve, dia 500 mm	Nr	4						
SR 3-950	Butterfly Valve, dia 600 mm	Nr	2						
SR 3-951	Flow Meter, dia 450 mm	Nr	1						
SR 3-952	Flow Meter, dia 500 mm	Nr	1						
SR 3-953	Toothed Vane Butterfly Valve, dia 500 mm	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	Bahirawakanda as depicted in drawing No.30-C-15									
SR 3-954	Sluice Valve, dia 150 mm	Nr	2							
SR 3-955	Sluice Valve, dia 250 mm	Nr	5							
SR 3-956	Butterfly Float Valve, dia 125 mm (SUS)	Nr	1							
SR 3-957	Flow Meter, dia 150 mm	Nr	2							
	Uplands as depicted in drawing No.30-C-16									
SR 3-958	Butterfly Valve, dia 400 mm	Nr	4							
SR 3-959	Butterfly Valve, dia 500 mm	Nr	2							
SR 3-960	Butterfly Float Valve, dia 200 mm (SUS)	Nr	2							
SR 3-961	Flow Meter, dia 300 mm	Nr	1							
SR 3-962	Flow Meter, dia 350 mm	Nr	1							
SR 3-963	Toothed Vane Butterfly Valve, dia 300 mm	Nr	1							
	Dangolla as depicted in drawing No.30-C-18									
SR 3-964	Sluice Valve, dia 200 mm	Nr	4							
SR 3-965	Sluice Valve, dia 250 mm	Nr	2							
SR 3-966	Ball Valve, dia 100 mm	Nr	2							
SR 3-967	Butterfly Float Valve, dia 125 mm (SUS)	Nr	2							
SR 3-968	Flow Meter, dia 200 mm	Nr	1							
SR 3-969	Single Orifice Air Valve, dia 100 mm	Nr	2							
	Heerassagala Low as depicted in drawing No.30-C-19									
SR 3-970	Sluice Valve, dia 200 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3-971	Butterfly Valve, dia 350 mm	Nr	2						
SR 3-972	Ball Valve, dia 100 mm	Nr	1						
SR 3-973	Butterfly Float Valve, dia 150 mm (SUS)	Nr	1						
SR 3-974	Single Orifice Air Valve, dia 100 mm	Nr	1						
SR 3-975	Flow Meter, dia 200 mm	Nr	1						
	Heerassagala Middle as depicted in drawing No.30-C-20								
SR 3-976	Sluice Valve, dia 150 mm	Nr	1						
SR 3-977	Sluice Valve, dia 200 mm	Nr	5						
SR 3-978	Sluice Valve, dia 250 mm	Nr	2						
SR 3-979	Butterfly Float Valve, dia 125 mm (SUS)	Nr	2						
SR 3-980	Flow Meter, dia 200 mm	Nr	1						
	Heerassagala Upper as depicted in drawing No.30-C-21								
SR 3-981	Sluice Valve, dia 150 mm	Nr	3						
SR 3-982	Sluice Valve, dia 200 mm	Nr	1						
SR 3-983	Ball Valve, dia 150 mm	Nr	1						
SR 3-984	Butterfly Float Valve, dia 80 mm (SUS)	Nr	1						
SR 3-985	Single Orifice Air Valve, dia 150 mm	Nr	1						
SR 3-986	Flow Meter, dia 100 mm	Nr	1						
	Hantana Place as depicted in drawing No.30-C-22								
SR 3-987	Sluice Valve, dia 125 mm	Nr	1						
SR 3-988	Sluice Valve, dia 200 mm	Nr	6						
SR 3-989	Ball Valve, dia 100 mm	Nr	2						
SR 3-990	Butterfly Float Valve, dia 100 mm (SUS)	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 3: Supply of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 3-991	Single Orifice Air Valve, dia 100 mm	Nr	3							
SR 3-992	Flow Meter, dia 125 mm Ampitiya as depicted in drawing No.30-C-23	Nr	2							
SR 3-993	Butterfly Float Valve, dia 300 mm Mullepihilla Low New as depicted in drawing No.30-C-25	Nr	1							
SR 3-994	Sluice Valve, dia 150 mm	Nr	5							
SR 3-995	Ball Valve, dia 150 mm	Nr	1							
SR 3-996	Butterfly Float Valve, dia 80 mm (SUS)	Nr	1							
SR 3-997	Flow Meter, dia 100 mm	Nr	1							
SR 3-998	Flow Meter, dia 125 mm	Nr	1							
SR 3-999	Single Orifice Air Valve, dia 150 mm Elhena as depicted in drawing No.30-C-26	Nr	1							
SR3-1000	Sluice Valve, dia 100 mm	Nr	1							
SR3-1001	Sluice Valve, dia 200 mm	Nr	4							
SR3-1002	Sluice Valve, dia 250 mm	Nr	2							
SR3-1003	Ball Valve, dia 100 mm	Nr	2							
SR3-1004	Butterfly Float Valve, dia 80 mm (SUS)	Nr	2							
SR3-1005	Flow Meter, dia 100 mm	Nr	1							
SR3-1006	Flow Meter, dia 125 mm	Nr	1							
SR3-1007	Single Orifice Air Valve, dia 100 mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Supply and Delivery at site all SP/PVC/HP pipes and fittings including rubber rings, jointing materials and all other associated materials required for complete installation</p> <p>All SP/PVC pipes and fittings shall be with rubber ring joints unless specified All PVC pipes & fittings shall be Type 1000 All steel flanges shall be PN 10</p> <p>Kurugoda as depicted in drawing No.30-C-01</p>						
SR 4 - 1	Double Flanged 150 x 125 Taper	Nr	2				
SR 4 - 2	Double Flanged 90 degree Bend, dia 125, L=400mm	Nr	2				
SR 4 - 3	Double Flanged Piece, dia 125, L=610mm	Nr	2				
SR 4 - 4	Flanged Bellmouth, dia 125, L=150mm	Nr	2				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4 - 5	Hume Pipe, dia 350 mm	m	235				
	Akurana as depicted in drawing No.30-C-02						
SR 4 - 6	Straight Pipe, dia. 225mm (PVC)	m	5				
	Thelambugahawatta as depicted in drawing No.30-C-03						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4 - 7	Double Flanged Piece, dia 125, L=400mm	Nr	1				
SR 4 - 8	Double Flanged Piece, dia 125, L=1,150mm	Nr	1				
SR 4 - 9	Double Flanged 150 x 125 Taper	Nr	3				
SR 4- 10	Flanged Bellmouth, dia 125, L=150mm	Nr	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 11	Hume Pipe, dia 250 mm Kahawatta as depicted in drawing No.30-C-04	m	677				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 12	Hume Pipe, dia 500 mm Kahalla as depicted in drawing No.30-C-05	m	746				
SR 4- 13	Double Flanged 200 x 125 Taper	Nr	1				
SR 4- 14	Double Flanged Piece, dia 125, length 1630 mm	Nr	1				
SR 4- 15	Flanged Bellmouth, dia 125, length 150 mm	Nr	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4- 16	Straight Pipe, dia. 225mm (PVC) Bangalawatta as depicted in drawing N0.30-C-07	m	83				
SR 4- 17	Double Flanged Piece, dia 125, L=1,000mm	Nr	1				
SR 4- 18	Double Flanged 150 x 125 Taper	Nr	2				
SR 4- 19	Plain Ends Piece, dia 280, L=1000mm (PVC) <u>Extra over for Overflow/Drainage pipe</u>	m	1				
SR 4- 20	Hume Pipe, dia 250 mm Pihilladeniya as depicted in drawing N0.30-C-08	m	55				
SR 4- 21	Double Flanged Piece, dia 125, L=400mm	Nr	1				
SR 4- 22	Double Flanged 200 x 125 Taper <u>Extra over for Overflow/Drainage pipe</u>	Nr	2				
SR 4- 23	Straight Pipe, dia. 225mm (PVC) Kurugammana as depicted in drawing No.30-C-09 <u>Extra over for Overflow/Drainage pipe</u>	m	70				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4- 24	Straight Pipe, dia. 160mm (PVC) Kondadeniya as depicted in drawing No.30-C-10	m	650				
SR 4- 25	Double Flanged Piece, dia 125, L=610mm	Nr	1				
SR 4- 26	Double Flanged 200 x 125 Taper	Nr	1				
SR 4- 27	Double Flanged 90 degree Bend, dia 125, L=400mm	Nr	1				
SR 4- 28	Flanged Bellmouth, dia 125, L=150mm	Nr	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 29	Straight Pipe, dia. 225mm (PVC) Gohagoda as depicted in drawing No.30-C-12	m	240				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 30	Straight Pipe, dia. 160mm (PVC) Gohagoda as depicted in drawing No.30-C-13	m	108				
SR 4- 31	Double Flanged Piece, dia 125, L=400mm	Nr	2				
SR 4- 32	Double Flanged Piece, dia 65, L=200mm	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4- 33	Double Flanged Piece, dia 65, L-350mm	Nr	1				
SR 4- 34	Double Flanged 100 x 65 Taper	Nr	2				
SR 4- 35	Double Flanged 150 x 125 Taper	Nr	2				
	Aria as depicted in drawing No.30-C-14						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 36	Hume Pipe, dia 500 mm	m	74				
	Bahirawakanda as depicted in drawing No.30-C-16						
SR 4- 37	Double Flanged Piece, dia 125, L=1,150mm	Nr	1				
SR 4- 38	Double Flanged 150 x 125 Taper	Nr	1				
SR 4- 39	Flanged Bellmouth, dia 125, L=150mm	Nr	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 40	Hume Pipe, dia 250 mm	m	127				
	Aria as depicted in drawing No.30-C-17						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 41	Hume Pipe, dia 400 mm	m	486				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Dangolla as depicted in drawing No.30-C-19						
SR 4- 42	Double Flanged Piece, dia 125, L=610mm	Nr	2				
SR 4- 43	Double Flanged 200 x 125 Taper	Nr	2				
SR 4- 44	Flanged Bellmouth, dia 125, L=150mm	Nr	2				
SR 4- 45	Double Flanged 90 degree Bend, dia 125, L=400mm	Nr	2				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 46	Hume Pipe, dia 250 mm	m	151				
	Heerassagala Middle as depicted in drawing No.30-C-20						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 4- 47	Hume Pipe, dia 350 mm	m	277				
	Heerassagala Middle as depicted in drawing No.30-C-21						
SR 4- 48	Double Flanged Piece, dia 125, L=980mm	Nr	2				
SR 4- 49	Double Flanged 200 x 125 Taper	Nr	2				
SR 4- 50	Double Flanged 90 degree Bend, dia 125, L=400mm	Nr	2				
SR 4- 51	Flanged Bellmouth, dia 125, L=150mm	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4- 52	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 225mm (PVC) Hantana Place as depicted in drawing No.30-C-22	m	18				
SR 4- 53	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 160mm (PVC) Hantana Place as depicted in drawing No.30-C-23	m	154				
SR 4- 54	Double Flanged Piece, dia 125, L=375mm	Nr	1				
SR 4- 55	Double Flanged Piece, dia 125, L=400mm	Nr	1				
SR 4- 56	Double Flanged 200 x 125 Taper	Nr	4				
SR 4- 57	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 225mm (PVC) Mullepihilla Low New as depicted in drawing No.30-C-25	m	93				
SR 4- 58	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 160mm (PVC) Mullepihilla Low New as depicted in drawing No.30-C-26	m	86				
SR 4- 59	Double Flanged Piece, dia 125, L=400mm	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 4: Supply of PVC/SP Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4- 60	Double Flanged Piece, dia 125, L=650mm	Nr	1				
SR 4- 61	Double Flanged 150 x 125 Taper Elhena as depicted in drawing No.30-C-27	Nr	2				
SR 4- 62	Double Flanged Piece, dia 125, L=375mm	Nr	1				
SR 4- 63	Double Flanged Piece with Puddle, dia 125, L=570mm	Nr	1				
SR 4- 64	Double Flanged Piece with Puddle, dia 125, L=680mm	Nr	1				
SR 4- 65	Dobule Flanged 150 x 125 Taper	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench DI Pipes Specials & Fittings as Specified</p> <p>Kurugoda as depicted in drawing No.30-C-01</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves.</p> <p><u>Depth to invert of pipe not exceeding 2.0m</u></p>						
SR 5 - 1	150 mm dia pipe	m	3				
SR 5 - 2	200 mm dia pipe	m	5				
SR 5 - 3	250 mm dia pipe	m	2				
SR 5 - 4	300 mm dia pipe	m	8				
SR 5 - 5	350 mm dia pipe	m	69				
	<u>Extra over for chamber</u>						
SR 5 - 6	chamber	Item	Sum				
	<p>Akurana as depicted in drawing No.30-C-02</p> <p><u>Depth to invert of pipe not exceeding 2.0m</u></p>						
SR 5 - 7	200 mm dia pipe	m	14				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5 - 8	<u>Extra over for chamber</u> chamber	Item	Sum				
	Thelambugahawatta as depicted in drawing No.30-C-03 <u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 9	200 mm dia pipe	m	11				
SR 5 - 10	250 mm dia pipe	m	55				
	Kahawatta as depicted in drawing No.30-C-04 <u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 11	200 mm dia pipe	m	3				
SR 5 - 12	300 mm dia pipe	m	26				
SR 5 - 13	350 mm dia pipe	m	19				
SR 5 - 14	400 mm dia pipe	m	10				
SR 5 - 15	500 mm dia pipe	m	188				
	Kahalla as depicted in drawing No.30-C-05 <u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 16	200 mm dia pipe	m	108				
Total of page BOQ - 524 to SR 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5 - 17	300 mm dia pipe Bangalawatta as depicted in drawing N0.30-C-07 <u>Depth to invert of pipe not exceeding 2.0m</u>	m	35				
SR 5 - 18	150 mm dia pipe	m	33				
SR 5 - 19	200 mm dia pipe	m	42				
SR 5 - 20	250 mm dia pipe	m	97				
SR 5 - 21	chamber Pihilladeniya as depicted in drawing N0.30-C-08 <u>Depth to invert of pipe not exceeding 2.0m</u>	Item	Sum				
SR 5 - 22	100 mm dia pipe	m	3				
SR 5 - 23	150 mm dia pipe	m	16				
SR 5 - 24	200 mm dia pipe <u>Concrete Block for Overflow/Drainage Pipes on Slope</u>	m	81				
SR 5 - 25	Type A1	Nr	23				
SR 5 - 26	Type B1	Nr	28				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Kurugamma as depicted in drawing No.30-C-09						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 27	150 mm dia pipe	m	89				
SR 5 - 28	200 mm dia pipe	m	3				
SR 5 - 29	250 mm dia pipe	m	3				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 5 - 30	Type A1	Nr	13				
	Kondadeniya as depicted in drawing No.30-C-10						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 31	200 mm dia pipe	m	61				
SR 5 - 32	250 mm dia pipe	m	12				
	<u>Extra over for chamber</u>						
SR 5 - 33	chamber	Item	Sum				
	Gohagoda as depicted in drawing No.30-C-13						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5 - 34	80 mm dia pipe	m	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5- 35	150 mm dia pipe	m	67				
SR 5- 36	300 mm dia pipe	m	15				
SR 5- 37	<u>Extra over for chamber</u> chamber	Item	Sum				
	Asgiriya as depicted in drawing No.30-C-15						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 38	200 mm dia pipe	m	44				
SR 5- 39	450 mm dia pipe	m	10				
SR 5- 40	500 mm dia pipe	m	112				
SR 5- 41	600 mm dia pipe	m	15				
	Bahirawakanda as depicted in drawing No.30-C-16						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 42	150 mm dia pipe	m	8				
SR 5- 43	250 mm dia pipe	m	128				
	Uplands as depicted in drawing No.30-C-17						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
Total of page BOQ - 527 to SR 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5- 44	300 mm dia pipe	m	3				
SR 5- 45	350 mm dia pipe	m	3				
SR 5- 46	400 mm dia pipe	m	90				
SR 5- 47	500 mm dia pipe	m	23				
	Dangolla as depicted in drawing No.30-C-19						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 48	200 mm dia pipe	m	90				
SR 5- 49	250 mm dia pipe	m	23				
	Heerassagala Low as depicted in drawing No.30-C-20						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 50	200 mm dia pipe	m	5				
SR 5- 51	250 mm dia pipe	m	5				
SR 5- 52	350 mm dia pipe	m	36				
	Heerassagala Middle as depicted in drawing No.30-C-21						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 53	200 mm dia pipe	m	85				
Total of page BOQ - 528 to SR 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5- 54	250 mm dia pipe Heerassagala Upper as depicted in drawing No.30-C-22 <u>Depth to invert of pipe not exceeding 2.0m</u>	m	13				
SR 5- 55	100 mm dia pipe	m	1				
SR 5- 56	150 mm dia pipe	m	41				
SR 5- 57	200 mm dia pipe Hantana Place as depicted in drawing No.30-C-23 <u>Depth to invert of pipe not exceeding 2.0m</u>	m	10				
SR 5- 58	200 mm dia pipe Ampitiya as depicted in drawing No.30-C-24 <u>Depth to invert of pipe not exceeding 2.0m</u>	m	61				
SR 5- 59	150 mm dia pipe	m	76				
SR 5- 60	200 mm dia pipe	m	59				
SR 5- 61	250 mm dia pipe	m	9				
SR 5- 62	300 mm dia pipe Mullepihilla Low New as depicted in drawing No.30-C-26 <u>Depth to invert of pipe not exceeding 2.0m</u>	m	27				
SR 5- 63	100 mm dia pipe	m	3				
				Total of page BOQ - 529 to SR 5 Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 5: Laying of DI Pipes/Valves/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5- 64	150 mm dia pipe	m	30				
	<u>Extra over for chamber</u>						
SR 5- 65	chamber	Item	Sum				
	Elhena as depicted in drawing No.30-C-27						
	<u>Depth to invert of pipe not exceeding 2.0m</u>						
SR 5- 66	100 mm dia pipe	m	3				
SR 5- 67	200 mm dia pipe	m	88				
SR 5- 68	250 mm dia pipe	m	26				
	<u>Extra over for chamber</u>						
SR 5- 69	chamber	Item	Sum				
Total of page BOQ - 530 to SR 5 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench PVC/SP Pipes Specials & Fittings as Specified.</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering, bedding unless otherwise specified, backfilling or filling with selected material (where necessary), compaction & disposal of excess & unsuitable material as directed by the Engineer</p> <p>Kurugoda as depicted in drawing No.30-C-01</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
SR 6 - 1	125 mm dia pipe (SP)	m	2				
	<p><u>Extra over for Overflow/Drainage pipe</u></p>						
SR 6 - 2	Hume Pipe, dia 350 mm	m	235				
	<p><u>Concrete Block for Overflow/Drainage Pipes on Slope</u></p>						
SR 6 - 3	Type A1	Nr	67				
	<p>Akurana as depicted in drawing No.30-C-02</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
SR 6 - 4	225 mm dia pipe (PVC)	m	5				
	<p>Thelambugahawatta as depicted in drawing No.30-C-03</p>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
SR 6 - 5	125 mm dia pipe (SP)	m	3				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6 - 6	Hume Pipe, dia 250 mm	m	677				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 6 - 7	Type B1	Nr	1				
	Kahawatta as depicted in drawing No.30-C-04						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6 - 8	Hume Pipe, dia 500 mm	m	746				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 6 - 9	Type A1	Nr	30				
	Kahalla as depicted in drawing No.30-C-05						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 10	Straight Pipe, dia. 225mm (PVC)	m	83				
	Bangalawatta as depicted in drawing N0.30-C-07						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
Total of page BOQ - 532 to SR 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 6- 11	125 mm dia pipe (SP)	m	1				
SR 6- 12	280 mm dia pipe (PVC)	m	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 13	Hume Pipe, dia 250 mm	m	55				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 6- 14	Type A2	Nr	39				
	Pihilladeniya as depicted in drawing N0.30-C-08						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
SR 6- 15	125 mm dia pipe (SP)	m	2				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 16	Straight Pipe, dia. 225mm (PVC)	m	70				
	Kurugamma as depicted in drawing No.30-C-09						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 17	Straight Pipe, dia. 160mm (PVC)	m	650				
	Kondadeniya as depicted in drawing No.30-C-10						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
SR 6- 18	125 mm dia pipe (SP)	m	1				
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 19	Straight Pipe, dia. 225mm (PVC)	m	240				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 6- 20	Type A1	Nr	28				
	Gohagoda as depicted in drawing No.30-C-12						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 21	Straight Pipe, dia. 160mm (PVC)	m	108				
	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u>						
SR 6- 22	Type A1	Nr	23				
	Gohagoda as depicted in drawing No.30-C-13						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
SR 6- 23	65 mm dia pipe (SP)	m	1				
SR 6- 24	125 mm dia pipe (SP)	m	2				
	Aria as depicted in drawing No.30-C-14						
	<u>Extra over for Overflow/Drainage pipe</u>						
SR 6- 25	Hume Pipe, dia 500 mm	m	74				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 6- 26	Concrete Block for Overflow/Drainage Pipes on Slope Type A1	Nr	74				
	Bahirawakanda as depicted in drawing No.30-C-16 Depth to invert of pipes not exceeding 2.0 m						
SR 6- 27	125 mm dia pipe (SP)	m	1				
	Extra over for Overflow/Drainage pipe						
SR 6- 28	Hume Pipe, dia 250 mm	m	127				
	Concrete Block for Overflow/Drainage Pipes on Slope						
SR 6- 29	Type A1	Nr	75				
SR 6- 30	Type A2	Nr	31				
SR 6- 31	Type A3	Nr	6				
SR 6- 32	Type B3	Nr	2				
	Dangolla as depicted in drawing No.30-C-17 Extra over for Overflow/Drainage pipe						
SR 6- 33	Hume Pipe, dia 400 mm	m	486				
	Dangolla as depicted in drawing No.30-C-19 Depth to invert of pipes not exceeding 2.0 m						
SR 6- 34	125 mm dia pipe (SP)	m	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 6- 35	<u>Extra over for Overflow/Drainage pipe</u> Hume Pipe, dia 250 mm Heerassagala Middle as depicted in drawing No.30-C-20	m	151				
SR 6- 36	<u>Extra over for Overflow/Drainage pipe</u> Hume Pipe, dia 350 mm Concrete Block for Overflow/Drainage Pipes on Slope	m	277				
SR 6- 37	Type B1 Heerassagala Middle as depicted in drawing No.30-C-21	Nr	2				
SR 6- 38	<u>Depth to invert of pipes not exceeding 2.0 m</u> 125 mm dia pipe (SP)	m	2				
SR 6- 39	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 225mm (PVC) Hantana Place as depicted in drawing No.30-C-22	m	18				
SR 6- 40	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 160mm (PVC) Hantana Place as depicted in drawing No.30-C-23	m	154				
SR 6- 41	<u>Depth to invert of pipes not exceeding 2.0 m</u> 125 mm dia pipe (SP)	m	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 6: Laying of PVC Pipes/Fittings for Yard Pipe

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 6- 42	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 225mm (PVC)	m	93				
SR 6- 43	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u> Type B2 Mullepihilla Low New as depicted in drawing No.30-C-25	Nr	14				
SR 6- 44	<u>Extra over for Overflow/Drainage pipe</u> Straight Pipe, dia. 160mm (PVC)	m	86				
SR 6- 45	<u>Concrete Block for Overflow/Drainage Pipes on Slope</u> Type A2 Mullepihilla Low New as depicted in drawing No.30-C-26	Nr	86				
SR 6- 46	<u>Depth to invert of pipes not exceeding 1.2m</u> 125 mm dia pipe (SP) Elhena as depicted in drawing No.30-C-27	m	2				
SR 6- 47	<u>Depth to invert of pipes not exceeding 2.0 m</u> 125 mm dia pipe (SP)	m	2				
Total of page BOQ - 537 to SR 6 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	Supply & Delivery of Equipment as per specifications & drawings. Rate to include for all jointing material and maintenance material.									
	<u>Mechanical Equipment</u>									
	Kahawatta (E)									
SR 7-1	Supply booster pump (2 sets) and chlorination unit complete	Item	1							
SR 7-2	Supply all pipework, valves and fittings complete	Item	1							
SR 7-3	Supply all supporting steelwork for equipment complete	Item	1							
SR 7-4	Supply all spare parts complete	Item	1							
SR 7-5	Supply all maintenance equipment and tools complete	Item	1							
SR 7-6	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Kondadeniya (H)									
SR 7-7	Supply booster pump complete	Nr	2							
SR 7-8	Supply all pipework, valves and fittings complete	Item	1							
SR 7-9	Supply all supporting steelwork for equipment complete	Item	1							
SR 7-10	Supply all spare parts complete	Item	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-11	Supply all maintenance equipment and tools complete	Item	1							
SR 7-12	Supply all other items necessary to make booster pump facility equipment complete Asgiriya (G)	Item	1							
SR 7-13	Supply booster pump complete	Nr	2							
SR 7-14	Supply all pipework, valves and fittings complete	Item	1							
SR 7-15	Supply all supporting steelwork for equipment complete	Item	1							
SR 7-16	Supply all spare parts complete	Item	1							
SR 7-17	Supply all maintenance equipment and tools complete	Item	1							
SR 7-18	Supply all other items necessary to make booster pump facility equipment complete R2 (F)	Item	1							
SR 7-19	Supply booster pump complete	Nr	2							
SR 7-20	Supply all pipework, valves and fittings complete	Item	1							
SR 7-21	Supply all supporting steelwork for equipment complete	Item	1							
SR 7-22	Supply all spare parts complete	Item	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 7-23	Supply all maintenance equipment and tools complete	Item	1						
SR 7-24	Supply all other items necessary to make booster pump facility equipment complete	Item	1						
	Heerasagala Low (B)								
SR 7-25	Supply booster pump complete	Nr	2						
SR 7-26	Supply all pipework, valves and fittings complete	Item	1						
SR 7-27	Supply all supporting steelwork for equipment complete	Item	1						
SR 7-28	Supply all spare parts complete	Item	1						
SR 7-29	Supply all maintenance equipment and tools complete	Item	1						
SR 7-30	Supply all other items necessary to make booster pump facility equipment complete	Item	1						
	Heerasagala Middle (C)								
SR 7-31	Supply booster pump complete	Nr	2						
SR 7-32	Supply all pipework, valves and fittings complete	Item	1						
SR 7-33	Supply all supporting steelwork for equipment complete	Item	1						
SR 7-34	Supply all spare parts complete	Item	1						
SR 7-35	Supply all maintenance equipment and tools complete	Item	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-36	Supply all other items necessary to make booster pump facility equipment complete Ampitiya (D)	Item	1							
SR 7-37	Supply booster pump (D-1) complete	Nr	2							
SR 7-38	Supply booster pump (D-2) complete	Nr	2							
SR 7-39	Supply booster pump (D-3) complete	Nr	2							
SR 7-40	Supply all pipework, valves and fittings complete	Item	1							
SR 7-41	Supply all supporting steelwork for equipment complete	Item	1							
SR 7-42	Supply all spare parts complete	Item	1							
SR 7-43	Supply all maintenance equipment and tools complete	Item	1							
SR 7-44	Supply all other items necessary to make booster pump facility equipment complete Electric Equipment Kahawatta P.S. & S.R.	Item	1							
SR 7-45	Supply Power Receiving Panel complete	Nr	1							
SR 7-46	Supply Booster Pump Panel complete	Nr	2							
SR 7-47	Supply Level Switch complete	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-48	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-49	Supply all CEB connection complete	Item	1							
SR 7-50	Supply all spare parts complete	Item	1							
SR 7-51	Supply all maintenance equipment and tools complete	Item	1							
SR 7-52	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Kondadeniya P.S. & S.R.									
SR 7-53	Supply Power Receiving Panel complete	Nr	1							
SR 7-54	Supply Booster Pump Panel complete	Nr	1							
SR 7-55	Supply Level Switch complete	Nr	1							
SR 7-56	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-57	Supply all CEB connection complete	Item	1							
SR 7-58	Supply all spare parts complete	Item	1							
SR 7-59	Supply all maintenance equipment and tools complete	Item	1							
SR 7-60	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Asgiriya P.S.									
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-61	Supply Power Receiving Panel complete	Nr	1							
SR 7-62	Supply Booster Pump Panel complete	Nr	1							
SR 7-63	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-64	Supply all CEB connection complete	Item	1							
SR 7-65	Supply all spare parts complete	Item	1							
SR 7-66	Supply all maintenance equipment and tools complete	Item	1							
SR 7-67	Supply all other items necessary to make booster pump facility equipment complete R2 P.S. & S.R.	Item	1							
SR 7-68	Supply Incoming Feeder Box complete	Nr	1							
SR 7-69	Supply Power Receiving Panel complete	Nr	1							
SR 7-70	Supply Booster Pump Panel complete	Nr	2							
SR 7-71	Supply Level Switch complete	Nr	1							
SR 7-72	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-73	Supply all CEB connection complete	Item	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-74	Supply all spare parts complete	Item	1							
SR 7-75	Supply all maintenance equipment and tools complete	Item	1							
SR 7-76	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Heerasagala Low P.S. & S.R.									
SR 7-77	Supply Power Receiving Panel complete	Nr	1							
SR 7-78	Supply Booster Pump Panel complete	Nr	1							
SR 7-79	Supply Level Switch complete	Nr	1							
SR 7-80	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-81	Supply all CEB connection complete	Item	1							
SR 7-82	Supply all spare parts complete	Item	1							
SR 7-83	Supply all maintenance equipment and tools complete	Item	1							
SR 7-84	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Heerasagala Middle P.S. & S.R.									
SR 7-85	Supply Power Receiving Panel complete	Nr	1							
SR 7-86	Supply Booster Pump Panel complete	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
SR 7-87	Supply Level Switch complete	Nr	1							
SR 7-88	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-89	Supply all CEB connection complete	Item	1							
SR 7-90	Supply all spare parts complete	Item	1							
SR 7-91	Supply all maintenance equipment and tools complete	Item	1							
SR 7-92	Supply all other items necessary to make booster pump facility equipment complete	Item	1							
	Ampitiya P.S. & S.R.									
SR 7-93	Supply Power Receiving Panel complete	Nr	1							
SR 7-94	Supply Booster Pump (D-1) Panel complete	Nr	1							
SR 7-95	Supply Booster Pump (D-2) Panel complete	Nr	1							
SR 7-96	Supply Booster Pump (D-3) Panel complete	Nr	1							
SR 7-97	Supply Level Switch complete	Nr	1							
SR 7-98	Supply all cable, tray, pipe and other materials complete	Item	1							
SR 7-99	Supply all CEB connection complete	Item	1							
SR 7-100	Supply all spare parts complete	Item	1							
Total of page BOQ - 545 to SR 7 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 7: Supply of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 7-101	Supply all maintenance equipment and tools complete	Item	1						
SR 7-102	Supply all other items necessary to make booster pump facility equipment complete	Item	1						
Total of page BOQ - 546 to SR 7 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Installation of Equipment as per specifications & drawings. Rate to include for all jointing.						
	<u>Mechanical Equipment</u>						
	Kahawatta (E)						
SR 8-1	Install booster pump (2 sets) and chlorination unit complete	Item	1				
SR 8-2	Install all pipework, valves and fittings complete	Item	1				
SR 8-3	Install all supporting steelwork for equipment complete	Item	1				
SR 8-4	All other works necessary to make equipment complete	Item	1				
	Kondadeniya (H)						
SR 8-5	Install booster pump complete	Nr	2				
SR 8-6	Install all pipework, valves and fittings complete	Item	1				
SR 8-7	Install all supporting steelwork for equipment complete	Item	1				
SR 8-8	All other works necessary to make equipment complete	Item	1				
	Asgiriya (G)						
Total of page BOQ - 547 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 8-9	Install booster pump complete	Nr	2				
SR 8-10	Install all pipework, valves and fittings complete	Item	1				
SR 8-11	Install all supporting steelwork for equipment complete	Item	1				
SR 8-12	All other works necessary to make equipment complete	Item	1				
	R2 (F)						
SR 8-13	Install booster pump complete	Nr	2				
SR 8-14	Install all pipework, valves and fittings complete	Item	1				
SR 8-15	Install all supporting steelwork for equipment complete	Item	1				
SR 8-16	All other works necessary to make equipment complete	Item	1				
	Heerasagala Low (B)						
SR 8-17	Install booster pump complete	Nr	2				
SR 8-18	Install all pipework, valves and fittings complete	Item	1				
SR 8-19	Install all supporting steelwork for equipment complete	Item	1				
SR 8-20	All other works necessary to make equipment complete	Item	1				
Total of page BOQ - 548 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Heerasagala Middle (C)						
SR 8-21	Install booster pump complete	Nr	2				
SR 8-22	Install all pipework, valves and fittings complete	Item	1				
SR 8-23	Install all supporting steelwork for equipment complete	Item	1				
SR 8-24	All other works necessary to make equipment complete	Item	1				
	Ampitiya (D)						
SR 8-25	Install booster pump (D-1) complete	Nr	2				
SR 8-26	Install booster pump (D-2) complete	Nr	2				
SR 8-27	Install booster pump (D-3) complete	Nr	2				
SR 8-28	Install all pipework, valves and fittings complete	Item	1				
SR 8-29	Install all supporting steelwork for equipment complete	Item	1				
SR 8-30	All other works necessary to make equipment complete	Item	1				
	<u>Electric Equipment</u>						
	Kahawatta P.S. & S.R.						
Total of page BOQ - 549 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 8-31	Install Power Receiving Panel complete	Nr	1				
SR 8-32	Install Booster Pump Panel complete	Nr	2				
SR 8-33	Install Level Switch complete	Nr	1				
SR 8-34	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-35	Install all CEB connection complete and Fee	Item	1				
SR 8-36	All other works necessary to make equipment complete	Item	1				
	Kondadeniya P.S. & S.R.						
SR 8-37	Install Power Receiving Panel complete	Nr	1				
SR 8-38	Install Booster Pump Panel complete	Nr	1				
SR 8-39	Install Level Switch complete	Nr	1				
SR 8-40	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-41	Install all CEB connection complete and Fee	Item	1				
SR 8-42	All other works necessary to make equipment complete	Item	1				
	Asgiriya P.S.						
Total of page BOQ - 550 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 8-43	Install Power Receiving Panel complete	Nr	1				
SR 8-44	Install Booster Pump Panel complete	Nr	1				
SR 8-45	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-46	Install all CEB connection complete and Fee	Item	1				
SR 8-47	All other works necessary to make equipment complete	Item	1				
	R2 P.S. & S.R.						
SR 8-48	Install Incoming Feeder Box complete	Nr	1				
SR 8-49	Install Power Receiving Panel complete	Nr	1				
SR 8-50	Install Booster Pump Panel complete	Nr	2				
SR 8-51	Install Level Switch complete	Nr	1				
SR 8-52	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-53	Install all CEB connection complete	Item	1				
SR 8-54	All other works necessary to make equipment complete	Item	1				
	Heerasagala Low P.S. & S.R.						
Total of page BOQ - 551 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 8-55	Install Power Receiving Panel complete	Nr	1				
SR 8-56	Install Booster Pump Panel complete	Nr	1				
SR 8-57	Install Level Switch complete	Nr	1				
SR 8-58	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-59	Install all CEB connection complete and Fee	Item	1				
SR 8-60	All other works necessary to make equipment complete	Item	1				
	Heerasagala Middle P.S. & S.R.						
SR 8-61	Install Power Receiving Panel complete	Nr	1				
SR 8-62	Install Booster Pump Panel complete	Nr	1				
SR 8-63	Install Level Switch complete	Nr	1				
SR 8-64	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-65	Install all CEB connection complete and Fee	Item	1				
SR 8-66	All other works necessary to make equipment complete	Item	1				
Total of page BOQ - 552 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.SR 8: Installation of Pumps/Fittings, Equipment

Service Reservoir

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Ampitiya P.S. & S.R.						
SR 8-67	Install Power Receiving Panel complete	Nr	1				
SR 8-68	Install Booster Pump (D-1) Panel complete	Nr	1				
SR 8-69	Install Booster Pump (D-2) Panel complete	Nr	1				
SR 8-70	Install Booster Pump (D-3) Panel complete	Nr	1				
SR 8-71	Install Level Switch complete	Nr	1				
SR 8-72	Install all cable, tray, pipe and other materials complete	Item	1				
SR 8-73	Install all CEB connection complete and Fee	Item	1				
SR 8-74	All other works necessary to make equipment complete	Item	1				
Total of page BOQ - 553 to SR 8 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 1 - Sum

Site Work

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 1	Page BOQ - 328 of Bill SR 1		
	Page BOQ - 329 of Bill SR 1		
	Page BOQ - 330 of Bill SR 1		
	Page BOQ - 331 of Bill SR 1		
	Page BOQ - 332 of Bill SR 1		
	Page BOQ - 333 of Bill SR 1		
	Page BOQ - 334 of Bill SR 1		
	Page BOQ - 335 of Bill SR 1		
	Page BOQ - 336 of Bill SR 1		
	Page BOQ - 337 of Bill SR 1		
	Page BOQ - 338 of Bill SR 1		
	Page BOQ - 339 of Bill SR 1		
	Page BOQ - 340 of Bill SR 1		
	Page BOQ - 341 of Bill SR 1		
	Page BOQ - 342 of Bill SR 1		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 1 - Sum

Site Work

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 1	Page BOQ - 343 of Bill SR 1 Page BOQ - 344 of Bill SR 1 Page BOQ - 345 of Bill SR 1 Page BOQ - 346 of Bill SR 1 Page BOQ - 347 of Bill SR 1		
SR1-SUM	Total of SR 1 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 2	Page BOQ - 348 of Bill SR 2 Page BOQ - 349 of Bill SR 2 Page BOQ - 350 of Bill SR 2 Page BOQ - 351 of Bill SR 2 Page BOQ - 352 of Bill SR 2 Page BOQ - 353 of Bill SR 2 Page BOQ - 354 of Bill SR 2 Page BOQ - 355 of Bill SR 2 Page BOQ - 356 of Bill SR 2 Page BOQ - 357 of Bill SR 2 Page BOQ - 358 of Bill SR 2 Page BOQ - 359 of Bill SR 2 Page BOQ - 360 of Bill SR 2 Page BOQ - 361 of Bill SR 2 Page BOQ - 362 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 363 of Bill SR 2 Page BOQ - 364 of Bill SR 2 Page BOQ - 365 of Bill SR 2 Page BOQ - 366 of Bill SR 2 Page BOQ - 367 of Bill SR 2 Page BOQ - 368 of Bill SR 2 Page BOQ - 369 of Bill SR 2 Page BOQ - 370 of Bill SR 2 Page BOQ - 371 of Bill SR 2 Page BOQ - 372 of Bill SR 2 Page BOQ - 373 of Bill SR 2 Page BOQ - 374 of Bill SR 2 Page BOQ - 375 of Bill SR 2 Page BOQ - 376 of Bill SR 2 Page BOQ - 377 of Bill SR 2 Page BOQ - 378 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 379 of Bill SR 2 Page BOQ - 380 of Bill SR 2 Page BOQ - 381 of Bill SR 2 Page BOQ - 382 of Bill SR 2 Page BOQ - 383 of Bill SR 2 Page BOQ - 384 of Bill SR 2 Page BOQ - 385 of Bill SR 2 Page BOQ - 386 of Bill SR 2 Page BOQ - 387 of Bill SR 2 Page BOQ - 388 of Bill SR 2 Page BOQ - 389 of Bill SR 2 Page BOQ - 390 of Bill SR 2 Page BOQ - 391 of Bill SR 2 Page BOQ - 392 of Bill SR 2 Page BOQ - 393 of Bill SR 2 Page BOQ - 394 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 395 of Bill SR 2 Page BOQ - 396 of Bill SR 2 Page BOQ - 397 of Bill SR 2 Page BOQ - 398 of Bill SR 2 Page BOQ - 399 of Bill SR 2 Page BOQ - 400 of Bill SR 2 Page BOQ - 401 of Bill SR 2 Page BOQ - 402 of Bill SR 2 Page BOQ - 403 of Bill SR 2 Page BOQ - 404 of Bill SR 2 Page BOQ - 405 of Bill SR 2 Page BOQ - 406 of Bill SR 2 Page BOQ - 407 of Bill SR 2 Page BOQ - 408 of Bill SR 2 Page BOQ - 409 of Bill SR 2 Page BOQ - 410 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 411 of Bill SR 2 Page BOQ - 412 of Bill SR 2 Page BOQ - 413 of Bill SR 2 Page BOQ - 414 of Bill SR 2 Page BOQ - 415 of Bill SR 2 Page BOQ - 416 of Bill SR 2 Page BOQ - 417 of Bill SR 2 Page BOQ - 418 of Bill SR 2 Page BOQ - 419 of Bill SR 2 Page BOQ - 420 of Bill SR 2 Page BOQ - 421 of Bill SR 2 Page BOQ - 422 of Bill SR 2 Page BOQ - 423 of Bill SR 2 Page BOQ - 424 of Bill SR 2 Page BOQ - 425 of Bill SR 2 Page BOQ - 426 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 427 of Bill SR 2 Page BOQ - 428 of Bill SR 2 Page BOQ - 429 of Bill SR 2 Page BOQ - 430 of Bill SR 2 Page BOQ - 431 of Bill SR 2 Page BOQ - 432 of Bill SR 2 Page BOQ - 433 of Bill SR 2 Page BOQ - 434 of Bill SR 2 Page BOQ - 435 of Bill SR 2 Page BOQ - 436 of Bill SR 2 Page BOQ - 437 of Bill SR 2 Page BOQ - 438 of Bill SR 2 Page BOQ - 439 of Bill SR 2 Page BOQ - 440 of Bill SR 2 Page BOQ - 441 of Bill SR 2 Page BOQ - 442 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 443 of Bill SR 2 Page BOQ - 444 of Bill SR 2 Page BOQ - 445 of Bill SR 2 Page BOQ - 446 of Bill SR 2 Page BOQ - 447 of Bill SR 2 Page BOQ - 448 of Bill SR 2 Page BOQ - 449 of Bill SR 2 Page BOQ - 450 of Bill SR 2 Page BOQ - 451 of Bill SR 2 Page BOQ - 452 of Bill SR 2 Page BOQ - 453 of Bill SR 2 Page BOQ - 454 of Bill SR 2 Page BOQ - 455 of Bill SR 2 Page BOQ - 456 of Bill SR 2 Page BOQ - 457 of Bill SR 2 Page BOQ - 458 of Bill SR 2		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 2 - Sum

Construction of Service Reservoir

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
SR 2	Page BOQ - 459 of Bill SR 2 Page BOQ - 460 of Bill SR 2 Page BOQ - 461 of Bill SR 2 Page BOQ - 462 of Bill SR 2 Page BOQ - 463 of Bill SR 2 Page BOQ - 464 of Bill SR 2 Page BOQ - 465 of Bill SR 2 Page BOQ - 466 of Bill SR 2 Page BOQ - 467 of Bill SR 2 Page BOQ - 468 of Bill SR 2 Page BOQ - 469 of Bill SR 2		
SR2-SUM	Total of SR 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 4 - Sum

Supply of PVC Pipes/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 4	Page BOQ - 515 of Bill SR 4 Page BOQ - 516 of Bill SR 4 Page BOQ - 517 of Bill SR 4 Page BOQ - 518 of Bill SR 4 Page BOQ - 519 of Bill SR 4 Page BOQ - 520 of Bill SR 4 Page BOQ - 521 of Bill SR 4 Page BOQ - 522 of Bill SR 4		
SR4-SUM	Total of SR 4 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 5 - Sum

Laying of DI Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 5	Page BOQ - 523 of Bill SR 5 Page BOQ - 524 of Bill SR 5 Page BOQ - 525 of Bill SR 5 Page BOQ - 526 of Bill SR 5 Page BOQ - 527 of Bill SR 5 Page BOQ - 528 of Bill SR 5 Page BOQ - 529 of Bill SR 5 Page BOQ - 530 of Bill SR 5		
SR5-SUM	Total of SR 5 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 6 - Sum

Laying of PVC Pipes/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 6	Page BOQ - 531 of Bill SR 6 Page BOQ - 532 of Bill SR 6 Page BOQ - 533 of Bill SR 6 Page BOQ - 534 of Bill SR 6 Page BOQ - 535 of Bill SR 6 Page BOQ - 536 of Bill SR 6 Page BOQ - 537 of Bill SR 6		
SR6-SUM	Total of SR 6 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 8 - Sum

Installation of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
SR 8	Page BOQ - 547 of Bill SR 8 Page BOQ - 548 of Bill SR 8 Page BOQ - 549 of Bill SR 8 Page BOQ - 550 of Bill SR 8 Page BOQ - 551 of Bill SR 8 Page BOQ - 552 of Bill SR 8 Page BOQ - 553 of Bill SR 8		
SR8-SUM	Total of SR 8 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 3 - Sum

Supply of DI Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 3	Page BOQ - 470 of Bill SR 3			
	Page BOQ - 471 of Bill SR 3			
	Page BOQ - 472 of Bill SR 3			
	Page BOQ - 473 of Bill SR 3			
	Page BOQ - 474 of Bill SR 3			
	Page BOQ - 475 of Bill SR 3			
	Page BOQ - 476 of Bill SR 3			
	Page BOQ - 477 of Bill SR 3			
	Page BOQ - 478 of Bill SR 3			
	Page BOQ - 479 of Bill SR 3			
	Page BOQ - 480 of Bill SR 3			
	Page BOQ - 481 of Bill SR 3			
	Page BOQ - 482 of Bill SR 3			
	Page BOQ - 483 of Bill SR 3			
	Page BOQ - 484 of Bill SR 3			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 3 - Sum

Supply of DI Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
SR 3	Page BOQ - 485 of Bill SR 3 Page BOQ - 486 of Bill SR 3 Page BOQ - 487 of Bill SR 3 Page BOQ - 488 of Bill SR 3 Page BOQ - 489 of Bill SR 3 Page BOQ - 490 of Bill SR 3 Page BOQ - 491 of Bill SR 3 Page BOQ - 492 of Bill SR 3 Page BOQ - 493 of Bill SR 3 Page BOQ - 494 of Bill SR 3 Page BOQ - 495 of Bill SR 3 Page BOQ - 496 of Bill SR 3 Page BOQ - 497 of Bill SR 3 Page BOQ - 498 of Bill SR 3			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 3 - Sum

Supply of DI Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs.
	Brought Forward			
SR 3	Page BOQ - 499 of Bill SR 3 Page BOQ - 500 of Bill SR 3 Page BOQ - 501 of Bill SR 3 Page BOQ - 502 of Bill SR 3 Page BOQ - 503 of Bill SR 3 Page BOQ - 504 of Bill SR 3 Page BOQ - 505 of Bill SR 3 Page BOQ - 506 of Bill SR 3 Page BOQ - 507 of Bill SR 3 Page BOQ - 508 of Bill SR 3 Page BOQ - 509 of Bill SR 3 Page BOQ - 510 of Bill SR 3 Page BOQ - 511 of Bill SR 3 Page BOQ - 512 of Bill SR 3			
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 3 - Sum

Supply of DI Pipes/Valves/Fittings for Yard Pipe

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
SR 3	Page BOQ - 513 of Bill SR 3 Page BOQ - 514 of Bill SR 3			
SR3-SUM	Total of SR 3 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR 7 - Sum

Supply of Pumps/Fittings, Equipment

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 7	Page BOQ - 538 of Bill SR 7 Page BOQ - 539 of Bill SR 7 Page BOQ - 540 of Bill SR 7 Page BOQ - 541 of Bill SR 7 Page BOQ - 542 of Bill SR 7 Page BOQ - 543 of Bill SR 7 Page BOQ - 544 of Bill SR 7 Page BOQ - 545 of Bill SR 7 Page BOQ - 546 of Bill SR 7			
SR7-SUM	Total of SR 7 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.SR - Sum

Service Reservoir

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
SR 1	Site Work			
SR 2	Construction of Service Reservoir			
SR 3	Supply of DI Pipes/Valves/Fittings for Yard Pipe			
SR 4	Supply of PVC/SP Pipes/Fittings for Yard Pipe			
SR 5	Laying of DI Pipes/Valves/Fittings for Yard Pipe			
SR 6	Laying of PVC Pipes/Fittings for Yard Pipe			
SR 7	Supply of Pumps/Fittings, Equipment			
SR 8	Installation of Pumps/Fittings, Equipment			
SR-SUM	Total of Service Reservoir to Grand Summary			

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<p>Supply and Delivery at site all Distribution DI pipes and fittings including rubber rings, lubricant, gaskets, bolts & nuts, Denso primer, paste, protection tape and all other associated material required for complete installation</p> <p>All pipes (except flange pipes) shall be Class - K9</p> <p>Flange pipes and all fittings except Tees shall be Class - K12</p> <p>All Tees shall be Class - K14</p> <p>Flanges shall be of PN 10/16</p> <p>Depicted in Drawing No: 40-C-01</p>									
DB 1 - 1	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	1090							
DB 1 - 2	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	19							
DB 1 - 3	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	37							
DB 1 - 4	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	8							
DB 1 - 5	Double Socket Bend, dia 250 mm x 90 ⁰	Nr	3							
	<u>For Air Valve Points (PN 10)</u>									
DB 1 - 6	Double Socket Tee with Flanged Branch, dia 200 x 80 mm	Nr	4							
DB 1 - 7	Double Socket Tee with Flanged Branch, dia 250 x 80 mm	Nr	1							
DB 1 - 8	Conection Adaptor, dia 200 mm	Nr	8							
DB 1 - 9	Conection Adaptor, dia 250 mm	Nr	2							
DB 1- 10	Collar, dia 200 mm	Nr	4							
DB 1- 11	Collar, dia 250 mm	Nr	1							
DB 1- 12	Single Orifice Air Valve, dia 80 mm	Nr	5							
DB 1- 13	Ball Valve, dia 80 mm	Nr	5							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
Total of page BOQ - 574 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1- 14	Double Socket I/Tee with Flanged Branch, dia 250 x 80 mm	Nr	2							
DB 1- 15	Collar, dia 250 mm	Nr	2							
	<u>For Wash Out (PN 10)</u>									
DB 1- 16	Flanged Spigot, dia 80 mm	Nr	15							
DB 1- 17	Connection Adaptor (DI/PVC), dia 80 mm	Nr	5							
DB 1- 18	Collar, dia 80 mm	Nr	5							
DB 1- 19	Sluice Valve, dia 80 mm	Nr	5							
	<u>Junction Detail</u>									
DB 1- 21	Socket Tee, dia 100 x 100 mm,	Nr	1							
DB 1- 22	Socket Tee, dia 150 x 150 mm,	Nr	2							
DB 1- 23	Socket Tee, dia 200 x 80 mm,	Nr	1							
DB 1- 24	Socket Tee, dia 250 x 100 mm,	Nr	1							
DB 1- 25	Socket Tee, dia 250 x 200 mm,	Nr	1							
DB 1- 26	Socket Reducer, dia 150 x 80 mm,	Nr	1							
DB 1- 27	Socket Reducer, dia 200 x 150 mm,	Nr	1							
DB 1- 28	Socket Reducer, dia 250 x 200 mm,	Nr	1							
DB 1- 29	Flanged Spigot, dia 80 mm, PN10	Nr	2							
DB 1- 30	Flanged Spigot, dia 100 mm, PN10	Nr	1							
DB 1- 31	Flanged Spigot, dia 150 mm, PN10	Nr	3							
DB 1- 32	Flanged Spigot, dia 200 mm, PN10	Nr	1							
DB 1- 33	Flanged Spigot, dia 250 mm, PN10	Nr	1							
DB 1- 34	Short Plain Pipe(2m), dia 80 mm	Nr	2							
Total of page BOQ - 575 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1- 35	Short Plain Pipe(2m), dia 100 mm	Nr	6							
DB 1- 36	Short Plain Pipe(2m), dia 150 mm	Nr	12							
DB 1- 37	Short Plain Pipe(2m), dia 200 mm	Nr	3							
DB 1- 38	Flanged Adaptor, dia 150 mm, PN10	Nr	3							
DB 1- 39	Flanged Adaptor, dia 200 mm, PN10	Nr	1							
DB 1- 40	Flanged Adaptor, dia 250 mm, PN10	Nr	1							
DB 1- 41	Connection Adaptor (DI/PVC), dia 80 x 90 mm	Nr	2							
DB 1- 42	Connection Adaptor (DI/PVC), dia 100 x 110 mm	Nr	2							
DB 1- 43	Connection Adaptor (DI/PVC), dia 150 x 160 mm	Nr	4							
DB 1- 44	Connection Adaptor (DI/PVC), dia 200 x 225 mm	Nr	1							
DB 1- 45	Collar, dia 80 mm,	Nr	2							
DB 1- 46	Collar, dia 100 mm,	Nr	4							
DB 1- 47	Collar, dia 150 mm,	Nr	5							
DB 1- 48	Collar, dia 200 mm,	Nr	1							
DB 1- 49	Collar, dia 250 mm,	Nr	3							
DB 1- 50	Sluice Valve, dia 80 mm, PN10	Nr	2							
DB 1- 51	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1- 52	Sluice Valve, dia 150 mm, PN10	Nr	3							
DB 1- 53	Sluice Valve, dia 200 mm, PN10	Nr	1							
DB 1- 54	Sluice Valve, dia 250 mm, PN10	Nr	1							
	Depicted in Drawing No: 40-C-12									
DB 1- 55	Socket & Spigot Pipes, dia 100 mm length 6 m, T Type	m	34							
Total of page BOQ - 576 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1- 56	Double Socket Bend, dia 100 mm x 1 1/4 ⁰ <u>For Air Valve Points (PN 10)</u>	Nr	1							
DB 1- 57	Double Socket Tee with Flanged Branch, dia 100 x 80 mm	Nr	1							
DB 1- 58	Conection Adaptor, dia 100 mm	Nr	2							
DB 1- 59	Collar, dia 100 mm	Nr	1							
DB 1- 60	Single Orifice Air Valve, dia 80 mm	Nr	1							
DB 1- 61	Ball Valve, dia 80 mm <u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>	Nr	1							
DB 1- 62	Double Socket I/Tee with Flanged Branch, dia 80 x 80 mm	Nr	1							
DB 1- 63	Double Socket I/Tee with Flanged Branch, dia 100 x 80 mm	Nr	2							
DB 1- 64	Connection Adaptor, dia 80 mm	Nr	2							
DB 1- 65	Connection Adaptor, dia 100 mm	Nr	4							
DB 1- 66	Collar, dia 80 mm	Nr	1							
DB 1- 67	Collar, dia 100 mm <u>For Wash Out (PN 10)</u>	Nr	2							
DB 1- 68	Flanged Spigot, dia 80 mm	Nr	9							
DB 1- 69	Connection Adaptor (DI/PVC), dia 80 mm	Nr	3							
DB 1- 70	Collar, dia 80 mm	Nr	3							
DB 1- 71	Sluice Valve, dia 80 mm <u>Junction Detail</u>	Nr	3							
Total of page BOQ - 577 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1- 72	Socket Tee, dia 100 x 100 mm,	Nr	1							
DB 1- 73	Flanged Spigot, dia 100 mm, PN10	Nr	6							
DB 1- 74	Connection Adaptor (DI/PVC), dia 100 x 110 mm, PN10	Nr	3							
DB 1- 75	Collar, dia 100 mm,	Nr	2							
DB 1- 76	Sluice Valve, dia 100 mm, PN10	Nr	3							
	Depicted in Drawing No: 40-C-15									
DB 1- 77	Socket & Spigot Pipes, dia 300 mm length 6 m, T Type	m	222							
DB 1- 78	Double Socket Bend, dia 300 mm x 11 ¹ / ₄ ⁰	Nr	6							
DB 1- 79	Double Socket Bend, dia 300 mm x 22 ¹ / ₂ ⁰	Nr	1							
	<u>For Air Valve Points (PN 10)</u>									
DB 1- 80	Double Socket Tee with Flanged Branch, dia 200 x 80 mm	Nr	1							
DB 1- 81	Conection Adaptor, dia 200 mm	Nr	2							
DB 1- 82	Collar, dia 200 mm	Nr	1							
DB 1- 83	Single Orifice Air Valve, dia 80 mm	Nr	1							
DB 1- 84	Ball Valve, dia 80 mm	Nr	1							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1- 85	Double Socket I/Tee with Flanged Branch, dia 200 x 80 mm	Nr	2							
DB 1- 86	Connection Adaptor, dia 200 mm	Nr	4							
DB 1- 87	Collar, dia 200 mm	Nr	2							
Total of page BOQ - 578 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<u>For Wash Out (PN 10)</u>									
DB 1- 88	Flanged Spigot, dia 80 mm	Nr	6							
DB 1- 89	Connection Adaptor (DI/PVC), dia 80 mm	Nr	2							
DB 1- 90	Collar, dia 80 mm	Nr	2							
DB 1- 91	Sluice Valve, dia 80 mm	Nr	2							
	<u>Junction Detail</u>									
DB 1- 92	Socket Tee, dia 200 x 80 mm,	Nr	1							
DB 1- 93	Socket Tee, dia 200 x 100 mm,	Nr	1							
DB 1- 94	Socket Tee, dia 300 x 200 mm,	Nr	1							
DB 1- 95	Socket Reducer, dia 200 x 150 mm,	Nr	2							
DB 1- 96	Socket Reducer, dia 300 x 200 mm,	Nr	1							
DB 1- 97	Double Socket Bend, dia 80 mm x 45°	Nr	1							
DB 1- 98	Flanged Spigot, dia 80 mm, PN10	Nr	2							
DB 1- 99	Flanged Spigot, dia 100 mm, PN10	Nr	3							
DB 1-100	Flanged Spigot, dia 150 mm, PN10	Nr	2							
DB 1-101	Flanged Spigot, dia 200 mm, PN10	Nr	3							
DB 1-102	Short Plain Pipe(2m), dia 80 mm	Nr	2							
DB 1-103	Short Plain Pipe(2m), dia 100 mm	Nr	2							
DB 1-104	Short Plain Pipe(2m), dia 150 mm	Nr	4							
DB 1-105	Short Plain Pipe(2m), dia 200 mm	Nr	10							
DB 1-106	Flanged Adaptor, dia 150 mm, PN10	Nr	2							
DB 1-107	Flanged Adaptor, dia 200 mm, PN10	Nr	3							
Total of page BOQ - 579 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-108	Connection Adaptor (DI/PVC), dia 80 x 90 mm, PN10	Nr	1							
DB 1-109	Connection Adaptor (DI/PVC), dia 100 x 110 mm, PN10	Nr	1							
DB 1-110	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	2							
DB 1-111	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	5							
DB 1-112	Collar, dia 80 mm,	Nr	2							
DB 1-113	Collar, dia 100 mm,	Nr	2							
DB 1-114	Collar, dia 150 mm,	Nr	3							
DB 1-115	Collar, dia 200 mm,	Nr	5							
DB 1-116	Sluice Valve, dia 80 mm, PN10	Nr	1							
DB 1-117	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1-118	Sluice Valve, dia 150 mm, PN10	Nr	2							
DB 1-119	Sluice Valve, dia 200 mm, PN10	Nr	3							
	Depicted in Drawing No: 40-C-16									
DB 1-120	Socket & Spigot Pipes, dia 300 mm length 6 m, T Type	m	579							
DB 1-121	Double Socket Bend, dia 300 mm x 11 ¹ / ₄ ⁰	Nr	9							
DB 1-122	Double Socket Bend, dia 300 mm x 22 ¹ / ₂ ⁰	Nr	23							
DB 1-123	Double Socket Bend, dia 300 mm x 45 ⁰	Nr	3							
DB 1-124	Double Socket Bend, dia 300 mm x 90 ⁰	Nr	2							
	For Air Valve Points (PN 10)									
DB 1-125	Double Socket Tee with Flanged Branch, dia 150 x 80 mm	Nr	1							
DB 1-126	Double Socket Tee with Flanged Branch, dia 300 x 80 mm	Nr	3							
DB 1-127	Connection Adaptor, dia 150 mm	Nr	2							
Total of page BOQ - 580 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-128	Collar, dia 150 mm	Nr	1							
DB 1-129	Collar, dia 300 mm	Nr	3							
DB 1-130	Single Orifice Air Valve, dia 80 mm	Nr	4							
DB 1-131	Ball Valve, dia 80 mm	Nr	4							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-132	Double Socket I/Tee with Flanged Branch, dia 150 x 80 mm	Nr	2							
DB 1-133	Double Socket I/Tee with Flanged Branch, dia 300 x 80 mm	Nr	3							
DB 1-134	Connection Adaptor, dia 150 mm	Nr	4							
DB 1-135	Collar, dia 150 mm	Nr	2							
DB 1-136	Collar, dia 300 mm	Nr	3							
	<u>For Wash Out (PN 10)</u>									
DB 1-137	Flanged Spigot, dia 80 mm	Nr	15							
DB 1-138	Connection Adaptor (DI/PVC), dia 80 mm	Nr	5							
DB 1-139	Collar, dia 80 mm	Nr	5							
DB 1-140	Sluice Valve, dia 80 mm	Nr	5							
	<u>Junction Detail</u>									
DB 1-141	Socket Tee, dia 150 x 80 mm,	Nr	1							
DB 1-142	Socket Tee, dia 150 x 100 mm,	Nr	1							
DB 1-143	Socket Tee, dia 300 x 100 mm,	Nr	3							
DB 1-144	Socket Tee, dia 300 x 300 mm,	Nr	1							
DB 1-145	Socket Reducer, dia 100 x 80 mm,	Nr	2							
DB 1-146	Socket Reducer, dia 150 x 80 mm,	Nr	1							
DB 1-147	Socket Reducer, dia 300 x 150 mm,	Nr	1							
DB 1-148	Socket Reducer, dia 300 x 250 mm,	Nr	1							
DB 1-149	Double Socket Bend, dia 100 mm x 45°	Nr	1							
DB 1-150	Double Socket Bend, dia 80 mm x 90°	Nr	1							
Total of page BOQ - 581 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-151	Flanged Spigot, dia 80 mm, PN10	Nr	8							
DB 1-152	Flanged Spigot, dia 100 mm, PN10	Nr	2							
DB 1-153	Flanged Spigot, dia 150 mm, PN10	Nr	3							
DB 1-154	Flanged Spigot, dia 250 mm, PN10	Nr	1							
DB 1-155	Flanged Spigot, dia 300 mm, PN10	Nr	1							
DB 1-156	Short Plain Pipe(2m), dia 80 mm	Nr	6							
DB 1-157	Short Plain Pipe(2m), dia 100 mm	Nr	3							
DB 1-158	Short Plain Pipe(2m), dia 150 mm	Nr	8							
DB 1-159	Short Plain Pipe(2m), dia 250 mm	Nr	2							
DB 1-160	Flanged Adaptor, dia 150 mm, PN10	Nr	3							
DB 1-161	Flanged Adaptor, dia 250 mm, PN10	Nr	1							
DB 1-162	Flanged Adaptor, dia 300 mm, PN10	Nr	1							
DB 1-163	Connection Adaptor (DI/PVC), dia 80 x 90 mm, PN10	Nr	4							
DB 1-164	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	6							
DB 1-165	Collar, dia 80 mm,	Nr	4							
DB 1-166	Collar, dia 100 mm,	Nr	1							
DB 1-167	Collar, dia 150 mm,	Nr	7							
DB 1-168	Collar, dia 250 mm,	Nr	1							
DB 1-169	Collar, dia 300 mm,	Nr	3							
DB 1-170	Sluice Valve, dia 80 mm, PN10	Nr	4							
DB 1-171	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1-172	Sluice Valve, dia 150 mm, PN10	Nr	3							
DB 1-173	Sluice Valve, dia 250 mm, PN10	Nr	1							
DB 1-174	Sluice Valve, dia 300 mm, PN10	Nr	1							
	Depicted in Drawing No: 40-C-17									
DB 1-175	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	127							
Total of page BOQ - 582 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-176	Double Socket Bend, dia 250 mm x 1 1/4 ⁰	Nr	2							
DB 1-177	Double Socket Bend, dia 250 mm x 2 1/2 ⁰	Nr	3							
DB 1-178	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	1							
	<u>For Air Valve Points (PN 10)</u>									
DB 1-179	Double Socket Tee with Flanged Branch, dia 150 x 80 mm	Nr	1							
DB 1-180	Double Socket Tee with Flanged Branch, dia 200 x 80 mm	Nr	2							
DB 1-181	Connection Adaptor, dia 150 mm	Nr	2							
DB 1-182	Connection Adaptor, dia 200 mm	Nr	4							
DB 1-183	Collar, dia 150 mm	Nr	1							
DB 1-184	Collar, dia 200 mm	Nr	2							
DB 1-185	Single Orifice Air Valve, dia 80 mm	Nr	3							
DB 1-186	Ball Valve, dia 80 mm	Nr	3							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-187	Double Socket I/Tee with Flanged Branch, dia 200 x 80 mm	Nr	2							
DB 1-188	Double Socket I/Tee with Flanged Branch, dia 250 x 80 mm	Nr	1							
DB 1-189	Connection Adaptor, dia 200 mm	Nr	4							
DB 1-190	Collar, dia 200 mm	Nr	2							
DB 1-191	Collar, dia 250 mm	Nr	1							
	<u>For Wash Out (PN 10)</u>									
DB 1-192	Flanged Spigot, dia 80 mm	Nr	9							
DB 1-193	Connection Adaptor (DI/PVC), dia 80 mm	Nr	3							
DB 1-194	Collar, dia 80 mm	Nr	3							
DB 1-195	Sluice Valve, dia 80 mm	Nr	3							
	<u>Junction Detail</u>									
DB 1-196	Socket Tee, dia 150 x 80 mm,	Nr	1							
DB 1-197	Socket Tee, dia 150 x 100 mm,	Nr	1							
Total of page BOQ - 583 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-198	Socket Tee, dia 150 x 150 mm,	Nr	1							
DB 1-199	Socket Tee, dia 200 x 80 mm,	Nr	3							
DB 1-200	Socket Tee, dia 200 x 150 mm,	Nr	1							
DB 1-201	Socket Tee, dia 250 x 100 mm,	Nr	2							
DB 1-202	Socket Reducer, dia 200 x 150 mm,	Nr	1							
DB 1-203	Socket Reducer, dia 250 x 200 mm,	Nr	1							
DB 1-204	Double Socket Bend, dia 150 mm x 45°	Nr	1							
DB 1-205	Flanged Spigot, dia 80 mm, PN10	Nr	12							
DB 1-206	Flanged Spigot, dia 100 mm, PN10	Nr	2							
DB 1-207	Flanged Spigot, dia 150 mm, PN10	Nr	5							
DB 1-208	Flanged Spigot, dia 200 mm, PN10	Nr	3							
DB 1-209	Short Plain Pipe(2m), dia 80 mm	Nr	1							
DB 1-210	Short Plain Pipe(2m), dia 150 mm	Nr	17							
DB 1-211	Short Plain Pipe(2m), dia 200 mm	Nr	17							
DB 1-212	Short Plain Pipe(2m), dia 250 mm	Nr	4							
DB 1-213	Flanged Adaptor, dia 150 mm, PN10	Nr	5							
DB 1-214	Flanged Adaptor, dia 200 mm, PN10	Nr	3							
DB 1-215	Connection Adaptor (DI/PVC), dia 80 x 90 mm, PN10	Nr	2							
DB 1-216	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	7							
DB 1-217	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	8							
DB 1-218	Collar, dia 80 mm,	Nr	5							
DB 1-219	Collar, dia 150 mm,	Nr	10							
DB 1-220	Collar, dia 200 mm,	Nr	10							
DB 1-221	End Cap, dia 80 mm, DI	Nr	4							
DB 1-222	End Cap, dia 100 mm, DI	Nr	1							
DB 1-223	Sluice Valve, dia 80 mm, PN10	Nr	6							
Total of page BOQ - 584 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-224	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1-225	Sluice Valve, dia 150 mm, PN10	Nr	5							
DB 1-226	Sluice Valve, dia 200 mm, PN10	Nr	3							
	Depicted in Drawing No: 40-C-18									
DB 1-227	Socket & Spigot Pipes, dia 100 mm length 6 m, T Type	m	101							
DB 1-228	Double Socket Bend, dia 100 mm x 11 ¹ / ₄ ⁰	Nr	6							
DB 1-229	Double Socket Bend, dia 100 mm x 22 ¹ / ₂ ⁰	Nr	2							
DB 1-230	Double Socket Bend, dia 100 mm x 45 ⁰	Nr	1							
	<u>For Air Valve Points (PN 10)</u>									
DB 1-231	Double Socket Tee with Flanged Branch, dia 100 x 80 mm	Nr	2							
DB 1-232	Conection Adaptor, dia 100 mm	Nr	2							
DB 1-233	Collar, dia 100 mm	Nr	2							
DB 1-234	Single Orifice Air Valve, dia 80 mm	Nr	2							
DB 1-235	Ball Valve, dia 80 mm	Nr	2							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-236	Double Socket I/Tee with Flanged Branch, dia 80 x 80 mm	Nr	2							
DB 1-237	Double Socket I/Tee with Flanged Branch, dia 100 x 80 mm	Nr	1							
DB 1-238	Double Socket I/Tee with Flanged Branch, dia 150 x 80 mm	Nr	2							
DB 1-239	Connection Adaptor, dia 80 mm	Nr	2							
DB 1-240	Connection Adaptor, dia 100 mm	Nr	2							
DB 1-241	Connection Adaptor, dia 150 mm	Nr	4							
DB 1-242	Collar, dia 80 mm	Nr	2							
DB 1-243	Collar, dia 100 mm	Nr	1							
DB 1-244	Collar, dia 150 mm	Nr	2							
	<u>For Wash Out (PN 10)</u>									
Total of page BOQ - 585 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-245	Flanged Spigot, dia 80 mm	Nr	9							
DB 1-246	Connection Adaptor (DI/PVC), dia 80 mm	Nr	3							
DB 1-247	Collar, dia 80 mm	Nr	3							
DB 1-248	Sluice Valve, dia 80 mm	Nr	3							
	Junction Detail									
DB 1-249	Socket Tee, dia 80 x 80 mm,	Nr	1							
DB 1-250	Socket Tee, dia 100 x 100 mm,	Nr	1							
DB 1-251	Socket Tee, dia 150 x 80 mm,	Nr	1							
DB 1-252	Socket Reducer, dia 100 x 80 mm,	Nr	2							
DB 1-253	Socket Reducer, dia 150 x 80 mm,	Nr	1							
DB 1-254	Flanged Spigot, dia 80 mm, PN10	Nr	12							
DB 1-255	Short Plain Pipe(2m), dia 80 mm	Nr	5							
DB 1-256	Short Plain Pipe(2m), dia 100 mm	Nr	3							
DB 1-257	Short Plain Pipe(2m), dia 150 mm	Nr	4							
DB 1-258	Connection Adaptor (DI/PVC), dia 80 x 90 mm, PN10	Nr	6							
DB 1-259	Connection Adaptor (DI/PVC), dia 100 x 110 mm, PN10	Nr	1							
DB 1-260	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	1							
DB 1-261	Collar, dia 80 mm,	Nr	6							
DB 1-262	End Cap, dia 80 mm, DI	Nr	1							
DB 1-263	Sluice Valve, dia 80 mm, PN10	Nr	6							
	Depicted in Drawing No: 40-C-20									
DB 1-264	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	244							
DB 1-265	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	1							
DB 1-266	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	4							
DB 1-267	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	2							
DB 1-268	Double Socket Bend, dia 250 mm x 90 ⁰	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
	<u>For Air Valve Points (PN 10)</u>									
DB 1-269	Double Socket Tee with Flanged Branch, dia 200 x 80 mm	Nr	2							
DB 1-270	Double Socket Tee with Flanged Branch, dia 250 x 80 mm	Nr	1							
DB 1-271	Conection Adaptor, dia 200 mm	Nr	4							
DB 1-272	Collar, dia 200 mm	Nr	2							
DB 1-273	Collar, dia 250 mm	Nr	1							
DB 1-274	Single Orifice Air Valve, dia 80 mm	Nr	3							
DB 1-275	Ball Valve, dia 80 mm	Nr	3							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-276	Double Socket I/Tee with Flanged Branch, dia 200 x 80 mm	Nr	3							
DB 1-277	Double Socket I/Tee with Flanged Branch, dia 250 x 80 mm	Nr	1							
DB 1-278	Connection Adaptor, dia 200 mm	Nr	6							
DB 1-279	Collar, dia 200 mm	Nr	3							
DB 1-280	Collar, dia 250 mm	Nr	1							
	<u>For Wash Out (PN 10)</u>									
DB 1-281	Flanged Spigot, dia 80 mm	Nr	12							
DB 1-282	Connection Adaptor (DI/PVC), dia 80 mm	Nr	4							
DB 1-283	Collar, dia 80 mm	Nr	4							
DB 1-284	Sluice Valve, dia 80 mm	Nr	4							
	<u>Junction Detail</u>									
DB 1-285	Socket Tee, dia 100 x 100 mm,	Nr	1							
DB 1-286	Socket Tee, dia 150 x 150 mm,	Nr	1							
DB 1-287	Socket Tee, dia 200 x 100 mm,	Nr	1							
DB 1-288	Socket Tee, dia 200 x 150 mm,	Nr	1							
DB 1-289	Socket Tee, dia 200 x 200 mm,	Nr	5							
DB 1-290	Socket Tee, dia 250 x 200 mm,	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1-291	Socket Reducer, dia 200 x 100 mm,	Nr	1						
DB 1-292	Socket Reducer, dia 200 x 150 mm,	Nr	2						
DB 1-293	Socket Reducer, dia 250 x 200 mm,	Nr	1						
DB 1-294	Flanged Spigot, dia 100 mm, PN10	Nr	2						
DB 1-295	Flanged Spigot, dia 150 mm, PN10	Nr	1						
DB 1-296	Flanged Spigot, dia 200 mm, PN10	Nr	9						
DB 1-297	Short Plain Pipe(2m), dia 100 mm	Nr	4						
DB 1-298	Short Plain Pipe(2m), dia 150 mm	Nr	5						
DB 1-299	Short Plain Pipe(2m), dia 200 mm	Nr	26						
DB 1-300	Flanged Adaptor, dia 150 mm, PN10	Nr	1						
DB 1-301	Flanged Adaptor, dia 200 mm, PN10	Nr	9						
DB 1-302	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	4						
DB 1-303	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	9						
DB 1-304	Collar, dia 100 mm,	Nr	2						
DB 1-305	Collar, dia 150 mm,	Nr	2						
DB 1-306	Collar, dia 200 mm,	Nr	11						
DB 1-307	Collar, dia 250 mm,	Nr	1						
DB 1-308	End Cap, dia 100 mm, DI	Nr	1						
DB 1-309	End Cap, dia 200 mm, DI	Nr	3						
DB 1-310	Sluice Valve, dia 100 mm, PN10	Nr	1						
DB 1-311	Sluice Valve, dia 150 mm, PN10	Nr	1						
DB 1-312	Sluice Valve, dia 200 mm, PN10	Nr	9						
	Depicted in Drawing No: 40-C-22								
DB 1-313	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	170						
DB 1-314	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	2						
DB 1-315	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	1						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-316	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	1							
DB 1-317	Double Socket Bend, dia 250 mm x 90 ⁰	Nr	2							
	Junction Detail									
DB 1-318	Socket Tee, dia 200 x 200 mm,	Nr	1							
DB 1-319	Socket Tee, dia 250 x 200 mm,	Nr	1							
DB 1-320	Socket Reducer, dia 250 x 150 mm,	Nr	1							
DB 1-321	Flanged Spigot, dia 150 mm, PN10	Nr	1							
DB 1-322	Flanged Spigot, dia 200 mm, PN10	Nr	1							
DB 1-323	Short Plain Pipe(2m), dia 150 mm	Nr	1							
DB 1-324	Short Plain Pipe(2m), dia 200 mm	Nr	5							
DB 1-325	Flanged Adaptor, dia 150 mm, PN10	Nr	1							
DB 1-326	Flanged Adaptor, dia 200 mm, PN10	Nr	1							
DB 1-327	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	2							
DB 1-328	Collar, dia 200 mm,	Nr	2							
DB 1-329	Collar, dia 250 mm,	Nr	1							
DB 1-330	End Cap, dia 150 mm, DI	Nr	1							
DB 1-331	Sluice Valve, dia 150 mm, PN10	Nr	1							
DB 1-332	Sluice Valve, dia 200 mm, PN10	Nr	1							
	Depicted in Drawing No: 40-C-23									
DB 1-333	Socket & Spigot Pipes, dia 100 mm length 6 m, T Type	m	100							
DB 1-334	Double Socket Bend, dia 100 mm x 11 ¹ / ₄ ⁰	Nr	3							
DB 1-335	Double Socket Bend, dia 100 mm x 22 ¹ / ₂ ⁰	Nr	7							
DB 1-336	Double Socket Bend, dia 100 mm x 45 ⁰	Nr	2							
DB 1-337	Double Socket Bend, dia 100 mm x 90 ⁰	Nr	2							
	For Air Valve Points (PN 10)									
DB 1-338	Double Socket Tee with Flanged Branch, dia 80 x 80 mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-339	Conection Adaptor, dia 80 mm	Nr	2							
DB 1-340	Collar, dia 80 mm	Nr	1							
DB 1-341	Single Orifice Air Valve, dia 80 mm	Nr	1							
DB 1-342	Ball Valve, dia 80 mm	Nr	1							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-343	Double Socket I/Tee with Flanged Branch, dia 80 x 80 mm	Nr	1							
DB 1-344	Double Socket I/Tee with Flanged Branch, dia 100 x 80 mm	Nr	1							
DB 1-345	Connection Adaptor, dia 80 mm	Nr	2							
DB 1-346	Collar, dia 80 mm	Nr	1							
DB 1-347	Collar, dia 100 mm	Nr	1							
	<u>For Wash Out (PN 10)</u>									
DB 1-348	Flanged Spigot, dia 80 mm	Nr	6							
DB 1-349	Connection Adaptor (DI/PVC), dia 80 mm	Nr	2							
DB 1-350	Collar, dia 80 mm	Nr	2							
DB 1-351	Sluice Valve, dia 80 mm	Nr	2							
	<u>Junction Detail</u>									
DB 1-352	Socket Tee, dia 100 x 100 mm,	Nr	1							
DB 1-353	Flanged Spigot, dia 100 mm, PN10	Nr	2							
DB 1-354	Connection Adaptor (DI/PVC), dia 100 x 110 mm, PN10	Nr	2							
DB 1-355	Collar, dia 100 mm,	Nr	2							
DB 1-356	Sluice Valve, dia 100 mm, PN10	Nr	1							
	<u>Depicted in Drawing No: 40-C-24</u>									
DB 1-357	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	63							
DB 1-358	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	1							
DB 1-359	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	2							
DB 1-360	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>								
DB 1-361	Double Socket I/Tee with Flanged Branch, dia 200 x 80 mm	Nr	1						
DB 1-362	Connection Adaptor, dia 200 mm	Nr	2						
DB 1-363	Collar, dia 200 mm	Nr	1						
	<u>For Wash Out (PN 10)</u>								
DB 1-364	Flanged Spigot, dia 80 mm	Nr	3						
DB 1-365	Connection Adaptor (DI/PVC), dia 80 mm	Nr	1						
DB 1-366	Collar, dia 80 mm	Nr	1						
DB 1-367	Sluice Valve, dia 80 mm	Nr	1						
	<u>Junction Detail</u>								
DB 1-368	Socket Tee, dia 150 x 150 mm,	Nr	1						
DB 1-369	Socket Tee, dia 200 x 150 mm,	Nr	1						
DB 1-370	Socket Tee, dia 250 x 200 mm,	Nr	1						
DB 1-371	Socket Tee, dia 250 x 250 mm,	Nr	1						
DB 1-372	Socket Reducer, dia 150 x 100 mm,	Nr	1						
DB 1-373	Socket Reducer, dia 200 x 150 mm,	Nr	1						
DB 1-374	Socket Reducer, dia 250 x 150 mm,	Nr	1						
DB 1-375	Socket Reducer, dia 250 x 200 mm,	Nr	1						
DB 1-376	Flanged Spigot, dia 100 mm, PN10	Nr	2						
DB 1-377	Flanged Spigot, dia 150 mm, PN10	Nr	3						
DB 1-378	Flanged Spigot, dia 200 mm, PN10	Nr	1						
DB 1-379	Short Plain Pipe(2m), dia 150 mm	Nr	10						
DB 1-380	Short Plain Pipe(2m), dia 200 mm	Nr	4						
DB 1-381	Flanged Adaptor, dia 150 mm, PN10	Nr	3						
DB 1-382	Flanged Adaptor, dia 200 mm, PN10	Nr	1						
DB 1-383	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-384	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	2							
DB 1-385	Collar, dia 150 mm,	Nr	4							
DB 1-386	Collar, dia 200 mm,	Nr	1							
DB 1-387	Collar, dia 250 mm,	Nr	2							
DB 1-388	End Cap, dia 150 mm, DI	Nr	1							
DB 1-389	End Cap, dia 200 mm, DI	Nr	2							
DB 1-390	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1-391	Sluice Valve, dia 150 mm, PN10	Nr	3							
DB 1-392	Sluice Valve, dia 200 mm, PN10	Nr	1							
	Depicted in Drawing No: 40-C-25									
DB 1-393	Socket & Spigot Pipes, dia 300 mm length 6 m, T Type	m	71							
DB 1-394	Double Socket Bend, dia 300 mm x 11 ¹ / ₄ ⁰	Nr	1							
	Junction Detail									
DB 1-395	Socket Tee, dia 300 x 200 mm,	Nr	1							
DB 1-396	Socket Tee, dia 300 x 300 mm,	Nr	1							
DB 1-397	Socket Reducer, dia 300 x 200 mm,	Nr	2							
DB 1-398	Flanged Spigot, dia 200 mm, PN10	Nr	3							
DB 1-399	Short Plain Pipe(2m), dia 200 mm	Nr	4							
DB 1-400	Flanged Adaptor, dia 200 mm, PN10	Nr	3							
DB 1-401	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	3							
DB 1-402	Collar, dia 300 mm,	Nr	2							
DB 1-403	Sluice Valve, dia 200 mm, PN10	Nr	3							
	Depicted in Drawing No: 40-C-27									
DB 1-404	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	139							
DB 1-405	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	5							
DB 1-406	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1-407	Double Socket Bend, dia 250 mm x 45 ⁰ Junction Detail	Nr	1						
DB 1-408	Socket Tee, dia 200 x 200 mm,	Nr	1						
DB 1-409	Socket Tee, dia 250 x 250 mm,	Nr	1						
DB 1-410	Socket Reducer, dia 200 x 150 mm,	Nr	2						
DB 1-411	Socket Reducer, dia 250 x 150 mm,	Nr	1						
DB 1-412	Socket Reducer, dia 250 x 200 mm,	Nr	1						
DB 1-413	Flanged Spigot, dia 150 mm, PN10	Nr	3						
DB 1-414	Flanged Spigot, dia 200 mm, PN10	Nr	1						
DB 1-415	Short Plain Pipe(2m), dia 150 mm	Nr	6						
DB 1-416	Short Plain Pipe(2m), dia 200 mm	Nr	5						
DB 1-417	Flanged Adaptor, dia 150 mm, PN10	Nr	3						
DB 1-418	Flanged Adaptor, dia 200 mm, PN10	Nr	1						
DB 1-419	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	3						
DB 1-420	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	2						
DB 1-421	Collar, dia 150 mm,	Nr	3						
DB 1-422	Collar, dia 200 mm,	Nr	2						
DB 1-423	Collar, dia 250 mm,	Nr	2						
DB 1-424	Sluice Valve, dia 150 mm, PN10	Nr	3						
DB 1-425	Sluice Valve, dia 200 mm, PN10 Depicted in Drawing No: 40-C-35	Nr	1						
DB 1-426	Socket & Spigot Pipes, dia 200 mm length 6 m, T Type	m	40						
DB 1-427	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	219						
DB 1-428	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	10						
DB 1-429	Double Socket Bend, dia 200 mm x 22 ¹ / ₂ ⁰	Nr	4						
DB 1-430	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	3						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-431	Double Socket Bend, dia 200 mm x 45 ^o	Nr	1							
DB 1-432	Double Socket Bend, dia 250 mm x 45 ^o	Nr	2							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
DB 1-433	Double Socket I/Tee with Flanged Branch, dia 250 x 80 mm	Nr	1							
DB 1-434	Collar, dia 250 mm	Nr	1							
	<u>For Wash Out (PN 10)</u>									
DB 1-435	Flanged Spigot, dia 80 mm	Nr	3							
DB 1-436	Connection Adaptor (DI/PVC), dia 80 mm	Nr	1							
DB 1-437	Collar, dia 80 mm	Nr	1							
DB 1-438	Sluice Valve, dia 80 mm	Nr	1							
	<u>Junction Detail</u>									
DB 1-439	Socket Tee, dia 200 x 150 mm,	Nr	1							
DB 1-440	Socket Tee, dia 250 x 250 mm,	Nr	1							
DB 1-441	Socket Reducer, dia 150 x 100 mm,	Nr	1							
DB 1-442	Socket Reducer, dia 200 x 150 mm,	Nr	1							
DB 1-443	Socket Reducer, dia 250 x 150 mm,	Nr	1							
DB 1-444	Socket Reducer, dia 250 x 200 mm,	Nr	1							
DB 1-445	Flanged Spigot, dia 100 mm, PN10	Nr	2							
DB 1-446	Flanged Spigot, dia 150 mm, PN10	Nr	2							
DB 1-447	Flanged Spigot, dia 200 mm, PN10	Nr	1							
DB 1-448	Short Plain Pipe(2m), dia 100 mm	Nr	1							
DB 1-449	Short Plain Pipe(2m), dia 150 mm	Nr	3							
DB 1-450	Flanged Adaptor, dia 150 mm, PN10	Nr	2							
DB 1-451	Flanged Adaptor, dia 200 mm, PN10	Nr	1							
DB 1-452	Collar, dia 100 mm,	Nr	1							
DB 1-453	Collar, dia 200 mm,	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-454	Collar, dia 250 mm,	Nr	1							
DB 1-455	End Cap, dia 150 mm, DI	Nr	2							
DB 1-456	Sluice Valve, dia 100 mm, PN10	Nr	1							
DB 1-457	Sluice Valve, dia 150 mm, PN10	Nr	2							
DB 1-458	Sluice Valve, dia 200 mm, PN10	Nr	1							
	Depicted in Drawing No: 40-C-37									
DB 1-459	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	119							
DB 1-460	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	3							
DB 1-461	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	2							
DB 1-462	Double Socket Bend, dia 250 mm x 90 ⁰	Nr	1							
	For Valve Points (PN 10)									
DB 1-463	Flanged Spigot, dia 250mm	Nr	1							
DB 1-464	Flanged Adaptor, dia 250mm	Nr	1							
DB 1-465	Collar, dia 250mm	Nr	2							
DB 1-466	Sluice Valve, dia 250mm	Nr	1							
	Depicted in Drawing No: 40-C-38									
DB 1-467	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	187							
DB 1-468	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ⁰	Nr	8							
DB 1-469	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ⁰	Nr	4							
DB 1-470	Double Socket Bend, dia 250 mm x 45 ⁰	Nr	3							
DB 1-471	End Cap dia 250 mm (PN 10)	Nr	1							
	For Valve Points (PN 10)									
DB 1-472	Flanged Spigot, dia 250mm	Nr	1							
DB 1-473	Flanged Adaptor, dia 250mm	Nr	1							
DB 1-474	Collar, dia 250mm	Nr	2							
DB 1-475	Sluice Valve, dia 250mm	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Depicted in Drawing No: 40-C-39								
DB 1-476	Socket & Spigot Pipes, dia 450 mm length 6 m, T Type	m	1205						
DB 1-477	Socket & Spigot Pipes, dia 500 mm length 6 m, T Type	m	681						
DB 1-478	Double Socket Bend, dia 450 mm x 11 ¹ / ₄ ⁰	Nr	20						
DB 1-479	Double Socket Bend, dia 500 mm x 11 ¹ / ₄ ⁰	Nr	12						
DB 1-480	Double Socket Bend, dia 450 mm x 22 ¹ / ₂ ⁰	Nr	8						
DB 1-481	Double Socket Bend, dia 500 mm x 22 ¹ / ₂ ⁰	Nr	24						
DB 1-482	Double Socket Bend, dia 450 mm x 45 ⁰	Nr	1						
DB 1-483	Double Socket Bend, dia 500 mm x 45 ⁰	Nr	1						
DB 1-484	Double Socket Bend, dia 500 mm x 90 ⁰	Nr	1						
DB 1-485	End Cap dia 450 mm (PN 10)	Nr	1						
	<u>For Valve Points (PN 10)</u>								
DB 1-486	Flanged Spigot, dia 450mm	Nr	1						
DB 1-487	Flanged Adaptor, dia 450mm	Nr	1						
DB 1-488	Collar, dia 450mm	Nr	2						
DB 1-489	Butterfly Valve, dia 450mm	Nr	1						
	<u>For Air Valve Points (PN 10)</u>								
DB 1-490	Double Socket Tee with Flanged Branch, dia 450 x 100 mm	Nr	3						
DB 1-491	Double Socket Tee with Flanged Branch, dia 500 x 100 mm	Nr	2						
DB 1-492	Collar, dia 450 mm	Nr	6						
DB 1-493	Collar, dia 500 mm	Nr	4						
DB 1-494	Double Orifice Air Valve, dia 100 mm	Nr	5						
DB 1-495	Ball Valve, dia 100 mm	Nr	5						
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>								
DB 1-496	Double Socket I/Tee with Flanged Branch, dia 450 x 100 mm	Nr	3						
DB 1-497	Double Socket I/Tee with Flanged Branch, dia 500 x 100 mm	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-498	Collar, dia 450 mm	Nr	3							
DB 1-499	Collar, dia 500 mm	Nr	2							
	<u>For Wash Out (PN 10)</u>									
DB 1-500	Flanged Spigot, dia 80 mm	Nr	15							
DB 1-501	Connection Adaptor (DI/PVC), dia 80 mm	Nr	5							
DB 1-502	Collar, dia 80 mm	Nr	5							
DB 1-503	Sluice Valve, dia 80 mm	Nr	5							
	<u>Junction Detail</u>									
DB 1-504	Socket Tee, dia 450 x 400 mm,	Nr	1							
DB 1-505	Socket Tee, dia 500 x 500 mm,	Nr	1							
DB 1-506	Socket Reducer, dia 500 x 450 mm,	Nr	1							
DB 1-507	Flanged Spigot, dia 400 mm, PN10	Nr	1							
DB 1-508	Flanged Spigot, dia 450 mm, PN10	Nr	1							
DB 1-509	Flanged Spigot, dia 500 mm, PN10	Nr	2							
DB 1-510	Short Plain Pipe(2m), dia 400 mm	Nr	1							
DB 1-511	Flanged Adaptor, dia 400 mm, PN10	Nr	1							
DB 1-512	Flanged Adaptor, dia 450 mm, PN10	Nr	1							
DB 1-513	Flanged Adaptor, dia 500 mm, PN10	Nr	2							
DB 1-514	Collar, dia 400 mm,	Nr	3							
DB 1-515	Collar, dia 450 mm,	Nr	4							
DB 1-516	Collar, dia 500 mm,	Nr	2							
DB 1-517	End Cap, dia 500 mm, DI	Nr	1							
DB 1-518	Butterfly Valve, dia 400 mm	Nr	1							
DB 1-519	Butterfly Valve, dia 450 mm	Nr	2							
DB 1-520	Butterfly Valve, dia 500 mm	Nr	1							
	Depicted in Drawing No: 40-C-40									
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1-521	Socket & Spigot Pipes, dia 400 mm length 6 m, T Type	m	329						
DB 1-522	Double Socket Bend, dia 400 mm x 11 ¹ / ₄ ^o	Nr	4						
DB 1-523	Double Socket Bend, dia 400 mm x 22 ¹ / ₂ ^o	Nr	5						
DB 1-524	Double Socket Bend, dia 400 mm x 45 ^o	Nr	1						
DB 1-525	End Cap dia 400 mm (PN 10)	Nr	1						
	<u>For Valve Points (PN 10)</u>								
DB 1-526	Flanged Spigot, dia 400mm	Nr	1						
DB 1-527	Flanged Adaptor, dia 400mm	Nr	1						
DB 1-528	Collar, dia 400mm	Nr	2						
DB 1-529	Butterfly Valve, dia 400mm	Nr	1						
	Depicted in Drawing No: 40-C-41								
DB 1-530	Socket & Spigot Pipes, dia 250 mm length 6 m, T Type	m	279						
DB 1-531	Double Socket Bend, dia 250 mm x 11 ¹ / ₄ ^o	Nr	10						
DB 1-532	Double Socket Bend, dia 250 mm x 22 ¹ / ₂ ^o	Nr	5						
DB 1-533	Double Socket Bend, dia 250 mm x 45 ^o	Nr	6						
DB 1-534	End Cap dia 250 mm (PN 10)	Nr	1						
	<u>For Valve Points (PN 10)</u>								
DB 1-535	Flanged Spigot, dia 250mm	Nr	1						
DB 1-536	Flanged Adaptor, dia 250mm	Nr	1						
DB 1-537	Collar, dia 250mm	Nr	2						
DB 1-538	Sluice Valve, dia 250mm	Nr	1						
	<u>Junction Detail</u>								
DB 1-539	Socket Tee, dia 250 x 250 mm,	Nr	1						
DB 1-540	Flanged Spigot, dia 250 mm, PN10	Nr	2						
DB 1-541	Flanged Adaptor, dia 250 mm, PN10	Nr	2						
DB 1-542	Collar, dia 250 mm,	Nr	2						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-543	End Cap, dia 250 mm	Nr	1							
DB 1-544	Sluice Valve, dia 250 mm, PN10	Nr	2							
	Depicted in Other Drawings (No: 40-C-02~11, 13, 14, 19, 21, 26, 28~34, 36)									
DB 1-545	Conection Adaptor, dia 80 mm (PN 10)	Nr	2							
DB 1-546	Conection Adaptor, dia 100 mm (PN 10)	Nr	4							
DB 1-547	Conection Adaptor, dia 150 mm (PN 10)	Nr	2							
DB 1-548	End Cap dia 80 mm (PN 10)	Nr	2							
DB 1-549	End Cap dia 100 mm (PN 10)	Nr	4							
DB 1-550	End Cap dia 150 mm (PN 10)	Nr	3							
	<u>For Air Valve Points (PN 10)</u>									
DB 1-551	Double Socket Tee with Flanged Branch, dia 80 x 80 mm	Nr	1							
DB 1-552	Double Socket Tee with Flanged Branch, dia 100 x 80 mm	Nr	5							
DB 1-553	Double Socket Tee with Flanged Branch, dia 150 x 80 mm	Nr	11							
DB 1-554	Double Socket Tee with Flanged Branch, dia 200 x 80 mm	Nr	5							
DB 1-555	Conection Adaptor, dia 80 mm	Nr	2							
DB 1-556	Conection Adaptor, dia 100 mm	Nr	10							
DB 1-557	Conection Adaptor, dia 150 mm	Nr	22							
DB 1-558	Conection Adaptor, dia 200 mm	Nr	10							
DB 1-559	Collar, dia 80 mm	Nr	3							
DB 1-560	Collar, dia 100 mm	Nr	5							
DB 1-561	Collar, dia 150 mm	Nr	9							
DB 1-562	Collar, dia 200 mm	Nr	5							
DB 1-563	Single Orifice Air Valve, dia 80 mm	Nr	22							
DB 1-564	Ball Valve, dia 80 mm	Nr	22							
	<u>For Culvert/Utility Crossing and Depression Point (PN 10)</u>									
Total of page BOQ - 599 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-565	Double Socket I/Tee with Flanged Branch, dia 80 x 80 mm	Nr	7							
DB 1-566	Double Socket I/Tee with Flanged Branch, dia 100 x 80 mm	Nr	9							
DB 1-567	Double Socket I/Tee with Flanged Branch, dia 150 x 80 mm	Nr	16							
DB 1-568	Double Socket I/Tee with Flanged Branch, dia 200 x 80 mm	Nr	10							
DB 1-569	Connection Adaptor, dia 80 mm	Nr	8							
DB 1-570	Connection Adaptor, dia 100 mm	Nr	14							
DB 1-571	Connection Adaptor, dia 150 mm	Nr	26							
DB 1-572	Connection Adaptor, dia 200 mm	Nr	14							
DB 1-573	Collar, dia 80 mm	Nr	5							
DB 1-574	Collar, dia 100 mm	Nr	8							
DB 1-575	Collar, dia 150 mm	Nr	16							
DB 1-576	Collar, dia 200 mm	Nr	10							
	<u>For Wash Out (PN 10)</u>									
DB 1-577	Double Socket Bend, dia 80 mm x 45°	Nr	6							
DB 1-578	Flanged Spigot, dia 80 mm	Nr	114							
DB 1-579	Connection Adaptor (DI/PVC), dia 80 mm	Nr	38							
DB 1-580	Collar, dia 80 mm	Nr	38							
DB 1-581	Sluice Valve, dia 80 mm	Nr	38							
	<u>For Valve Points (PN 10)</u>									
DB 1-582	Flanged Spigot, dia 80 mm	Nr	2							
DB 1-583	Flanged Spigot, dia 100 mm	Nr	4							
DB 1-584	Flanged Spigot, dia 150mm	Nr	3							
DB 1-585	Flanged Adaptor, dia 80 mm	Nr	2							
DB 1-586	Flanged Adaptor, dia 100 mm	Nr	4							
DB 1-587	Flanged Adaptor, dia 150mm	Nr	3							
DB 1-588	Connection Adaptor (DI/PVC), dia 150mm	Nr	2							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-589	Collar, dia 80 mm	Nr	4							
DB 1-590	Collar, dia 100 mm	Nr	8							
DB 1-591	Collar, dia 150 mm	Nr	6							
DB 1-592	Sluice Valve, dia 80 mm	Nr	2							
DB 1-593	Sluice Valve, dia 100 mm	Nr	4							
DB 1-594	Sluice Valve, dia 150mm	Nr	3							
	Junction Detail									
DB 1-595	Socket Tee, dia 80 x 80 mm,	Nr	2							
DB 1-596	Socket Tee, dia 100 x 80 mm,	Nr	3							
DB 1-597	Socket Tee, dia 100 x 100 mm,	Nr	2							
DB 1-598	Socket Tee, dia 150 x 80 mm,	Nr	2							
DB 1-599	Socket Tee, dia150 x 100 mm,	Nr	1							
DB 1-600	Socket Tee, dia 150 x 150 mm,	Nr	7							
DB 1-601	Socket Tee, dia 200 x 80 mm,	Nr	1							
DB 1-602	Socket Tee, dia 200 x 150 mm,	Nr	1							
DB 1-603	Socket Tee, dia 200 x 200 mm,	Nr	8							
DB 1-604	Socket Tee, dia 250 x 250 mm,	Nr	1							
DB 1-605	Socket Reducer, dia 150 x 80 mm,	Nr	8							
DB 1-606	Socket Reducer, dia 150 x 100 mm,	Nr	3							
DB 1-607	Socket Reducer, dia 200 x 100 mm,	Nr	3							
DB 1-608	Socket Reducer, dia 200 x 150 mm,	Nr	11							
DB 1-609	Socket Reducer, dia 250 x 200 mm,	Nr	2							
DB 1-610	Double Socket Bend, dia 80 mm x 45°	Nr	1							
DB 1-611	Double Socket Bend, dia 150 mm x 45°	Nr	1							
DB 1-612	Double Socket Bend, dia 80 mm x 90°	Nr	1							
DB 1-613	Double Socket Bend, dia 150 mm x 90°	Nr	1							
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1-614	Flanged Spigot, dia 80 mm, PN10	Nr	34						
DB 1-615	Flanged Spigot, dia 100 mm, PN10	Nr	21						
DB 1-616	Flanged Spigot, dia 150 mm, PN10	Nr	18						
DB 1-617	Flanged Spigot, dia 200 mm, PN10	Nr	6						
DB 1-618	Short Plain Pipe(2m), dia 80 mm	Nr	22						
DB 1-619	Short Plain Pipe(2m), dia 100 mm	Nr	18						
DB 1-620	Short Plain Pipe(2m), dia 150 mm	Nr	70						
DB 1-621	Short Plain Pipe(2m), dia 200 mm	Nr	48						
DB 1-622	Short Plain Pipe(2m), dia 250 mm	Nr	3						
DB 1-623	Flanged Adaptor, dia 100 mm, PN10	Nr	1						
DB 1-624	Flanged Adaptor, dia 150 mm, PN10	Nr	18						
DB 1-625	Flanged Adaptor, dia 200 mm, PN10	Nr	6						
DB 1-626	Connection Adaptor (DI/PVC), dia 80 x 90 mm, PN10	Nr	14						
DB 1-627	Connection Adaptor (DI/PVC), dia 100 x 110 mm, PN10	Nr	19						
DB 1-628	Connection Adaptor (DI/PVC), dia 150 x 160 mm, PN10	Nr	21						
DB 1-629	Connection Adaptor (DI/PVC), dia 200 x 225 mm, PN10	Nr	18						
DB 1-630	Collar, dia 80 mm,	Nr	17						
DB 1-631	Collar, dia 100 mm,	Nr	8						
DB 1-632	Collar, dia 150 mm,	Nr	27						
DB 1-633	Collar, dia 200 mm,	Nr	23						
DB 1-634	Collar, dia 250 mm,	Nr	2						
DB 1-635	End Cap, dia 80 mm	Nr	6						
DB 1-636	End Cap, dia 150 mm	Nr	4						
DB 1-637	Sluice Valve, dia 80 mm, PN10	Nr	17						
DB 1-638	Sluice Valve, dia 100 mm, PN10	Nr	11						
DB 1-639	Sluice Valve, dia 150 mm, PN10	Nr	18						
Total of page BOQ - 602 to DB 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 1: Supply of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT			
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	
DB 1-640	Sluice Valve, dia 200 mm, PN10 For Pipe Bridge Across River (PN 10)	Nr	6							
DB 1-641	Double Flange Tee, dia 200 x 80 mm, PN10	Nr	1							
DB 1-642	Double Socket Tee with Flanged Branch, dia 150 x 80 mm, PN10	Nr	1							
DB 1-643	Double Socket Bend, dia 150 mm x 45°	Nr	4							
DB 1-644	Flange Spigot, dia 200 mm, PN10	Nr	2							
DB 1-645	Double Flange Bend, dia 200 mm x 45°	Nr	4							
DB 1-646	Double Flange Pipe (4m), dia 200 mm, PN10	Nr	2							
DB 1-647	Double Flange Pipe (4m), dia 250 mm, PN10	Nr	2							
DB 1-648	Double Flange Short Piece (0.5m), dia 200 mm, PN10	Nr	4							
DB 1-649	Double Flange Short Piece (0.5m), dia 250 mm, PN10	Nr	3							
DB 1-650	Double Flange Short Piece (1.5m), dia 200 mm, PN10	Nr	2							
DB 1-651	Flange Short piece(2m), dia 250 mm, PN10	Nr	2							
DB 1-652	Collar, dia 150 mm,	Nr	3							
DB 1-653	Collar, dia 200 mm,	Nr	4							
DB 1-654	Collar, dia 250 mm,	Nr	5							
DB 1-655	Air Valve (Single Orifice), dia 80 mm, PN10	Nr	2							
DB 1-656	Ball Valve, dia 80 mm, PN10	Nr	2							
Total of page BOQ - 603 to DB 1 Bill Summary										

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 2: Supply of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Supply and Delivery at site all Distribution PVC pipes and fittings including rubber rings, jointing materials and all other associated materials required for complete installation</p> <p>All pipes and fittings shall be with rubber ring joints unless specified</p> <p>All PVC pipes & fittings shall be Type 1000 except drainage pipes in Type 600</p> <p>Rate is including the cost of pipes/fittings to compensate for the cost of specials.</p>						
DB 2 - 1	90 mm dia	m	3,830				
DB 2 - 2	110 mm dia	m	3,790				
DB 2 - 3	160 mm dia	m	6,640				
DB 2 - 4	225 mm dia	m	7,410				
Total of page BOQ - 604 to DB 2 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench DI Pipes Specials & Fittings as Specified</p> <p>Rate to include for making of trial hole, excavation, cutting pipes, shoring & dewatering (where necessary), bedding unless otherwise specified, backfilling or filling with imported material (where necessary), compaction & disposal of excess and unsuitable material as directed by the Engineer, and laying all pipes and valves as depicted in drawings.</p> <p>Excavation and back filling of pipe trenches with approved soil or river sand. Trench width & depth is given separately as depicted in drawings.</p> <p>Distribution Main (40-C-01: No.1600 - 1500)</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
DB 3 - 1	250 mm dia	m	1,090				
DB 3 - 2	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 3 - 3	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	2				
	<p><u>Extra over Items for Culvert Crossings in Distribution Main</u></p> <p>Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.</p>						
DB 3 - 4	Type 'B'	Nr	2				
	<p><u>Extra over Items for River Crossings in Distribution Main</u></p> <p>Rate to Truss/Beam Bridge for additional excavation, additional shoring, cofferdam, forming embankment, rubble pitching, sheet pile setting, piles, setting of DI pipe and fittings where necessary, making good of any damage to the existing structures, road or embankment</p>						
Total of page BOQ - 605 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3 - 5	Type PB-2 (L =8 m)	Nr	1				
DB 3 - 6	Type PB-6 (L = 9 m)	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3 - 7	Horizontal Bend (dia 225-250 mm)	Nr	67				
DB 3 - 8	Tee (dia 225-250 mm)	Nr	2				
DB 3 - 9	Taper (dia 225-250 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering,construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 3- 10	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering,construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3- 11	Sluice valve (chamber type)	Nr	2				
DB 3- 12	Sluice valve (box type)	Nr	6				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 13	Air valve (single orifice) <u>Extra over Items for Break Pressure Chamber in Distribution Main</u>	Nr	1				
DB 3- 14	Break pressure chamber <u>Extra over Items for Concrete Block for Distribution Main on Slope</u>	Nr	1				
DB 3- 15	Type A1 <u>Miscellaneous</u>	Nr	100				
DB 3- 16	Road reinstatement (Temporary)	m ²	877				
DB 3- 17	Demolition of existing asphalt road surface	m ³	87				
DB 3- 18	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	7				
DB 3- 19	250 mm dia Distribution Main (40-C-12: No.2080 - 2029) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,090				
DB 3- 20	100 mm dia	m	34				
DB 3- 21	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3- 22	Tee (dia 90-150 mm)	Nr	1				
	<u>Miscellaneous</u>						
DB 3- 23	Road reinstatement (Temporary)	m ²	32				
DB 3- 24	Demolition of existing asphalt road surface	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3- 25	100 mm dia	m	34				
	<u>Distribution Main (40-C-15: No.2600 - 2040)</u>						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 3- 26	300 mm dia	m	222				
DB 3- 27	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	ltem	1				
DB 3- 28	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3- 29	Horizontal Bend (dia 300-350 mm)	Nr	10				
Total of page BOQ - 608 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 30	Tee (dia 300-350 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 3- 31	Sluice valve (chamber type) <u>Miscellaneous</u>	Nr	1				
DB 3- 32	Road reinstatement (Temporary)	m ²	186				
DB 3- 33	Demolition of existing asphalt road surface	m ³	18				
DB 3- 34	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
DB 3- 35	300 mm dia <u>Distribution Main (40-C-16: 3200 - 3065)</u> <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	222				
DB 3- 36	300 mm dia	m	589				
DB 3- 37	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 38	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	1				
DB 3- 39	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
DB 3- 40	Horizontal Bend (dia 300-350 mm)	Nr	37				
DB 3- 41	Tee (dia 300-350 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	3				
DB 3- 42	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	3				
DB 3- 43	Sluice valve (chamber type)	Nr	5				
Total of page BOQ - 610 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 44	Sluice valve (box type)	Nr	2				
DB 3- 45	Air valve (single orifice)	Nr	2				
	<u>Extra over Items for Concrete Block for Distribution Main on Slope</u>						
DB 3- 46	Type A2 <u>Miscellaneous</u>	Nr	50				
DB 3- 47	Road reinstatement (Temporary)	m ²	471				
DB 3- 48	Demolition of existing asphalt road surface	m ³	47				
DB 3- 49	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	4				
DB 3- 50	300 mm dia Distribution Main (40-C-17: No.3073 - 3108) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	589				
DB 3- 51	250 mm dia	m	127				
DB 3- 52	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
Total of page BOQ - 611 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 3- 53	Type 'B'	Nr	2				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3- 54	Horizontal Bend (dia 225-250 mm)	Nr	6				
DB 3- 55	Tee (dia 225-250 mm)	Nr	2				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 3- 56	Wash out	Nr	1				
	<u>Miscellaneous</u>						
DB 3- 57	Road reinstatement (Temporary)	m ²	113				
DB 3- 58	Demolition of existing asphalt road surface	m ³	11				
DB 3- 59	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
Total of page BOQ - 612 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 60	250 mm dia Distribution Main (40-C-18: No.3106 - 3069) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	127				
DB 3- 61	100 mm dia	m	101				
DB 3- 62	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 3- 63	Horizontal Bend (dia 90-150 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	5				
DB 3- 64	Air valve (single orifice) <u>Miscellaneous</u>	Nr	1				
DB 3- 65	Road reinstatement (Temporary)	m ²	81				
DB 3- 66	Demolition of existing asphalt road surface <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	8				
Total of page BOQ - 613 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 67	100 mm dia Distribution Main (40-C-20: No.4100 - 4018) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	101				
DB 3- 68	250 mm dia	m	244				
DB 3- 69	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 3- 70	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
DB 3- 71	Horizontal Bend (dia 225-250 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	7				
DB 3- 72	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	1				
Total of page BOQ - 614 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 73	Air valve (single orifice)	Nr	1				
DB 3- 74	Sluice Valve (Valve Box)	Nr	1				
DB 3- 75	Sluice Valve (Chamber)	Nr	8				
	<u>Extra over Items for Concrete Block for Distribution Main on Slope</u>						
DB 3- 76	Type B2 <u>Miscellaneous</u>	Nr	60				
DB 3- 77	Road reinstatement (Temporary)	m ²	203				
DB 3- 78	Demolition of existing asphalt road surface	m ³	20				
DB 3- 79	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	1				
DB 3- 80	250 mm dia <u>Distribution Main (40-C-22: No.5100 - 5056)</u> <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	244				
DB 3- 81	250 mm dia	m	170				
DB 3- 82	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3- 83	Horizontal Bend (dia 225-250 mm)	Nr	4				
DB 3- 84	Tee (dia 160-200 mm)	Nr	1				
DB 3- 85	Tee (dia 225-250 mm)	Nr	1				
DB 3- 86	Taper (dia 160-200 mm)	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3- 87	Sluice Valve (Valve Box)	Nr	2				
	<u>Miscellaneous</u>						
DB 3- 88	Road reinstatement (Temporary)	m ²	146				
DB 3- 89	Demolition of existing asphalt road surface	m ³	14				
DB 3- 90	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3- 91	250 mm dia	m	170				
	Distribution Main (40-C-23: No.5055 - 5046)						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 3- 92	100 mm dia	m	100				
DB 3- 93	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3- 94	Horizontal Bend (dia 90-150 mm)	Nr	18				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 3- 95	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3- 96	Sluice Valve (Valve Box)	Nr	2				
	<u>Miscellaneous</u>						
DB 3- 97	Road reinstatement (Temporary)	m ²	90				
Total of page BOQ - 617 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3- 98	Demolition of existing asphalt road surface	m ³	9				
DB 3- 99	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
DB 3-100	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u> 100 mm dia Distribution Main (40-C-24: No.6100 - 6019) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	100				
DB 3-101	250 mm dia	m	63				
DB 3-102	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 3-103	Horizontal Bend (dia 225-250 mm) <u>Miscellaneous</u>	Nr	4				
DB 3-104	Road reinstatement (Temporary)	m ²	56				
DB 3-105	Demolition of existing asphalt road surface	m ³	5				
DB 3-106	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-107	250 mm dia Distribution Main (40-C-25: No.7200 - 7105) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	63				
DB 3-108	300 mm dia	m	71				
DB 3-109	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 3-110	Horizontal Bend (dia 160-200 mm)	Nr	1				
DB 3-111	Horizontal Bend (dia 300-350 mm)	Nr	2				
DB 3-112	Tee (dia 300-350 mm)	Nr	2				
DB 3-113	Taper (dia 300-350 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 3-114	Sluice Valve (Chamber) <u>Miscellaneous</u>	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-115	Road reinstatement (Temporary)	m ²	65				
DB 3-116	Demolition of existing asphalt road surface	m ³	6				
DB 3-117	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3-118	300 mm dia Distribution Main (40-C-27: No.8200 - 8087) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	71				
DB 3-119	250 mm dia	m	139				
DB 3-120	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 3-121	Horizontal Bend (dia 225-250 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	6				
DB 3-122	Sluice Valve (Chamber)	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
DB 3-123	Road reinstatement (Temporary)	m ²	113				
DB 3-124	Demolition of existing asphalt road surface	m ³	11				
DB 3-125	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3-126	250 mm dia Distribution Main (40-C-35: No.12100 - 12005) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	139				
DB 3-127	200 mm dia	m	40				
DB 3-128	250 mm dia	m	220				
DB 3-129	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 3-130	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3-131	Horizontal Bend (dia 160-200 mm)	Nr	4				
DB 3-132	Horizontal Bend (dia 225-250 mm)	Nr	13				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-133	Vertical Bend (dia 225-250 mm)	Nr	2				
DB 3-134	Tee (dia 160-200 mm)	Nr	1				
DB 3-135	Tee (dia 225-250 mm)	Nr	1				
DB 3-136	Tapper(dia 90-150 mm)	Nr	1				
DB 3-137	Tapper(dia 160-200 mm)	Nr	1				
DB 3-138	Tapper(dia 225-250 mm)	Nr	2				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering,construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 3-139	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering,construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3-140	Sluice Valve (Chamber)	Nr	1				
DB 3-141	Sluice Valve (Box)	Nr	3				
	<u>Miscellaneous</u>						
Total of page BOQ - 622 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-142	Road reinstatement (Temporary)	m ²	211				
DB 3-143	Demolition of existing asphalt road surface	m ³	21				
DB 3-144	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	1				
DB 3-145	200 mm dia	m	40				
DB 3-146	250 mm dia <u>Distribution Main (40-C-37: No.13000 - 13001)</u> <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	220				
DB 3-147	250 mm dia	m	119				
DB 3-148	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 3-149	Horizontal Bend (dia 225-250 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	6				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-150	Sluice Valve (Chamber) Miscellaneous	Nr	1				
DB 3-151	Road reinstatement (Temporary)	m ²	105				
DB 3-152	Demolition of existing asphalt road surface	m ³	10				
DB 3-153	Excavation in rock including disposal of excavated material (Provisional). Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.	m ³	1				
DB 3-154	250 mm dia Distribution Main (40-C-38: 14000 - 14001) Depth to invert of pipes not exceeding 2.0 m	m	119				
DB 3-155	250 mm dia	m	187				
DB 3-156	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) Extra over Items for Thrust block in Distribution Main	Item	1				
DB 3-157	Horizontal Bend (dia 225-250 mm) Extra over Items for Valve chamber in Distribution Main Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	15				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-158	Sluice Valve (Chamber) <u>Miscellaneous</u>	Nr	1				
DB 3-159	Road reinstatement (Temporary)	m ²	154				
DB 3-160	Demolition of existing asphalt road surface	m ³	15				
DB 3-161	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	1				
DB 3-162	250 mm dia Distribution Main (40-C-39: No.14000 - 14003) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	187				
DB 3-163	450 mm dia	m	1,205				
DB 3-164	500 mm dia	m	681				
DB 3-165	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 3-166	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvertr Crossings in Distribution Main</u>	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 3-167	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	7				
DB 3-168	Horizontal Bend (dia 400-500 mm)	Nr	68				
DB 3-169	Tee (dia 400-500 mm)	Nr	2				
DB 3-170	Taper (dia 400-500 mm) <u>Extra over Items for Wash out in Distribution Main</u>	Nr	1				
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 3-171	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u>	Nr	5				
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3-172	Air valve (Double orifice)	Nr	5				
DB 3-173	Butterfly Valve	Nr	5				
DB 3-174	Sluice valve (Valve Box)	Nr	5				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
DB 3-175	Road reinstatement (Temporary)	m ²	1,795				
DB 3-176	Demolition of existing asphalt road surface	m ³	179				
DB 3-177	Excavation in rock including disposal of excavated material (Provisional).	m ³	13				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3-178	450 mm dia	m	1,205				
DB 3-179	500 mm dia	m	681				
	<u>Distribution Main (40-C-40: No.14002 - 14004)</u>						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 3-180	400 mm dia	m	330				
DB 3-181	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 3-182	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 3-183	Horizontal Bend (dia 400-500 mm)	Nr	9				
Total of page BOQ - 627 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 3-184	Butterfly Valve	Nr	1				
	<u>Miscellaneous</u>						
DB 3-185	Road reinstatement (Temporary)	m ²	297				
DB 3-186	Demolition of existing asphalt road surface	m ³	29				
DB 3-187	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3-188	400 mm dia	m	330				
	<u>Distribution Main (40-C-41: No.15000 - 15001)</u>						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 3-189	250 mm dia	m	280				
DB 3-190	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
Total of page BOQ - 628 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-191	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	1				
DB 3-192	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
DB 3-193	Horizontal Bend (dia 225-250 mm)	Nr	21				
DB 3-194	Vertical Bend (dia 225-250 mm) <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 3-195	Sluice Valve (Chamber) <u>Miscellaneous</u>	Nr	3				
DB 3-196	Road reinstatement (Temporary)	m ²	227				
DB 3-197	Demolition of existing asphalt road surface	m ³	22				
Total of page BOQ - 629 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 3: Laying of DI Pipes/Valves/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3-198	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 3-199	250 mm dia	m	280				
Total of page BOQ - 630 to DB 3 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<p>Laying & Jointing in Open Trench PVC Pipes Specials & Fittings as Specified.</p> <p>Rate to include for making of trial holes, excavation, cutting pipes, shoring & dewatering, backfilling or filling with selected material (where necessary), compaction & disposal of excess & unsuitable material as directed by the Engineer</p> <p>Excavation and back filling of pipe trenches with approved soil or river sand. Trench width & depth is given separately as depicted in drawings.</p> <p>Distribution Main (40-C-01: No.1600 - 1500)</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p>						
DB 4 - 1	160 mm dia	m	210				
DB 4 - 2	225 mm dia	m	760				
DB 4 - 3	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4 - 4	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	2				
	<p><u>Extra over Items for Culvert Crossings in Distribution Main</u></p> <p>Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.</p>						
Total of page BOQ - 631 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4 - 5	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	7				
DB 4 - 6	Horizontal Bend (dia 160-200 mm)	Nr	12				
DB 4 - 7	Horizontal Bend (dia 225-250 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	28				
DB 4 - 8	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 4 - 9	Air valve (single orifice) <u>Miscellaneous</u>	Nr	4				
Total of page BOQ - 632 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 10	Road reinstatement (Temporary)	m ²	796				
DB 4- 11	Demolition of existing asphalt road surface	m ³	79				
DB 4- 12	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4- 13	160 mm dia	m	210				
DB 4- 14	225 mm dia	m	760				
	Distribution Main (40-C-02: No.1600 - 2002)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4- 15	110 mm dia	m	660				
DB 4- 16	225 mm dia	m	220				
DB 4- 17	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 18	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	2				
Total of page BOQ - 633 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4- 19	Type 'B'	Nr	6				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4- 20	Horizontal Bend (dia 90-150 mm)	Nr	44				
DB 4- 21	Horizontal Bend (dia 160-200 mm)	Nr	1				
DB 4- 22	Horizontal Bend (dia 225-250 mm)	Nr	15				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 23	Wash out	Nr	2				
Total of page BOQ - 634 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 24	Sluice valve (chamber type)	Nr	1				
DB 4- 25	Sluice valve (Box Type)	Nr	7				
DB 4- 26	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4- 27	Road reinstatement (Temporary)	m ²	715				
DB 4- 28	Demolition of existing asphalt road surface	m ³	71				
DB 4- 29	Excavation in rock including disposal of excavated material (Provisional).	m ³	6				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4- 30	110 mm dia	m	660				
Total of page BOQ - 635 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 31	225 mm dia Distribution Main (40-C-03: No.1063 - 1048) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	220				
DB 4- 32	90 mm dia	m	1,030				
DB 4- 33	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 34	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	2				
DB 4- 35	Type 'B'	Nr	6				
DB 4- 36	Type 'E' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
Total of page BOQ - 636 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 37	Horizontal Bend (dia 90-150 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	49				
DB 4- 38	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	1				
DB 4- 39	Sluice valve (Box Type)	Nr	2				
DB 4- 40	Air valve (single orifice) <u>Miscellaneous</u>	Nr	1				
DB 4- 41	Road reinstatement (Temporary)	m ²	828				
DB 4- 42	Demolition of existing asphalt road surface	m ³	82				
Total of page BOQ - 637 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 43	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	7				
DB 4- 44	90 mm dia Distribution Main (40-C-04: No.1034 - 1033) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,030				
DB 4- 45	225 mm dia	m	240				
DB 4- 46	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 47	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
DB 4- 48	Horizontal Bend (dia 90-150 mm)	Nr	2				
DB 4- 49	Horizontal Bend (dia 160-200 mm)	Nr	8				
Total of page BOQ - 638 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 50	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 51	Sluice valve (chamber type)	Nr	2				
DB 4- 52	Sluice valve (box type)	Nr	1				
DB 4- 53	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4- 54	Road reinstatement (Temporary)	m ²	195				
Total of page BOQ - 639 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 55	Demolition of existing asphalt road surface	m ³	19				
DB 4- 56	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4- 57	225 mm dia Distribution Main (40-C-05: No.1056-1057) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	240				
DB 4- 58	160 mm dia	m	560				
DB 4- 59	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 60	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for River Crossings in Distribution Main</u> Rate to Truss/Beam Bridge for additional excavation, additional shoring, cofferdam, forming embankment, rubble pitching, sheet pile setting, piles, setting of DI pipe and fittings where necessary, making good of any damage to the existing structures, road or embankment	Nr	1				
DB 4- 61	Type PB-3 (L =7 m)	Nr	1				
Total of page BOQ - 640 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4- 62	Horizontal Bend (dia 160-200 mm)	Nr	43				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 63	Wash out	Nr	3				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 64	Sluice valve (chamber type)	Nr	3				
DB 4- 65	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
Total of page BOQ - 641 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 66	Road reinstatement (Temporary)	m ²	455				
DB 4- 67	Demolition of existing asphalt road surface	m ³	45				
DB 4- 68	Excavation in rock including disposal of excavated material (Provisional).	m ³	4				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4- 69	160 mm dia Distribution Main (40-C-06: No.1064 - 2082) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	560				
DB 4- 70	160 mm dia	m	420				
DB 4- 71	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 72	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
Total of page BOQ - 642 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 73	Horizontal Bend (dia 160-200 mm)	Nr	43				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 74	Wash out	Nr	3				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 75	Sluice valve (chamber type)	Nr	3				
DB 4- 76	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4- 77	Road reinstatement (Temporary)	m ²	341				
Total of page BOQ - 643 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 78	Demolition of existing asphalt road surface	m ³	34				
DB 4- 79	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4- 80	160 mm dia Distribution Main (40-C-07: No.1037 - 1059) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	420				
DB 4- 81	90 mm dia	m	440				
DB 4- 82	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4- 83	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
DB 4- 84	Horizontal Bend (dia 90-150 mm)	Nr	17				
Total of page BOQ - 644 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 85	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 86	Sluice valve (box type)	Nr	2				
DB 4- 87	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4- 88	Road reinstatement (Temporary)	m ²	357				
DB 4- 89	Demolition of existing asphalt road surface	m ³	35				
Total of page BOQ - 645 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4- 85	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4- 86	Sluice valve (box type)	Nr	2				
DB 4- 87	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4- 88	Road reinstatement (Temporary)	m ²	357				
DB 4- 89	Demolition of existing asphalt road surface	m ³	35				
Total of page BOQ - 646 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4- 96	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures. Type 'B'	Nr	7				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4- 97	Horizontal Bend (dia 90-150 mm)	Nr	1				
DB 4- 98	Horizontal Bend (dia 160-200 mm)	Nr	40				
DB 4- 99	Horizontal Bend (dia 225-250 mm)	Nr	5				
DB 4-100	Tee (dia 90-150 mm)	Nr	1				
DB 4-101	Tee (dia 160-200 mm)	Nr	1				
DB 4-102	Tee (dia 225-250 mm)	Nr	1				
DB 4-103	Taper (dia 90-150 mm)	Nr	1				
DB 4-104	Taper (dia 160-200 mm)	Nr	2				
Total of page BOQ - 647 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-105	Taper (dia 225-250 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	2				
DB 4-106	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 4-107	Sluice valve (chamber type)	Nr	5				
DB 4-108	Sluice valve (box type)	Nr	1				
DB 4-109	Air valve (single orifice) <u>Extra over Items for Concrete Block for Distribution Main on Slope</u>	Nr	2				
Total of page BOQ - 648 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-110	Type B1 <u>Miscellaneous</u>	Nr	50				
DB 4-111	Road reinstatement (Temporary)	m ²	877				
DB 4-112	Demolition of existing asphalt road surface	m ³	87				
DB 4-113	Excavation in rock including disposal of excavated material (Provisional). <u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>	m ³	7				
DB 4-114	160 mm dia	m	880				
DB 4-115	225 mm dia Distribution Main (40-C-09: No.2700 - 2006) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	200				
DB 4-116	110 mm dia	m	890				
Total of page BOQ - 649 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-117	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-118	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
DB 4-119	Horizontal Bend (dia 90-150 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	20				
DB 4-120	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	2				
DB 4-121	Sluice valve (box type)	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-122	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-123	Road reinstatement (Temporary)	m ²	715				
DB 4-124	Demolition of existing asphalt road surface	m ³	71				
DB 4-125	Excavation in rock including disposal of excavated material (Provisional).	m ³	6				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-126	110 mm dia	m	890				
	Distribution Main (40-C-10: No.2084 - 2083)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-127	90 mm dia	m	760				
DB 4-128	160 mm dia	m	1,400				
Total of page BOQ - 651 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-129	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-130	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	2				
DB 4-131	Type 'B'	Nr	14				
DB 4-132	Type 'E' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	3				
DB 4-133	Horizontal Bend (dia 90-150 mm)	Nr	34				
DB 4-134	Horizontal Bend (dia 160-200 mm) <u>Extra over Items for Wash out in Distribution Main</u>	Nr	57				
Total of page BOQ - 652 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-135	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings. Wash out	Nr	4				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-136	Sluice valve (box type)	Nr	3				
DB 4-137	Air valve (single orifice)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-138	Road reinstatement (Temporary)	m ²	1,755				
DB 4-139	Demolition of existing asphalt road surface	m ³	175				
DB 4-140	Excavation in rock including disposal of excavated material (Provisional).	m ³	15				
Total of page BOQ - 653 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-141	90 mm dia	m	760				
DB 4-142	160 mm dia	m	1,400				
	Distribution Main (40-C-11: No.2078 - 2079)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-143	160 mm dia	m	290				
DB 4-144	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-145	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-146	Horizontal Bend (dia 160-200 mm)	Nr	15				
	<u>Extra over Items for Wash out in Distribution Main</u>						
Total of page BOQ - 654 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-147	<p>Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.</p> <p>Wash out</p> <p><u>Extra over Items for Valve chamber in Distribution Main</u></p> <p>Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.</p>	Nr	1				
DB 4-148	Sluice valve (chamber type)	Nr	1				
DB 4-149	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-150	Road reinstatement (Temporary)	m ²	235				
DB 4-151	Demolition of existing asphalt road surface	m ³	23				
DB 4-152	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-153	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u> 160 mm dia	m	1				
	Distribution Main (40-C-12: No.2080 - 2029) <u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-154	110 mm dia	m	560				
DB 4-155	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-156	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	1				
DB 4-157	Type 'B'	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-158	Horizontal Bend (dia 90-150 mm)	Nr	22				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-159	Wash out	Nr	3				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-160	Sluice valve (box type)	Nr	2				
DB 4-161	Air valve (single orifice)	Nr	1				
	<u>Extra over Items for Concrete Block for Distribution Main on Slope</u>						
Total of page BOQ - 657 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-162	Type A1 <u>Miscellaneous</u>	Nr	70				
DB 4-163	Road reinstatement (Temporary)	m ²	446				
DB 4-164	Demolition of existing asphalt road surface	m ³	44				
DB 4-165	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-166	110 mm dia Distribution Main (40-C-13: No.2600 - 2015) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	560				
DB 4-167	110 mm dia	m	350				
DB 4-168	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
Total of page BOQ - 658 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-169	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
DB 4-170	Horizontal Bend (dia 90-150 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	20				
DB 4-171	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	1				
DB 4-172	Sluice valve (box type)	Nr	1				
DB 4-173	Air valve (single orifice)	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
DB 4-174	Road reinstatement (Temporary)	m ²	284				
DB 4-175	Demolition of existing asphalt road surface	m ³	28				
DB 4-176	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-177	110 mm dia Distribution Main (40-C-14: No.2067 - 2052) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	350				
DB 4-178	225 mm dia	m	800				
DB 4-179	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-180	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
Total of page BOQ - 660 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-181	Horizontal Bend (dia 225-250 mm)	Nr	43				
DB 4-182	Tee (dia 225-250 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-183	Wash out	Nr	3				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-184	Sluice valve (chamber type)	Nr	2				
DB 4-185	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-186	Road reinstatement (Temporary)	m ²	650				
Total of page BOQ - 661 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-187	Demolition of existing asphalt road surface	m ³	65				
DB 4-188	Excavation in rock including disposal of excavated material (Provisional).	m ³	5				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-189	225 mm dia Distribution Main (40-C-15: No.2600 - 2040) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	800				
DB 4-190	225 mm dia	m	670				
DB 4-191	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-192	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u>	Nr	1				
Total of page BOQ - 662 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-193	<p>Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.</p> <p>Type 'B'</p> <p><u>Extra over Items for River Crossings in Distribution Main</u></p> <p>Rate to Truss/Beam Bridge for additional excavation, additional shoring, cofferdam, forming embankment, rubble pitching, sheet pile setting, piles, setting of DI pipe and fittings where necessary, making good of any damage to the existing structures, road or embankment</p>	Nr	1				
DB 4-194	<p>Type PB-1 (L =13 m)</p> <p><u>Extra over Items for Thrust block in Distribution Main</u></p>	Nr	1				
DB 4-195	Horizontal Bend (dia 90-150 mm)	Nr	1				
DB 4-196	Horizontal Bend (dia 225-250 mm)	Nr	44				
DB 4-197	Tee (dia 90-150 mm)	Nr	2				
DB 4-198	Tee (dia 160-200 mm)	Nr	2				
Total of page BOQ - 663 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-199	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-200	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-201	Road reinstatement (Temporary)	m ²	544				
DB 4-202	Demolition of existing asphalt road surface	m ³	54				
DB 4-203	Excavation in rock including disposal of excavated material (Provisional).	m ³	4				
Total of page BOQ - 664 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-204	<p><u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u></p> <p>225 mm dia</p>	m	670				
DB 4-205	<p>Distribution Main (40-C-16: No.3200 - 3065)</p> <p><u>Depth to invert of pipes not exceeding 2.0 m</u></p> <p>160 mm dia</p>	m	650				
DB 4-206	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-207	<p>Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition</p> <p><u>Extra over Items for Culvert Crossings in Distribution Main</u></p> <p>Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.</p>	Nr	1				
DB 4-208	<p>Type 'B'</p> <p><u>Extra over Items for Thrust block in Distribution Main</u></p>	Nr	1				
Total of page BOQ - 665 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-209	Horizontal Bend (dia 90-150 mm)	Nr	2				
DB 4-210	Horizontal Bend (dia 160-200 mm)	Nr	29				
DB 4-211	Tee (dia 90-150 mm)	Nr	6				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-212	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-213	Sluice valve (box type)	Nr	3				
DB 4-214	Air valve (single orifice)	Nr	1				
Total of page BOQ - 666 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Miscellaneous</u>						
DB 4-215	Road reinstatement (Temporary)	m ²	528				
DB 4-216	Demolition of existing asphalt road surface	m ³	52				
DB 4-217	Excavation in rock including disposal of excavated material (Provisional).	m ³	4				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-218	225 mm dia Distribution Main (40-C-17: No.3073 - 3108) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	650				
DB 4-219	160 mm dia	m	470				
DB 4-220	225 mm dia	m	720				
DB 4-221	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
Total of page BOQ - 667 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-222	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	2				
DB 4-223	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	4				
DB 4-224	Horizontal Bend (dia 160-200 mm)	Nr	20				
DB 4-225	Horizontal Bend (dia 225-250 mm)	Nr	33				
DB 4-226	Tee (dia 90-150 mm)	Nr	5				
DB 4-227	Tee (dia 160-200 mm) <u>Extra over Items for Wash out in Distribution Main</u>	Nr	4				
Total of page BOQ - 668 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-228	<p>Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.</p> <p>Wash out</p> <p><u>Extra over Items for Valve chamber in Distribution Main</u></p> <p>Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.</p>	Nr	2				
DB 4-229	Sluice valve (chamber type)	Nr	8				
DB 4-230	Sluice valve (box type)	Nr	7				
DB 4-231	Air valve (single orifice)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-232	Road reinstatement (Temporary)	m ²	958				
DB 4-233	Demolition of existing asphalt road surface	m ³	95				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-234	Excavation in rock including disposal of excavated material (Provisional).	m ³	8				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-235	160 mm dia	m	470				
DB 4-236	225 mm dia	m	720				
	Distribution Main (40-C-18: No.3106 - 3069)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-237	90 mm dia	m	880				
DB 4-238	110 mm dia	m	250				
DB 4-239	160 mm dia	m	440				
DB 4-240	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-241	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4-242	Type 'B'	Nr	7				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-243	Horizontal Bend (dia 90-150 mm)	Nr	56				
DB 4-244	Horizontal Bend (dia 160-200 mm)	Nr	22				
DB 4-245	Tee (dia 90-150 mm)	Nr	4				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-246	Wash out	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-247	Sluice valve (box type)	Nr	6				
DB 4-248	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-249	Road reinstatement (Temporary)	m ²	1,275				
DB 4-250	Demolition of existing asphalt road surface	m ³	127				
DB 4-251	Excavation in rock including disposal of excavated material (Provisional).	m ³	11				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-252	90 mm dia	m	880				
DB 4-253	110 mm dia	m	250				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-254	160 mm dia Distribution Main (40-C-19: No.3117 - 3118) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	440				
DB 4-255	90 mm dia	m	300				
DB 4-256	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-257	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	1				
DB 4-258	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-259	Horizontal Bend (dia 90-150 mm)	Nr	11				
DB 4-260	Tee (dia 90-150 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-261	Wash out	Nr	2				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-262	Sluice valve (box type)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-263	Road reinstatement (Temporary)	m ²	243				
DB 4-264	Demolition of existing asphalt road surface	m ³	24				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-265	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-266	90 mm dia Distribution Main (40-C-20: No.4100 - 4018) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	300				
DB 4-267	225 mm dia	m	1,030				
DB 4-268	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-269	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	2				
DB 4-270	Type 'B'	Nr	4				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-271	Horizontal Bend (dia 225-250 mm)	Nr	45				
DB 4-272	Tee (dia 90-150 mm)	Nr	2				
DB 4-273	Tee (dia 160-200 mm)	Nr	5				
DB 4-274	Tee (dia 225-250 mm)	Nr	1				
DB 4-275	Taper (dia 225-250 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-276	Wash out	Nr	3				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-277	Air valve (single orifice)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-278	Road reinstatement (Temporary)	m ²	836				
DB 4-279	Demolition of existing asphalt road surface	m ³	83				
DB 4-280	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-281	225 mm dia Distribution Main (40-C-21: 4200 - 4018) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,030				
DB 4-282	225 mm dia	m	1,090				
DB 4-283	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-284	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	2				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4-285	Type 'B'	Nr	2				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-286	Horizontal Bend (dia 160-200 mm)	Nr	1				
DB 4-287	Horizontal Bend (dia 225-250 mm)	Nr	54				
DB 4-288	Tee (dia 160-200 mm)	Nr	3				
DB 4-289	Taper (dia 160-200 mm)	Nr	2				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-290	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	4				
DB 4-291	Air valve (single orifice)	Nr	3				
DB 4-292	Sluice Valve (Valve Box)	Nr	1				
DB 4-293	Sluice Valve (Chamber)	Nr	3				
	<u>Miscellaneous</u>						
DB 4-294	Road reinstatement (Temporary)	m ²	885				
DB 4-295	Demolition of existing asphalt road surface	m ³	88				
DB 4-296	Excavation in rock including disposal of excavated material (Provisional).	m ³	7				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-297	225 mm dia Distribution Main (40-C-23: No.5055 - 5046) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	1,090				
DB 4-298	90 mm dia	m	440				
DB 4-299	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-300	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
DB 4-301	Horizontal Bend (dia 90-150 mm)	Nr	21				
DB 4-302	Tee (dia 90-150 mm)	Nr	1				
DB 4-303	Taper (dia 90-150 mm)	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-304	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-305	Air valve (single orifice)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-306	Road reinstatement (Temporary)	m ²	357				
DB 4-307	Demolition of existing asphalt road surface	m ³	35				
DB 4-308	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-309	90 mm dia Distribution Main (40-C-24: No.6100 - 6019) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	440				
DB 4-310	225 mm dia	m	170				
DB 4-311	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering) <u>Extra over Items for Thrust block in Distribution Main</u>	Item	1				
DB 4-312	Horizontal Bend (dia 225-250 mm)	Nr	5				
DB 4-313	Tee (dia 90-150 mm)	Nr	1				
DB 4-314	Tee (dia 160-200 mm)	Nr	1				
DB 4-315	Tee (dia 225-250 mm)	Nr	2				
DB 4-316	Taper (dia 90-150 mm)	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-317	Taper (dia 160-200 mm)	Nr	1				
DB 4-318	Taper (dia 225-250 mm)	Nr	2				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-319	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
DB 4-320	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-321	Sluice Valve (Valve Box)	Nr	1				
DB 4-322	Sluice Valve (Chamber)	Nr	4				
	<u>Miscellaneous</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-323	Road reinstatement (Temporary)	m ²	81				
DB 4-324	Demolition of existing asphalt road surface	m ³	8				
DB 4-325	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-326	225 mm dia Distribution Main (40-C-26: No.7105 - 7044) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	170				
DB 4-327	225 mm dia	m	350				
DB 4-328	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-329	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-330	Horizontal Bend (dia 225-250 mm)	Nr	14				
DB 4-331	Tee (dia 90-150 mm)	Nr	1				
DB 4-332	Taper (dia 90-150 mm)	Nr	1				
DB 4-333	Taper (dia 160-200 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-334	Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-335	Sluice Valve (Valve Box)	Nr	2				
	<u>Miscellaneous</u>						
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-336	Road reinstatement (Temporary)	m ²	284				
DB 4-337	Demolition of existing asphalt road surface	m ³	28				
DB 4-338	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-339	225 mm dia Distribution Main (40-C-27: No.8200 - 8087) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	350				
DB 4-340	225 mm dia	m	670				
DB 4-341	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-342	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	1				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-343	Horizontal Bend (dia 225-250 mm)	Nr	37				
DB 4-344	Tee (dia 90-150 mm)	Nr	1				
DB 4-345	Tee (dia 225-250 mm)	Nr	1				
DB 4-346	Taper (dia 160-200 mm)	Nr	2				
DB 4-347	Taper (dia 225-250 mm)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-349	Road reinstatement (Temporary)	m ²	544				
DB 4-350	Demolition of existing asphalt road surface	m ³	54				
DB 4-351	Excavation in rock including disposal of excavated material (Provisional).	m ³	4				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-352	225 mm dia Distribution Main (40-C-28: No.8024 - 8094)	m	670				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-353	160 mm dia	m	430				
DB 4-354	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-355	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4-356	Type 'B'	Nr	2				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-357	Horizontal Bend (dia 160-200 mm)	Nr	18				
DB 4-358	Tee (dia 90-150 mm)	Nr	3				
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GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-359	Taper (dia 90-150 mm) <u>Extra over Items for Wash out in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.	Nr	4				
DB 4-360	Wash out <u>Extra over Items for Valve chamber in Distribution Main</u> Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.	Nr	1				
DB 4-361	Air valve (single orifice)	Nr	1				
DB 4-362	Sluice Valve (Chamber)	Nr	1				
DB 4-363	Sluice Valve (Valve Box) <u>Miscellaneous</u>	Nr	3				
Total of page BOQ - 689 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-364	Road reinstatement (Temporary)	m ²	296				
DB 4-365	Demolition of existing asphalt road surface	m ³	29				
DB 4-366	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-367	160 mm dia Distribution Main (40-C-29: No.8089 - 8088) <u>Depth to invert of pipes not exceeding 2.0 m</u>	m	430				
DB 4-368	160 mm dia	m	540				
DB 4-369	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-370	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u>	Nr	1				
Total of page BOQ - 690 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-371	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures. Type 'B'	Nr	2				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-372	Horizontal Bend (dia 90-150 mm)	Nr	1				
DB 4-373	Horizontal Bend (dia 160-200 mm)	Nr	11				
DB 4-374	Tee (dia 90-150 mm)	Nr	2				
DB 4-375	Taper(dia 90-150 mm)	Nr	6				
	<u>Extra over Items for Wash out in Distribution Main</u>						
DB 4-376	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings. Wash out	Nr	1				
Total of page BOQ - 691 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
DB 4-377	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-378	Air valve (single orifice)	Nr	1				
DB 4-379	Sluice valve (Valve Box)	Nr	4				
	<u>Miscellaneous</u>						
DB 4-380	Road reinstatement (Temporary)	m ²	372				
DB 4-381	Demolition of existing asphalt road surface	m ³	37				
DB 4-382	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-383	160 mm dia	m	540				
	Distribution Main (40-C-31: No.10300 - 10049)						
Total of page BOQ - 692 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-384	225 mm dia	m	380				
DB 4-385	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-386	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4-387	Type 'B'	Nr	2				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-388	Horizontal Bend (dia 90-150 mm)	Nr	1				
DB 4-389	Horizontal Bend (dia 225-250 mm)	Nr	33				
Total of page BOQ - 693 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-390	Vertical Bend (dia 160-200 mm)	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
DB 4-391	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-392	Sluice Valve (Chamber)	Nr	5				
DB 4-393	Sluice Valve (Valve Box)	Nr	1				
	<u>Miscellaneous</u>						
DB 4-394	Road reinstatement (Temporary)	m ²	308				
DB 4-395	Demolition of existing asphalt road surface	m ³	30				
DB 4-396	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-397	225 mm dia	m	380				
Total of page BOQ - 694 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Distribution Main (40-C-32: No.11001 - 11002)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-398	110 mm dia	m	340				
DB 4-399	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-400	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-401	Horizontal Bend (dia 90-150 mm)	Nr	16				
DB 4-402	Tee (dia 90-150 mm)	Nr	1				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-403	Wash out	Nr	1				
Total of page BOQ - 695 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-404	Sluice Valve (Valve Box)	Nr	4				
	<u>Miscellaneous</u>						
DB 4-405	Road reinstatement (Temporary)	m ²	234				
DB 4-406	Demolition of existing asphalt road surface	m ³	23				
DB 4-407	Excavation in rock including disposal of excavated material (Provisional).	m ³	2				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-408	110 mm dia	m	340				
	Distribution Main (40-C-33: No.11100 - 11017)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-409	160 mm dia	m	370				
Total of page BOQ - 696 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-410	225 mm dia	m	140				
DB 4-411	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-412	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition <u>Extra over Items for Culvert Crossings in Distribution Main</u> Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.	Nr	1				
DB 4-413	Type 'B' <u>Extra over Items for Thrust block in Distribution Main</u>	Nr	2				
DB 4-414	Horizontal Bend (dia 160-200 mm)	Nr	26				
DB 4-415	Horizontal Bend (dia 225-250 mm) <u>Extra over Items for Wash out in Distribution Main</u>	Nr	11				
Total of page BOQ - 697 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-416	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings. Wash out	Nr	1				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-417	Air valve (single orifice)	Nr	1				
DB 4-418	Sluice Valve (Valve Box)	Nr	2				
	<u>Miscellaneous</u>						
DB 4-419	Road reinstatement (Temporary)	m ²	369				
DB 4-420	Demolition of existing asphalt road surface	m ³	36				
DB 4-421	Excavation in rock including disposal of excavated material (Provisional).	m ³	3				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
Total of page BOQ - 698 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-422	160 mm dia	m	370				
DB 4-423	225 mm dia	m	140				
	Distribution Main (40-C-34: No.11001 - 11002)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-424	110 mm dia	m	600				
DB 4-425	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
DB 4-426	Provide the test pits (2mx2mx2m depth) to investigate the existing utilities and soil condition	Nr	1				
	<u>Extra over Items for Culvert Crossings in Distribution Main</u>						
	Rate to include for additional excavation, additional shoring, coffer-damming, forming of embankment, rubble pitching, breaking into existing structures, Installation of DI pipes and fittings where necessary, making good of any damage to the existing structures.						
DB 4-427	Type 'B'	Nr	5				
Total of page BOQ - 699 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-428	Horizontal Bend (dia 90-150 mm)	Nr	27				
	<u>Extra over Items for Wash out in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks for invert tee, valve and bends, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary, as shown on the standered drawings.						
DB 4-429	Wash out	Nr	2				
	<u>Miscellaneous</u>						
DB 4-430	Road reinstatement (Temporary)	m ²	414				
DB 4-431	Demolition of existing asphalt road surface	m ³	41				
DB 4-432	Excavation in rock including disposal of excavated material (Provisional).	m ³	4				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-433	110 mm dia	m	600				
Total of page BOQ - 700 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Distribution Main (40-C-36: No.12003 - 12004)						
	<u>Depth to invert of pipes not exceeding 2.0 m</u>						
DB 4-434	110 mm dia	m	160				
DB 4-435	Reinstatement of damages for retaining walls, parapet walls, drains, gurd stones, private access etc. (Contractor should visit the site before the rendering)	Item	1				
	<u>Extra over Items for Thrust block in Distribution Main</u>						
DB 4-436	Horizontal Bend (dia 90-150 mm)	Nr	6				
	<u>Extra over Items for Valve chamber in Distribution Main</u>						
	Rate to include for additional excavation, shoring, dewatering, construction of concrete thrust blocks, if necessary, and all necessary items of work required for complete installation of fittings, and protection of joints where necessary.						
DB 4-437	Sluice Valve (Valve Box)	Nr	2				
	<u>Miscellaneous</u>						
Total of page BOQ - 701 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.DB 4: Laying of PVC Pipes/Fittings

DISTRIBUTION

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE		TOTAL AMOUNT	
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4-438	Road reinstatement (Temporary)	m ²	110				
DB 4-439	Demolition of existing asphalt road surface	m ³	11				
DB 4-440	Excavation in rock including disposal of excavated material (Provisional).	m ³	1				
	<u>Field Hydrostatic Pressure and Leakage Test, Disinfection and Cleaning of Pipeline as Specified.</u>						
DB 4-441	110 mm dia	m	160				
Total of page BOQ - 702 to DB 4 Bill Summary							

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 2 - Sum

Supply of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 2	Page BOQ - 604 of Bill DB 2		
DB2-SUM	Total of DB 2 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 3 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 3	Page BOQ - 605 of Bill DB 3		
	Page BOQ - 606 of Bill DB 3		
	Page BOQ - 607 of Bill DB 3		
	Page BOQ - 608 of Bill DB 3		
	Page BOQ - 609 of Bill DB 3		
	Page BOQ - 610 of Bill DB 3		
	Page BOQ - 611 of Bill DB 3		
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	Page BOQ - 613 of Bill DB 3		
	Page BOQ - 614 of Bill DB 3		
	Page BOQ - 615 of Bill DB 3		
	Page BOQ - 616 of Bill DB 3		
	Page BOQ - 617 of Bill DB 3		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 3 - Sum

Laying of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 3	Page BOQ - 618 of Bill DB 3 Page BOQ - 619 of Bill DB 3 Page BOQ - 620 of Bill DB 3 Page BOQ - 621 of Bill DB 3 Page BOQ - 622 of Bill DB 3 Page BOQ - 623 of Bill DB 3 Page BOQ - 624 of Bill DB 3 Page BOQ - 625 of Bill DB 3 Page BOQ - 626 of Bill DB 3 Page BOQ - 627 of Bill DB 3 Page BOQ - 628 of Bill DB 3 Page BOQ - 629 of Bill DB 3 Page BOQ - 630 of Bill DB 3		
DB3-SUM	Total of DB 3 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
DB 4	Page BOQ - 631 of Bill DB 4		
	Page BOQ - 632 of Bill DB 4		
	Page BOQ - 633 of Bill DB 4		
	Page BOQ - 634 of Bill DB 4		
	Page BOQ - 635 of Bill DB 4		
	Page BOQ - 636 of Bill DB 4		
	Page BOQ - 637 of Bill DB 4		
	Page BOQ - 638 of Bill DB 4		
	Page BOQ - 639 of Bill DB 4		
	Page BOQ - 640 of Bill DB 4		
	Page BOQ - 641 of Bill DB 4		
	Page BOQ - 642 of Bill DB 4		
	Page BOQ - 643 of Bill DB 4		
		Carried Forward	

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 4	Page BOQ - 644 of Bill DB 4 Page BOQ - 645 of Bill DB 4 Page BOQ - 646 of Bill DB 4 Page BOQ - 647 of Bill DB 4 Page BOQ - 648 of Bill DB 4 Page BOQ - 649 of Bill DB 4 Page BOQ - 650 of Bill DB 4 Page BOQ - 651 of Bill DB 4 Page BOQ - 652 of Bill DB 4 Page BOQ - 653 of Bill DB 4 Page BOQ - 654 of Bill DB 4 Page BOQ - 655 of Bill DB 4 Page BOQ - 656 of Bill DB 4		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 4	Page BOQ - 657 of Bill DB 4 Page BOQ - 658 of Bill DB 4 Page BOQ - 659 of Bill DB 4 Page BOQ - 660 of Bill DB 4 Page BOQ - 661 of Bill DB 4 Page BOQ - 662 of Bill DB 4 Page BOQ - 663 of Bill DB 4 Page BOQ - 664 of Bill DB 4 Page BOQ - 665 of Bill DB 4 Page BOQ - 666 of Bill DB 4 Page BOQ - 667 of Bill DB 4 Page BOQ - 668 of Bill DB 4 Page BOQ - 669 of Bill DB 4		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 4	Page BOQ - 670 of Bill DB 4 Page BOQ - 671 of Bill DB 4 Page BOQ - 672 of Bill DB 4 Page BOQ - 673 of Bill DB 4 Page BOQ - 674 of Bill DB 4 Page BOQ - 675 of Bill DB 4 Page BOQ - 676 of Bill DB 4 Page BOQ - 677 of Bill DB 4 Page BOQ - 678 of Bill DB 4 Page BOQ - 679 of Bill DB 4 Page BOQ - 680 of Bill DB 4 Page BOQ - 681 of Bill DB 4 Page BOQ - 682 of Bill DB 4		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 4	Page BOQ - 683 of Bill DB 4 Page BOQ - 684 of Bill DB 4 Page BOQ - 685 of Bill DB 4 Page BOQ - 686 of Bill DB 4 Page BOQ - 687 of Bill DB 4 Page BOQ - 688 of Bill DB 4 Page BOQ - 689 of Bill DB 4 Page BOQ - 690 of Bill DB 4 Page BOQ - 691 of Bill DB 4 Page BOQ - 692 of Bill DB 4 Page BOQ - 693 of Bill DB 4 Page BOQ - 694 of Bill DB 4 Page BOQ - 695 of Bill DB 4		
	Carried Forward		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 4 - Sum

Laying of PVC Pipes/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT	
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen
	Brought Forward		
DB 4	Page BOQ - 696 of Bill DB 4 Page BOQ - 697 of Bill DB 4 Page BOQ - 698 of Bill DB 4 Page BOQ - 699 of Bill DB 4 Page BOQ - 700 of Bill DB 4 Page BOQ - 701 of Bill DB 4 Page BOQ - 702 of Bill DB 4		
DB4-SUM	Total of DB 4 to Bill Summary		

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1	Page BOQ - 574 of Bill DB 1			
	Page BOQ - 575 of Bill DB 1			
	Page BOQ - 576 of Bill DB 1			
	Page BOQ - 577 of Bill DB 1			
	Page BOQ - 578 of Bill DB 1			
	Page BOQ - 579 of Bill DB 1			
	Page BOQ - 580 of Bill DB 1			
	Page BOQ - 581 of Bill DB 1			
	Page BOQ - 582 of Bill DB 1			
	Page BOQ - 583 of Bill DB 1			
	Page BOQ - 584 of Bill DB 1			
	Page BOQ - 585 of Bill DB 1			
	Page BOQ - 586 of Bill DB 1			
	Page BOQ - 587 of Bill DB 1			
	Page BOQ - 588 of Bill DB 1			
	Page BOQ - 589 of Bill DB 1			
	Page BOQ - 590 of Bill DB 1			
	Page BOQ - 591 of Bill DB 1			
	Page BOQ - 592 of Bill DB 1			
	Page BOQ - 593 of Bill DB 1			
Page BOQ - 594 of Bill DB 1				
	Carried Forward			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB 1 - Sum

Supply of DI Pipes/Valves/Fittings

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Brought Forward			
DB 1	Page BOQ - 595 of Bill DB 1 Page BOQ - 596 of Bill DB 1 Page BOQ - 597 of Bill DB 1 Page BOQ - 598 of Bill DB 1 Page BOQ - 599 of Bill DB 1 Page BOQ - 600 of Bill DB 1 Page BOQ - 601 of Bill DB 1 Page BOQ - 602 of Bill DB 1 Page BOQ - 603 of Bill DB 1			
DB1-SUM	Total of DB 1 to Bill Summary			

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.DB - Sum

DISTRIBUTION

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
DB 1	Supply of DI Pipes/Valves/Fittings			
DB 2	Supply of PVC Pipes/Fittings			
DB 3	Laying of DI Pipes/Valves/Fittings			
DB 4	Laying of PVC Pipes/Fittings			
DB-SUM	Total of Distribution to Bill Summary			

**GREATER KANDY WATER SUPPLY PROJECT
SUMMARY TO BILL OF QUANTITIES**

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
GN-SUM	Total of General to Grand Summary			Not Entitled
IN-SUM	Total of INTAKE/RWPS/BT to Grand Summary			
RT-SUM	Total of Raw Water Transmission Main to Grand Summary			
TP-SUM	Total of WTP to Grand Summary			
TM-SUM	Total of Transmission Main to Grand Summary			
SR-SUM	Total of Service Reservoir to Bill Summary			
DB-SUM	Total of Distribution to Bill Summary			
MM-SUM	Total of Maintenance Materials to Bill Summary			
	Grand Total of above summaries			
A	Grand Total of above summaries carried forward from BOQ - 682			
B	Total Provisional Item (This shall be inclusive of contractor's percentage of 15%)			
C = A - B	Grand Total Less Provisional Sums			
D = C x...%	Discount (If any, excluding Provisional Sums)			
E = C - D	Grand Total less discount and provisional sums			
F	Contingency (including)			
G = B+E+F	Total Tendered Sum (provisional sum and contingency included) carried to Form of Tender			
	GST (Excluding GST for Supply Items Involving Duty Component) 12.5 % (as specified in Clause of Instructions to Tenderes)			

Daywork Schedule

1. General

Work shall not be executed on a daywork basis except by written order by the Engineer and shall be in accordance with **Clause 52.4 of General Conditions of Contract**. The Contractor shall be entitled to payment in respect of labour, material and plant used for dayworks, at the rates given in the schedules of dayworks.

2. Daywork Labour

Only the time for classes of labour directly doing work ordered by the Engineer, and for which they are competent to perform will be measured. The time of gangers (charge hands) actually doing the work with the gangs, will also be measured, but not the time of foremen or other supervisory personnel.

The given rate shall cover: all direct costs to the Contractor, including the amount of wages paid to such labour, transportation time, overtime, subsistence, allowances, and any sums paid to, or on behalf of, such labour for social benefits in accordance with Sri Lankan Law.

The percentage for overhead and profit inserted in the BOQ shall cover all administration and financial cost including the Contractor's overhead and profit, cost of liaison with external agencies and all other costs related to daywork labour.

Schedule Of Daywork Labour Rates

Item	Description	Unit	Rate (SLR)
1	Ganger	day	
2	Unskilled labourer	day	
3	Operator for crawler mounted machine	day	
4	Operator for wheel mounted machine	day	
5	Operator for pneumatic tools	day	
6	Driver for trucks/bowser/tractor/lorry/trailer etc.	day	
7	Mechanic	day	
8	Electrician	day	
9	Painter	day	
10	Welder	day	
11	Bar bender/ reinforcement worker	day	
12	Mason/concrete worker	day	
13	Carpenter/form worker	day	
14	Pipe layer/fitter/plumber	day	

NOTE: The above rates are subjected to an annual escalation of 10% per annum, from the second year after the date of commencement of the Contract.

3. Daywork Materials

The given rates shall cover: the price, freight, insurance, handling, expenses, damage, losses etc. and shall provide for delivery to store for stock piling at the site.

The percentage for overhead and profit inserted in the BOQ shall cover all administration and financial cost including the Contractor's overhead and profit, cost of liaison with external agencies and all other costs related to daywork materials.

The cost of any materials supplied by NWSDB for use on dayworks shall not be taken into account and the additional percentage quoted shall not be applicable.

The Contractor must submit his receipts/bills to the Engineer in support of all daywork materials payment claims.

Schedule Of Daywork Material Rates

Item	Description	Unit	Rate (SLR/Ct)
1	a) Ready mix concrete Gr.25	m ³	
	b) -do- Gr.35	m ³	
2	Ordinary Portland cement, or equivalent, in 50 kg bags	bag	
3	Ribbed Tor steel reinforcing bar	t	
4	Fine aggregate for concrete as specified	m ³	
5	Coarse aggregate for concrete as specified	m ³	
6	a) Timber (Class 1)	m ³	
	b) Plywood sheets (12 mm)	m ²	
7	a) Bricks	Nr	
	b) Masonry blocks (390 x 200 x 190)	Nr	
	c) Rubble 225 x 150 mm	m ³	
8	Hume pipes 0.6 dia x 2.4 m lengths	Nr	
9	Channel steel (H,L,I)	t	
10	GI sheets (2.4 x 1.2) – 24 gauge	Nr	
11	Sheet piles	t	
12	Paints		
	a) Enamel	litre	
	b) Emulsion	litre	
	c) Anticorrosive	litre	
	d) Aluminium	litre	
	e) Thinner	litre	
13	Asphalt	litre	
14	a) Petrol	litre	
	b) Diesel	litre	

NOTE: The above rates are subjected to an annual escalation of 10% per annum, from the second year after the date of commencement of the Contract. Rate is not including GST.

4. Daywork Constructional Plant

In calculating the payment due to the Contractor for constructional plant employed on daywork, only the actual number of hours worked will be eligible for payment, except that where applicable and agreed with the Engineer, the traveling time from the part of the Site where the Construction Plant was located when ordered by the Engineer to be employed on daywork and the time for return journey thereto shall be included for payment. The cost of drivers and operators will be paid separately as described under the section “Daywork Labour”.

The given rate shall cover: due and complete allowances for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead profit and administrative costs related to the use of such equipment.

The percentage for overhead and profit inserted in the BOQ shall cover all administration and financial cost including the Contractor’s overhead and profit, cost of liaison with external agencies and all other costs related to daywork constructional plant.

Schedule of Daywork Constructional Plant Rates

Item	Description	Minimum Capacity	Unit	Rate (SLR./Ct)
1	a) Excavator – crawler mounted	0.4 m ³	hour	
	b) - do -	0.7 m ³	hour	
	c) - do -	1.2 m ³	hour	
2	a) Bull-dozer with ripper–crawler mounted	66 kW	hour	
	b) - do -	148 kW	hour	
3	a) Back-hoe excavator – wheel mounted with bucket width 0.3, 0.45 and 0.6 m	52 kW	hour	
	b) - do -	62 kW	hour	
4	a) Front end loader – wheel mounted	1.4 m ³	hour	
	b) - do -	2.3 m ³	hour	
	c) - do -	3.2 m ³	hour	
5	Motor grader – wheel mounted	67 kW	hour	
6	a) Mobile crane	2 t	hour	
	b) - do -	5 t	hour	
7	a) Concrete pump cart	55 m ³ / hr	hour	
	b) – do -	95 m ³ /hr	hour	
8	Boom truck	15 t	hour	
9	a) Dump truck	4 t	hour	
	b) - do -	8 t	hour	
	c) - do -	11 t	hour	
10	a) Trailer truck for pipe transport	17 t	km	
	b) - do - without load		km	
11	a) Low bed trailer with prime mover for machine /pipe transport with load	17 t	km	
	b) - do - without load		km	
12	a) Agitator car/concrete transport truck	3 m ³	hour	
	b) - do -	6 m ³	hour	
13	a) Water bowser	1 000 litre	hour	
	b) - do -	4 000 litre	hour	
14	Tractor with trailer	2 m ³	hour	
15	a) Lorry/ pickup/ truck	1.5 t	hour	
	b) Lorry	10 t	hour	
16	a) Concrete mixer truck (with self loading facilities)	1.4 m ³	hour	
	b) – do -	3.2 m ³	hour	
17	Plate compactor/ vibrator	2 t	hour	
18	Rammer compactor/ vibrator	80 Kg	hour	
19	a) Roller compactor/ vibrator	4 t	hour	
	b) – do -	10 t	hour	
20	Form vibrator	0.4 kW	hour	
21	Vibrator plant including 25, 32, 50 mm poker	0.4 kW	hour	
22	a) Diesel generator	1 kVA	hour	
	b) - do -	5 kVA	hour	
	c) - do -	25 kVA	hour	
23	a) Portable air compressor including rock breakers & hammers	297 m ³ /hr	hour	
	b) – do -	510 m ³ /hr	hour	
24	a) Submersible pump	0.75 kW	hour	
	b) - do -	2 kW	hour	
	c) - do -	5 kW	hour	
25	a) Portable self priming engine driven centrifugal diesel pump	50 mm	hour	

Item	Description	Minimum Capacity	Unit	Rate (SLR./Ct)
	b) - do -	60 mm	hour	
	c) - do -	75 mm	hour	
26	Spray painting equipment		hour	
27	a) Portable welding plant including welding rods 500 A		hour	
	b) Oxy-acetylene welding set including welding rods		hour	
28	Bar cutting/ bending machine		hour	
29	a) Concrete mixer	0.3 m ³	hour	
	b) - do -	1.4 m ³	hour	
30	Asphalt cutter with diamond disc		hour	
31	Pipe cutter/ grinder including cutting wheels		hour	

NOTE: The above rates are subjected to an annual escalation of 10% per annum, from the second year after the date of commencement of the Contract.

Schedule of Rates

(The Contractor is to complete the tables below for all BoQ items. Values shall be given in percentages)

	Bill of Quantities Reference	Permanent Materials/ Equipment	Labour	Construction Materials	Construction Plant	Overhead	Profit

GREATER KANDY WATER SUPPLY PROJECT

BILL OF QUANTITIES

BILL No.MM 1: Supply of Material/Goods

MAINTENANCE MATERIALS

ITEM No.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE			TOTAL AMOUNT		
				LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs	LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
	Maintenance materials include all/main nessesary goods for pipe repair, operation, work shop, water quility analysis.								
	For WTP Maintenance Works								
MM 1 - 1	Backhoe Loader 0.2m ³ (Caterpillar)	Nr	1						
	For Water Quality Analysis								
MM 1 - 2	Laboratory Equipment and Fittings - Physical/chemical Laboratory - as depicted in Specification.	Item	Sum						
Total of page BOQ - 715 to MM 1 Bill Summary									

GREATER KANDY WATER SUPPLY PROJECT

SUMMARY OF BILL OF QUANTITIES

BILL No.MM 1 - Sum

Supply of Material/Goods

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
MM 1	Page BOQ - 715 of Bill MM 1			
MM1-SUM	Total of MM 1 to Bill Summary			

BILL No.MM - Sum

MAINTENANCE MATERIALS

BOQ Bill No	PAGE TOTAL	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
MM 1	Supply of Material/Goods			
MM-SUM	Total of Maintenance Materials to Bill Summary			

**GREATER KANDY WATER SUPPLY PROJECT
SUMMARY OF BILL OF QUANTITIES**

BILL No : GRAND-SUM

GRAND SUMMARY

BOQ Bill No	BILL DESCRIPTION	TOTAL AMOUNT		
		LOCAL COMPONENT Rs	FOREIGN COMPONENT Yen	Custom Duty, Cess, GST, NSL, Excise Duty etc. Rs
GN-SUM	Total of General to Grand Summary			Not Entitled
IN-SUM	Total of INTAKE/RWPS/BT to Grand Summary			
RT-SUM	Total of Raw Water Transmission Main to Grand Summary			
TP-SUM	Total of WTP to Grand Summary			
TM-SUM	Total of Transmission Main to Grand Summary			
SR-SUM	Total of Service Reservoir to Bill Summary			
DB-SUM	Total of Distribution to Bill Summary			
MM-SUM	Total of Maintenance Materials to Bill Summary			
	Grand Total of above summaries	-	-	
A	Grand Total of above summaries carried forward from BOQ - 682	-	-	
B	Total Provisional Item (This shall be inclusive of contractor's percentage of 15%)			-
C = A - B	Grand Total Less Provisional Sums			-
D = C x...%	Discount (If any, excluding Provisional Sums)			-
E = C - D	Grand Total less discount and provisional sums			-
F	Contingency (including)	-	-	-
G = B+E+F	Total Tendered Sum (provisional sum and contingency included) carried to Form of Tender			-
	GST (Excluding GST for Supply Items Involving Duty Component) 12.5 % (as specified in Clause of Instructions to Tenderes)			-

GST Registration No. :

Business Address : **Eng. Estimate**

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Signature

Date