VOLUME III

PART: 1

PREAMBLE

PRELIMINARIES

BILL OF QUANTITIES

PREAMBLE

DIVISION 2: SITE WORK

Preamble

This section shall be read in conjunction with Division 2 of the Technical Specifications.

A. Measurement

The quantities of excavation and filling are measured net from the new and existing levels and/or contours shown on the drawings on the basis that the gradient of the existing surfaces between the nearest adjacent spot levels and/or between contours is constant.

Measured items include any additional excavation or filling required due to variation of the existing surface differing from a constant gradient between spot levels and/or between contours.

Measured items for excavation include for hand or machine work or any combination of the two as may be found expedient, for carrying out excavations in stages where required, for segregation of excavated materials as required and for grubbing up roots and root matter.

Measured items for excavation include for getting out excavated material, and earthwork support.

Measured items for excavation shall include for removing surplus excavated materials to temporary spoil heaps and for creating spoil heaps and moving as required during the progress of the works.

The quantities given for excavation and subsequent disposal are the bulk before excavating and no allowance is made for any subsequent variations in bulk or for any extra space required for working space or to accommodate earthwork support.

All types of excavation has been measured as one item irrespective of the depth. Excavation for foundations shall include for all types of excavation that is not excavation to reduce levels. It shall include but not be limited to excavation for trenches, ground beams, bases.

Foundation trenches are measured to the width of the concrete blinding.

Bases, ground beams, and the like are measure to the size of the concrete base.

Backfilling shall be measured net no allowance for compaction factor..

B. Rates

Rates for excavation shall include for:

1. Excavation to any depth.
2. Earthwork support to uphold the sides of excavation by any means necessary.
3. Excavation in any ground including rock to any depth. Rock shall be removed with drilling equipment, compressors, rippers or explosives where approved.
4. Trimming, leveling, ramming bottoms of excavation.
5. Double and multiple handling.
6. Stockpiling.
7. Keeping excavations free from storm water, percolating water and sub-soil water by pumping or any other means.
8. Finishing and grading to any falls, crossfalls, or slopes that may be required.
9. Removing surplus excavated material from site, comprising loading and transporting, double and multiple handling, temporary spoil heaps and provision of an approved tip and payment of all charges in connection therewith.
10. Benchmarks.
11. Selected excavated material filling including:
    1. Sorting excavated material.
    2. Importation of additional material if sufficient is available on site and subsequent additional disposal.
    3. Depositing and compacting in layers.
12. Imported granular filling including:
    1. Sorting material.
    2. Depositing and compacting in layers.

Rates for Demolition work shall include for:

1. Removing of all surplus material from site.
2. Disposal of all rubbish and debris.
3. Delivery of materials that can be benefit and shall be stored in the Employer stores.
4. Using the best techniques and equipment's for the demolition purposes.
5. Cleaning the site continuously.
6. The contractor shall visit the site to obtain idea about demolitioning.
7. The contractor must coordinate with the Employer and Engineers representative before starting in demolition work.

DIVIDION3: CONCRETE

Preamble

This section shall be read in conjunction with Division 3 of the Technical Specifications.

A. Measurement

Concrete is measured net as placed and no deduction is made for voids not exceeding 0.05 m^3 in cubic areas, or for the volume of any steel, conduits and pipes embedded in the concrete.

Concrete

- Blinding beds are measured in cubic meters.
- Concrete floors are measured in cubic meters.
- Concrete walls, upstands and columns are measured in cubic meters in over and below the existing levels and from top of slab to under side of beams or slabs above.
- Suspended solids slabs, ribbed slabs, waffle slabs, and beams are measured net in cubic meters and measurement have been taken over all bearings.
- Moulds for waffle slabs and hollow block ribs for ribbed slabs to be deducted from the volume of concrete slabs and it will be measured separately.
- An extra over to be paid for using moulds waffle slabs and fair face formwork.
- Concrete Deck slabs are measured in square meter stating the thickness and including galvanized corrugated steel sheeting.

Reinforcement

The weight of reinforcement bar is measured net without addition for rolling margin supports, spaces or tying wire.

Formwork

Formwork is measured net as fabricated and there is an Extra over (allowance) for special formwork for vaults, doms, arches, openings, drop beams, circular columns and where required.

B. Rates

Rates for concrete work shall include for:

1. Designing mixes.
2. Construction and control joints.
3. Laying in bays including temporary supports.
4. Vibrating and packing around reinforcement and between formwork.
5. Curing and sprinkling.

6. Work of any cross-sectional area and at any height.
7. Cutting or forming grooves, throats, holes, chases, rebates, chamfers, splayed angles, mouldings and the like.
8. Cutting or forming mortices and grouting in.
9. Making good holes left by other trades.
10. Grading, tamping and troweling surfaces of unset concrete.
11. Hacking or otherwise treating surfaces of concrete to receive finish.
12. Support reinforcement bars not indicated on drawings and as required.
13. Sulphate resisting cement for all concrete works under finished floor level.

Rates for reinforcement bar shall include for:

1. Rolling margin.
2. Bending and typing wire.
3. Distance pieces and spacers and chairs.
4. Rods and bars in any location and at any height.
5. Cutting and waste.
6. Laps above required by standards and Drawings.
7. Hooks.

Rates for precast concrete shall include for:

1. Designing mixes.
2. Lifting steel.
3. Moulds and surface finishes.
4. Steel reinforcement, dowels and anchors.
5. Concrete or mortar mix at in situ joints.
6. Transporting, hoisting, bedding and pointing in cement mortar.
7. Temporary supports.
8. Fair ends, stooled ends, returned ends, rounded ends, mitred angles, rebated angles, intersections and the like.

Rate for formwork shall included for:

1. Formwork.
2. All necessary supports and shoring
3. Formwork cutting and waste.
4. Splaying edges of formwork.
5. Formwork fillets, notches or the like.
6. Allowance for formwork overlaps and passings at angles.
7. Metal inserts for formwork anchorages.
8. Strutting, propping, bolting, metal ties wedging, casing and striking of formwork.

DIVISION4: MASONARY

4.1 STONE WORK

Preamble

This section shall be read in conjunction with Division 4 of the Technical Specifications.

Stone Work

- Stone works must be of the best quarries first choice and as described in the relevant Specifications, Drawings and Bills of Quantities.
- Stone cladding to concrete walls or concrete block walls shall also be deemed to mean concrete beams, lintels, columns, edges of slabs or the like.
- Concrete walls, beams, columns, lintels, slabs and concrete block wall have all been measured net elsewhere unless described in the description.
- For special stone works it shall be measured in square meter without any extra over (allowance) for special stone of arches, columns, jambs, lintels, angles sills and other special stone works, except the items mentioned in B.O.Q.
- For stone copings it shall be measured in linear metre to the length of parapets.
- For stone sills and thresholds it shall be measured in square metre.

Rates

Rates for stone cladding shall include for:

1. All hoisting, cutting, dressing, bending and mortar backing.
2. Forming courses.
3. Narrow widths.
4. Cutting to form angles, copings, sills, big stones in different shapes or the like from solid blocks.
5. Cutting or raking out joints prior to pointing.
6. Construction and control joints.
7. Stainless steel suspension system as shown in Drawings.
8. Pointing to exposed ends.
9. Temporary supports.
10. Cutting or forming holes or chases for pipes, tubes, bars, cables, conduits, ductwork and the like and mortices, sinkings, holes and the like, including grouting.
11. Providing expanded metal lathing to ends at openings or the like, or where in situ finishings are applied.
12. Engravings.

4.2 BLOCKWORK AND SAND LIME BRICK

Preamble

This section shall be read in conjunction with Division 4 of the Technical Specifications.

A. Measurement

All blockwork is measured net with no deductions made for voids not exceeding 0.10 m^2 in the face of the walls.

Cavity walls have been measured as composite walls, with insulation cavity infill material measured separately.

B. Rates for Block Walls shall include for:

1. Filling ends of hollow blocks or providing special solid closer blocks, jamb units and the like.
2. Constructing cavities, including ties.
3. Control joints.
4. Cutting or forming chases, grooves, angles and rough and fair cutting and the like.
5. Raking out joints and/or hacking face of walls as required for key.
6. Raking out joints for flashings, caulking and the like.
7. Bedding and/or pointing plates, frame surrounds, sills and the like.
8. Temporary supports around windows, door frames and the like.
9. Building in or cutting and pinning ends of lintels, woodwork, steel sections and the like.
10. Cutting or forming holes for pipes, tubes, bars, cables, conduit, ductwork and the like and mortices, sinkings, weep holes and the like, including grouting.
11. Making good all walls and making good fair face.
12. Tying to the bearing structure, a butting concrete walls and columns.
13. Building at any level or height off slabs or beams.
14. R.C. Concrete lintels and concrete stiffeners.
15. Steel reinforcement bars for lintels and stiffeners.
16. General instructions according to the manufacturer, for sand lime brick construction.
17. White cement mortar.

DIVISION5: METALS

Preamble

This section shall be read in conjunction with division 5 and division 8 of the Technical Specifications.

A. Measurement

All metal and aluminum items are measured net as fixed all sizes given are structural sizes.

B. Rates

Rates for metalwork and aluminum shall generally include for:

1. Cutting members to length.
2. All scribing, rebates, grooves, chamfers, splayed and rounded edges, tongued angles, beads, mouldings, fair and returned ends, miters, housing, holes for pipes, etc. and for all short or isolated lengths.
3. For all shop and site welding.
4. Grinding, drilling, countersinking, bolting, rivetting.
5. Assembling, adjusting and fixing complete.
6. All hardware and stainless steel ironmongery.

Rates for doors, windows and door frames shall include for:

1. Members of any section as required.
2. Welding, brazing or the like at corners, intersections or the like.
3. Opening lights.
4. Cutouts for ironmongery.
5. Flyscreens.
6. Work at jambs, or heads including expanded metal lathing, fixing cramps, wall anchors, grounds, bedding, filling frames with grout, galvanized mild steel plaster guards, motor boxes, stops, beads and caulking sealant, as necessary.
7. Reinforcement for hinges, hardware, etc.
8. Additional studs in metal partitioning.
9. Spacing blocks in metal partitioning.
10. Glazing beads.
11. Glazing strips, gaskets or other material as detailed.
12. Glazing system as described in the Bill of Quantities.
13. Master key system as specified.
14. The contractor shall be responsible for the accurate dimensions, and physical measurement shall be taken on site as executed.

DIVISION6: WOOD AND PLASTICS

Preamble

This section shall be read in conjunction with Division 6 and Division 8 of the Technical Specifications.

A. Measurement

All woodwork items are measured net as fixed.
All sizes given are structural sizes.

B. Rates

Rates for timber shall include for:

1. Wrote faces on all timber, unless otherwise stated.
2. Nails, screws or other fixings.
3. Any length or cross-section.
4. All cutting and waste.
5. Tongued angles, dovetailed framing, halved to scarf jointing and all other types of joints.
6. Raking, curved or circular work and labours.
7. Notching, morticing, boring, sinkings, trimmings, rounded edges, scribing and all other sundry items of like nature required.
8. Plugging to concrete, or unit masonry including all making good.
9. Preparing surfaces to receive finishes.
10. Sawn grounds, sub-frames, blockings and backings.
11. Glazing beads to glazed doors and panels including fixing with caps and screws are required.
12. Easing and adjusting doors.
13. Hardware, and stainless steel ironmongery and furniture as stated for each in door schedules.
14. Three keys to each lock.
15. Sub-frames.
16. Painting and decoration.

Rates for counters shall include for:

1. All labour, material and shop drawings, all in compliance with relevant Detailed Drawings and Specifications.
2. Hardware, ironmongery, glazing work, beads, laminates, lacquer finishes, fixation to floors, walls and ceilings.
3. Shelves whether removable or fixed.
4. Provision for electrical conduits and the like, sanitary (if applicable).

DIVISION7: THERMAL AND MOISTURE PROTECTION

7.1 WATER PROOFING WORK

Preamble

This section shall be read in conjunction with division 7 of the Technical Specifications.

A. Measurement

Waterproofing work items are measured net as applied and no deduction has been made for voids not exceeding 0.50 m^2.
Roof coverings are measured as a separate items.

B. Rates

Rates for waterproofing shall include for:

1. Cleaning down and preparing surface.
2. Any width or area.
3. Laying to slopes, falls or crossfalls.
4. Fair and rounded edges, drips, arrises and angle fillets.
5. Cutting to line, overlapping.
6. Skirtings shall include for all additional material required, turning into grooves and pointing, flashings and reglets where required.
7. Working into outlets, channels, gullies and the like.
8. Cutting, trimming, making holes and forming openings, eaves, verges, etc., including working around pipes and openings and making good.

Rates for screed topping shall include for:

1. Cleaning down and preparing surfaces.
2. Any width or area.
3. Finishing top surfaces to slopes, falls or crossfalls.
4. Working around outlets, gullies, pipes and the like.
5. Forming upstands including coved angle with base.
6. Trowel smooth surface finish.
7. Protective screed of thickness specified in the Specifications.

7.2 INSULATION AND EXPANSION JOINTS

Preamble

This section shall be read in conjunction with division 7 of the Technical Specifications.

A. Measurement

All insulation work items are measured net as fixed, no deduction has been made for voids not exceeding 0.50 m^2.

All expansion joints items are measured net as fixed.

B. Rates

Rates for insulation shall include for:

1. Mechanical fasteners.
2. Holes and clips, etc. for through fixing of metal lathing.
3. Metal cladding or wire mesh wrapping where required.

Rates for flashings, cappings, expansion joint covers and the like shall include for:

1. Laps, angles, returned ends and the like.
2. Soldered or welded joints and the like.
3. Additional material at all dressing and labor.
4. Cleats, reglets and fixings.
5. Pointing or chaulking.

DIVISION8: DOORS AND WINDOWS

GLAZING WORK

Preamble

This section shall be read in conjunction with division 8 of the Technical Specifications..

A. Measurement

All glazing work is measured net as fixed.
All glazing is included with the relevant items into which it is to be incorporated, i.e. doors, screens, and windows unless otherwise described and shall also include for:

1. Any pattern, size and area.
2. Circular cutting and square cutting with rounded edges.
3. Spacers.
4. Glazing to wood or metal.
5. Bedding edges and labours to edges, including rounding edges of all panels to prevent damage to gaskets.
6. Stainless steel or brass ironmongery and accessories.

B. Rates

Rates for glazing shall include for:

1. Glass
2. Glazing beads.
3. Glazing strips, gaskets or other material as detailed.
4. Glazing system as described in the Bill of Quantities.

DIVISION9: FINISHES

9.1 PLASTERING WORK

Preamble

This section shall be read in conjunction with division 9 of the Technical Specifications.

A. Measurement

No deduction has been made for voids no exceeding 0.50 m^2.

All in situ wall finishing are measured to finish floor.

B. Rates

Rates for plastering shall include for:

1. Application to and preparation of any surfaces including guide screeds.
2. Wire mesh at junctions between differing material, and at construction joints.
3. Any width or area, any location.
4. Finish to surfaces, to falls, crossfalls and slopes including making good after all trades.
5. Working into channels, around gullies, outlets and the like.
6. Fair joints, fair edges, rounded edges, chamfered edges, sharp arrises, rounded angles, coved angles and the like.
7. Plaster corner beads at external angles and casing beads.
8. Admixtures.
9. Control joints.
10. Waterproof additives.
11. Curing

9.2 TILING AND MARBLE WORK

Preamble

This section shall be read in conjunction with division9 of the Technical Specifications.

A. Measurement

- Measurement shall be net, no deduction has been made for voids not exceeding 0.50 m^2.
- Measurement shall be net, with all openings exceeding 0.25 m^2 deducted.

B. Rates

Rates for in situ finishings shall include for:

1. Supply of all materials and labour and shop drawings.
2. Application to and preparation of any surface.
3. Any width, pattern or area, any location.
4. All cuttings and waste and fitting around pipes, feet of door frames and sundry labour of a like nature.
5. Laying level or to falls.
6. All pointing and protecting from damage until the final completion of the work.
7. Grinding and polishing.
8. Sand bed and cement mortar to form a total finishing thickness as shown on drawings.
9. The provision of "Quality Control" whole room samples as mentioned in the Specification.
10. Chamfering, rebating, jointing, coving if applicable and as specified and shown on drawings.
11. Provision for any shape and pattern of marble works.
12. Cutting and filling into any opening or recessed area.
13. For glazed coloured ceramic tiles, rates shall include for laying tiles on cement mortar and rough plastered wall, backing, and the same rates shall be applicable for the alternative of use adhesives on plastered walls.
14. Marble wall cladding rate shall include, polishing, chamfering, rebates as detailed and galvanized steel suspension system.
15. Grouting and cleaning on site.
16. Mixed design for external paving materials as indicated in specification.
17. Water proof additives for mortar of ceramic walls and floors.

Brass Strips

- Brass strips and angles 25 mm. x 5 mm. between different floors and edging floors, to length as required & as shown on Drawings shall be measured separately.

9.3 PAINTING WORKS

Preamble

This section shall be read in conjunction with division9 of the Technical Specifications.

A. Measurement

Decoration to items of woodwork and metalwork has been included with the respective items of wood and/or metal e.g. doors to which it relates.

Decoration to other areas has been measured net separately in square meters.

No deduction has been made for voids not exceeding 0.50 m^2.

B. Rates

Rates for decoration shall include for:

1. Preparation of paint and preparation of surfaces to be decorated.
2. Any type of work in any area or width in any location and any height.
3. Work in multi colours.
4. Cutting in edges and rubbing down between coats.
5. Sealing all knots and end grain to timber sections.
6. Making good after all trades.
7. All masking work for spray paint application by roller or machine.
8. Putty mortar floating coat under emulsion or oil paint.

Rates for suspended ceilings shall include for:

1. All fixings for support system.
2. Edge trims and angles including necessary timber grounds.
3. Corner angles to upstands.
4. Cutting and fitting around openings including grilles, registers and lighting fixtures.
5. Providing access points to space above.
6. Supplementary framing around fixtures.
7. Workshop Drawings.

PRELIMINARIES

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	PRELIMINARIES FOR THE WORK				
	GENERAL PRINCIPLES				
A	The descriptions of work and the like descriptive items given throughout the Bill of Quantities must not be construed as being construed as being complete but must be taken only as an indication of the extent of such work. The Contractor shall be deemed to have also read all other related documents, schedules, specifications, amendments and all available drawings and sketches such as to be fully aware of the full extent of the Works.				
B	All clauses in this Preliminaries Bill apply to the whole of the Works contained in these Bill of Quantities and the Contractor's prices shall be deemed to apply to the whole of the Works executed under the Contract including all variations to the Contract.				
C	The Contractor shall be deemed to have allowed in his Tender for all costs in respect of all items described in this Preliminaries Bill.				
D	In the absence of a price against any clause in this Preliminaries Bill, any costs in connection therewith shall be deemed to have been included elsewhere in the Contract Price.				
E	In the computation of the Final Contract Price, following completion of the Works, no adjustment to the pricing will be made for items in this Preliminaries Bill. Any price entered in this Preliminaries Bill shall be at the sole risk of the Contractor. No claim shall be considered for additional Preliminaries items due to variations even when an extension of time has been granted.				
F	In the event that no amount is inserted for any given clause in this Preliminaries Bill, then nothing will be specifically included in any payment certificates in respect of such clause.				
	The Contractor will be required to provide an itemized breakdown for items in this Preliminaries Bill in the event that a lump sum has been tendered against this section.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	GENERAL PRINCIPLES (cont'd)				
A	That proportion of any amount entered against an item in this Preliminaries Bill in respect of which substantial or whole payment might normally fall upon Contract commencement but which cannot be substantiated by the Contractor will be distributed evenly over the period within which the Works are to be completed.				
B	The price entered against items in this Preliminaries Bill involving continuous expenditure or time-related cost (egg plant, supervision, etc) will be certified for payment over the period within which the Works are to be completed in direct proportion to the value of the Contractor's measured work certified (ie, the value of work executed less Preliminaries, Prime Cost and Provisional Sums)				
C	Documents forming the Contract are to be taken as mutually explanatory; the amounts entered against the Preliminaries items and the measured work sections of the Bills of Quantities shall be deemed to fully allow for complying with all the requirements of the Conditions of Contract, Drawings, Specifications, and Bills of Quantities.				
	Pricing generally				
D	The rates and prices in the Bill of Quantities shall be deemed to include, but not be limited to the cost of all labour (including future wage increases other than Government mandated wage increases), materials, goods and equipment all cutting and waste, duties, royalties, packing, freight, shipping insurances, warehousing or other storage cost, delivery to the Site, hoisting and fixing in the required position, plant, supervision, currency exchange rate fluctuations and all else necessary for the carrying out of all the Contract requirements including the timely and satisfactory completion of the entire Works contained, both expressly and implicitly, within the Contract.				
E	The Contract shall be deemed to include for all and import duties, fees, License				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	GENERAL PRINCIPLES (cont'd)				
A	For the avoidance of doubt, no claim shall be considered which arises from increases in the wages and / or other emoluments and expenses of any kind payable to workmen (other than Government-mandated wage increases), or from the increased cost of such increases coming into effect after the acceptance of the Contractor's Tender.				
B	In addition to the foregoing the Contractor shall be deemed to have satisfied himself prior to submitting his Tender, as to the meaning and import of every item of work included in these Bill of Quantities, and the rates and prices inserted by him shall be deemed to cover the entire cost of all his obligations and liabilities under the Contract and all matters and things necessary for the proper construction, completion and maintenance of the Works including but not by way of limitation, all temporary work required (including any that may be required by Sub-Contractors, Nominated or otherwise); the provision and use of all mechanical and non-mechanical plant required for the expeditious carrying out of the Works in their proper sequence, shifting, altering and adapting such temporary work and plant as may be required during the progress of the Works, removing at completion and making good any work disturbed, all necessary guarantees and bonds, the cost of preparing the Tender, the work in connection with measurement, remeasurement and computation of the Final Contract Price, other establishment charges and on costs.				
C	The Tenderer must price each and every item and clause in the Bill of Quantities which he considers has a value. If any items or clauses are not priced, it shall be deemed that they have no value or, that their value has been spread throughout the rates and prices for other items and clauses. No claim for payment in respect of unpriced items or clauses will be admitted.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	GENERAL PRINCIPLES (cont'd)				
A	After having been awarded the Contract, the selected Contractor will be required to provide the Engineer with a full and detailed breakdown of the Contract Price. The Contract Price breakdown is to show the actual calculations of the Preliminaries pricing and the labour, plant and material cost of the Works, together with a build-up for each of the key measured rates in each trade, element or section, and showing all on-costs, overheads and profit and any other allowances used to arrive at the Contract Price.				
B	Any unauthorized alterations made to the text or to any quantity in these Bills of Quantities will be ignored and the original text or quantity shall prevail in all cases of unauthorized alteration.				
C	The descriptions included in the Bill of Quantities in respect of the workmanship and materials requirements are not necessary complete. Tenderers are referred to the Drawings, Specifications, Conditions of Contract and other documents and information for further details concerning the Works and for specific requirements in respect of any given item of work. No claim or variation will be admissible on account of the Contractor's misunderstanding in connection with the foregoing or for any error in his Tender or for his failure to acquaint himself or to have acquainted himself with such other documents and information as are referred to above.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
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PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II				
A	1.1 Definitions				
B	1.2 Headings and Marginal Notes				
C	1.3 Interpretation				
D	1.4 Singular and Plural				
E	1.5 Notices, Consents, Approvals, Certificates and Determinations				
F	2.1 Engineer's Duties and Authority				
G	2.2 Engineer's Representative				
H	2.3 Engineer's Authority to Delegate				
I	2.4 Appointment of Assistants				
J	2.5 Instructions in Writing				
K	2.6 Engineer to Act Impartially				
L	3.1 Assignment of Contract				
M	4.1 Subcontracting				
N	4.2 Assignment of Subcontractor's Obligations				
O	5.1 Languages and Law				
P	5.2 Priority of Contract Documents				
Q	6.1 Custody and Supply of Drawings and Documents				
R	6.2 One Copy of Drawings to be kept on Site				
S	6.3 Disruption of Progress				
T	6.4 Delays and Cost of Delay of Drawings				
U	6.5 Failure by Contractor to Submit Drawings				
V	7.1 Supplementary Drawings and Instructions				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	7.2 Permanent Works Designed by Contractor				
B	7.3 Responsibility Unaffected by Approval				
C	8.1 Contractor's General Responsibilities				
D	8.2 Site Operations and Methods of Construction				
E	9.1 Contract Agreement				
F	10.1 Performance Security				
G	10.2 Time Allotted for Submission				
H	10.3 Claims under Performance Security				
I	11.1 Inspection of Site				
J	12.1 Sufficiency of Tender				
K	12.2 Adverse Physical Obstructions or Conditions				
L	13.1 Work to be in Accordance with Contract				
M	14.1 Programme to be Submitted				
N	14.2 Revised Programme				
O	14.3 Cash Flow Estimate to be Submitted				
P	14.4 Contractor not Relieved of Duties or Responsibilities				
Q	15.1 Contractor's Superintendence				
R	16.1 Contractor's Employees				
S	16.2 Engineer at Liberty to Object				
T	17.1 Setting-Out				
U	18.1 Boreholes and Exploratory Excavation				
V	19.1 Safety, Security and Protection of the Environment				
W	19.2 Employer's Responsibilities				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	20.1 Care of Works				
B	20.2 Responsibility to Rectify Loss or Damage				
C	20.3 Loss or Damage Due to Employer's Risks				
D	20.4 Employer's Risks				
E	21.1 Insurance of the Works and Contractor's Equipment				
F	21.2 Scope of Cover				
G	21.3 Responsibility for Amounts not Received				
H	21.4 Exclusions				
I	22.1 Damage to Persons and Property				
J	22.2 Exceptions				
K	22.3 Indemnity by Employer				
L	23.1 Third Party Insurance (including Employer's Property)				
M	23.2 Minimum Amount of Insurance				
N	23.3 Cross Liabilities				
O	24.1 Accident or Injury to Workmen				
P	24.2 Insurance Against Accident to Workmen				
Q	25.1 Evidence and Terms of Insurances				
R	25.2 Adequacy of Insurances				
S	25.3 Remedy on Contractor's Failure to Insure				
T	25.4 Compliance with Policy Conditions				
U	26.1 Compliance with Statutes, Regulations				
V	27.1 Fossils				
W	28.1 Patent Rights				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	28.2 Royalties				
B	29.1 Interference with Traffic and Adjoining Properties				
C	30.1 Avoidance of Damage to Roads				
D	30.2 Transport of Contractor's Equipment or Temporary Works				
E	30.3 Transport of Materials or Plant				
F	30.4 Waterborne Traffic				
G	31.1 Opportunities for Other Contractors				
H	31.2 Facilities for Other Contractors				
I	32.1 Contractor to Keep Site Clear				
J	33.1 Clearance of Site on Completion				
K	34.1 Engagement of Staff and Labour				
L	34.2 Supply of Water				
M	34.3 Observance by Sub-Contractors				
N	35.1 Returns of Labour and Contractor's Equipment				
O	36.1 Quality of Materials, Plant and Workmanship				
P	36.2 Cost of Samples				
Q	36.3 Cost of Tests				
R	36.4 Cost of Tests not Provided for				
S	36.5 Engineer's Determination where Tests not Provided for				
T	37.1 Inspection of Operations				
U	37.2 Inspection and Testing				
V	37.3 Dates for Inspection and Testing				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	37.4 Rejection				
B	37.5 Independent Inspection				
C	38.1 Examination of Work before Covering up				
D	38.2 Uncovering and Making Openings				
E	39.1 Removal of Improper Work, Materials or Plant				
F	39.2 Default of Contractor in Compliance				
G	40.1 Suspension of Work				
H	40.2 Engineer's Determination following Suspension				
I	40.3 Suspension Lasting more than 84 Days				
J	41.1 Commencement of Works				
K	42.1 Possession of Site and Access Thereto				
L	42.2 Failure to Give Possession				
M	42.3 Wayleaves and Facilities				
N	43.1 Time for Completion				
O	44.1 Extension of Time for Completion				
P	44.2 Contractor to Provide Notification and Detailed Particulars				
Q	44.3 Interim Determination of Extension				
R	45.1 Restriction on Working Hours				
S	46.1 Rate of Progress				
T	47.1 Liquidated Damages for Delay				
U	47.2 Reduction of Liquidated Damages				
V	48.1 Taking-Over Certificate				
W	48.2 Taking-Over of Sections or Parts				
X	48.3 Substantial Completion of Parts				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	48.4 Surfaces Requiring Reinstatement				
B	49.1 Defects Liability Period				
C	49.2 Completion of Outstanding Work and Remedying Defects				
D	49.3 Cost of Remedying Defects				
E	49.4 Contractor's Failure to Carry Out Instructions				
F	50.1 Contractor to Search				
G	51.1 Variations				
H	51.2 Instructions for Variations				
I	52.1 Valuation of Variations				
J	52.2 Power of Engineer to Fix Rates				
K	52.3 Variations Exceeding 20 percent				
L	52.4 Daywork				
M	53.1 Notice of Claims				
N	53.2 Contemporary Records				
O	53.3 Substantiation of Claims				
P	53.4 Failure to Comply				
Q	53.5 Payment of Claims				
R	54.1 Contractor's Equipment, Temporary Works and Materials ; Exclusive Use for the Works				
S	54.2 Employer not Liable for Damage				
T	54.3 Customs Clearance				
U	54.4 Re-export of Contractor's Equipment				
V	54.5 Conditions of Hire of Contractor's Equipment				
W	54.6 Costs for the Purpose of Clause 63				
X	54.7 Incorporation of Clause in Subcontracts				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	54.8 Approval of Materials not Implied				
B	54.9 Contractor's Equipment, Temporary Works, Plant and Materials after Completion of the Works				
C	55.1 Quantities				
D	56.1 Works to be Measured				
E	57.1 Method of Measurement				
F	57.2 Breakdown of Lump Sum Items				
G	58.1 Definition of "Provisional Sum"				
H	58.2 Use of Provisional Sums				
I	58.3 Production of Vouchers				
J	59.1 Definition of "Nominated Subcontractors"				
K	59.2 Nominated Subcontractors; Objection to Nomination				
L	59.3 Design Requirements to be Expressly Stated				
M	59.4 Payments to Nominated Subcontractors				
N	59.5 Certification of Payments to Nominated Subcontractors				
O	60.1 Monthly Statements				
P	60.2 Monthly Payments				
Q	60.3 Payment of Retention Money				
R	60.4 Correction of Certificates				
S	60.5 Statement at Completion				
T	60.6 Final Statement				
U	60.7 Discharge				
V	60.8 Final Certificate				
W	60.9 Cessation of Employer's Liability				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	60.10 Time for Payment				
B	60.11 Advances on Contractor's Equipment, Plant and Materials				
C	61.1 Approval only by Defects Liability Certificate				
D	62.1 Defects Liability Certificate				
E	62.2 Unfulfilled Obligations				
F	63.1 Default of Contractor				
G	63.2 Valuation at Date of Termination				
H	63.3 Payment after Termination				
I	63.4 Assignment of Benefit of Agreement				
J	64.1 Urgent Remedial Work				
K	65.1 No Liability for Special Risks				
L	65.2 Special Risks				
M	65.3 Damage to Works by Special Risks				
N	65.4 Projectile, Missile				
O	65.5 Increased Costs arising from Special Risks				
P	65.6 Outbreak of War				
Q	65.7 Removal of Contractor's Equipment on Termination				
R	65.8 Payment if Contract Terminated				
S	66.1 Payment in Event of Release from Performance				
T	67.1 Engineer's Decision				
U	67.2 Amicable Settlement				
V	67.3 Litigation or Arbitration				
W	67.4 Failure to Comply with Engineer's Decision				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	CONDITIONS OF CONTRACT PART I & II (CONT'D)				
A	68.1 Notice to Contractor				
B	68.2 Notice to Employer and Engineer				
C	68.3 Change of Address				
D	69.1 Default of Employer				
E	69.2 Removal of Contractor's Equipment				
F	69.3 Payment on Termination				
G	69.4 Contractor's Entitlement to Suspend Work				
H	69.5 Resumption of Work				
I	70.1 Increase or Declease of Cost				
J	70.2 Subsequent Legislation				
K	70.3 Official Changes in Price of Materials				
L	70.4 No Compensation ----				
M	71.1 Currency Restrictions				
N	72.1 Rates of Exchange				
O	72.2 Currency Proportions				
P	72.3 Currencies of Payment for Provisional Sums				
Q	73.1 Structural Warranty				
R	74.1 Use of Explosives				
S	75.1 Income Tax and Other Dues				
T	75.2 No Exemption from Dues				
U	76.1 Bribery				
V	77.1 Import and Customs Laws and Regulations				
W	78.1 Privacy of Information				
X	79.1 Exemptions and Temporary Entry				
Y	80.1 Termination for Convenience of the Employer				
	Total to Preliminaries for the Work Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	SPECIFICATIONS				
A	Division 1- General Requirements				
B	Division 2- Site Work				
C	Division 3- Concrete Work				
D	Division 4- Masonry				
E	Division 5- Metals				
F	Division 6- Wood and Plastic				
G	Division 7- Thermal and Moisture Protection				
H	Division 8- Door and Windows				
I	Division 9- Finishes				
J	Division 10- Specialties				
K	Division 11- Equipment				
L	Division 12- Furnishing				
M	Division 13- Special Construction				
N	Division 14- Lift				
O	Division 15- Mechanical				
P	Division 16- Electrical				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	SITE AND INSPECTION				
	Access and restrictions				
A	The Contractor shall be solely responsible for all matters regarding access to the Site including making his own arrangements for same; the Employer is unable to guarantee the availability of any particular access route to or any particular access point into the Site.				
B	The access ways are to be kept clear and free from obstructions and the Contractor shall be deemed to have allowed in his Tender for repairing at his own expense, on completion of the Works, any damage to the existing entrance, pavement, etc.				
C	Equipment and materials required for use on the Site may not be parked, stored or left in or over the streets adjacent to the Site.				
D	Where pollution could result from the carrying out of the Works, suitable damping or other effective measures are to be taken to prevent the spread of same beyond the Site boundaries.				
E	Access to the Site shall be limited as directed by the Engineer, the Employer or their authorized representatives. No other entry points will be allowed. Delivery schedules shall be submitted for approval to the Engineer prior to any delivery of materials, goods, and equipment being made. The Contractor shall also take care during the loading of debris / waste, etc or unloading of materials for the Works, to ensure that areas are not obstructed or traffic impeded, and he must comply with the instructions given in this respect by the Engineer, Employer, and their authorized representatives.				
F	The Contractor shall be responsible for making his own arrangements for access to the Site and he shall deemed to have allowed for any disruption, restriction on access to the areas and / or access point to the Site, temporary road closures, re-routings or diversions or any other matter which may arise in connection with access. No claims for additional expenses or extension of time will be entertained in connection with the foregoing. will be entertained in connection with the foregoing. The Tenderers particular attention is drawn to the fact that no queuing of the Contractor's traffic will be allowed and that all existing roads are common access roads and shall be shared with the general public.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	Site visit				
A	Tenderers are advised to visit the Site of the Works and make themselves thoroughly acquainted with the location, general Site conditions, type of soil to be excavated, accessibility storage space, restrictions for loading and off-loading materials etc and any other conditions which may affect their Tender.				
B	Tenderers are advised to pay particular attention to the extent of the Works to be executed on the Site. No claim for extra payment or extension of time for completion of the Works will be allowed on the grounds of ignorance of the conditions under which the Works of ignorance of the conditions under which the Works are to be carried out nor that the Authorities have imposed certain conditions on the carrying out of the Works.				
	Sub-soil conditions and Site investigation reports				
C	Any Site investigation reports, bore log records or other information which may be available to the Contractor are given in good faith as a guide only but without assurance as to their accuracy or applicability and without prejudice to the Contractor's liability under the Contract.				
D	The Tenderer shall be deemed to have been aware of to have accepted all risks arising out of any unfavorable or difficult sub-soil conditions, presence of existing reinforced concrete foundations, services, ordinance or any other obstructions whether foreseeable or unforeseeable, and the Contractor shall not be entitled to any extension of time or extra payment as compensation in respect thereof.				
	Site levels				
E	The Contractor shall, if required by the Engineer, establish his own bench mark using a nearby Government Bench Mark to be approved by the Engineer, all at the Contractor's own expense.				
	Contractor's responsibility to check Site conditions				
F	The Contractor shall be deemed to have made himself thoroughly acquainted with the location and nature of the Site and its surroundings, the access to the Site, storage and working space and all aspects of the Site and the Works which might affect his working, and to have allowed for the costs of all these in his Tender.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	Contractor's responsibility to check Site conditions (cont'd)				
A	No claim by the Contractor for additional monetary compensation or any extension of time shall be allowed on the grounds of any misunderstanding or allowed on the grounds of any misunderstanding or misapprehension in respect of the matters referred to in respect of the foregoing or on the grounds that incorrect or insufficient information was given to in respect of the foregoing or on the grounds that incorrect or insufficient information was given to him by any person whether or not in the employ of the Employer, or that the Contractor failed to obtain correct and sufficient information; nor shall the Contractor be relieved of any risk or obligation imposed or undertaken by him under the Contract on any such grounds or on the grounds that he did not or could not have foreseen any matter which may in fact affect or have affected the execution of the Works or compliance with his other obligations under the Contract.				
	Contractor to accept Site as found				
B	The Contractor shall accept the Site as found and take possession and maintain it in good order as from actual date of possession of those areas.				
C	The Employer assumes and shall have no responsibility for any change in the conditions of the Site after the date fixed for the Tender submission.				
D	Any information which may have been available to the Tenderer shall be deemed to have been given in good faith as a guide only and no responsibility will be taken by the Employer for its accuracy or for its applicability over the whole Site.				
E	No claim for a variation in the Contract Price or extension of time will be allowed on the grounds of ignorance of the conditions under which the Works are to be carried out.				
	SITE CLEARANCE WORKS				
F	The Contractor shall employ and be fully responsible the services of a fully experience and competent specialist sub-contractor to remove and safety dispose of all ordinance and Archaeological remains on the Site.				
	Total to Collection Page				

Item	Description of Work	Unit	Quantity	Rate	Amount
	SITE CLEARANCE WORKS (Cont'd)				
A	The Contractor shall be fully responsible to properly co-ordinate and Programmed these Works within the Construction Programmed and shall take all necessary measures to ensure the Works are carried out safely and to the appropriate regulations.				
	Soil erosion and sedimentation				
B	The Contractor shall be fully responsible for the complete design and provision of all Temporary Works necessary to control soil erosion and sedimentation on Site. The Contractor shall submit to the Engineer or his authorized Representative for approval his design and soil erosion and sedimentation plan for these Works. These Temporary Works shall be removed from Site upon completion of the Works unless otherwise directed by the Engineer. Preliminary details of these Works shall be submitted as part of Enclosure Number 4 with the Tender Documents.				
	Damage by erosion				
C	The Contractor shall be responsible for containment of the Site including temporary access roads. In the Site including temporary access roads. In the event of any erosion, washout or collapse, he shall reinstate the Site at his own expense. Should any spoil or debris from the Site or from other areas affected by the Works be eroded and washed down or collapse onto Government land or private property, the Contractor shall at his own expense comply with any Government Department's instructions or the Engineer's instructions as to the removal of such spoil and debris and the carrying out of any remedial work and he shall indemnify the Employer against any expense, liability, loss, claim or proceedings arising out of any damage or nuisance caused by such erosion, washing down or collapse.				
	Protection Works				
D	The Contractor shall amply protect all work and the Works including his own and that of all Subcontractors. No protection shall be removed until the approval of the Engineer or his authorized Representative has been obtained and it shall be the Contractor's sole responsibility for all damage sustained due to early removal and inadequate protection.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	TEMPORARY WORKS (cont'd)				
	Protection Works (cont'd)				
A	The Contractor shall be fully responsible for the complete design and provision of temporary protection works to protect the harbor and sea water area from the effects of any soils or materials that may be washed off the Landward Side of the Site and from any of the effects caused by the dredging and reclamation Works. It is envisioned that the Contractor will have to design and supply silt fencing which will be moved as the Works progresses. The Contractor shall submit for approval of the Engineer or his authorized Representative his complete design for such protection works. These Temporary Works shall be removed from Site upon completion of the Work or as further directed by the Engineer. Preliminary details of these Works shall be submitted as part of Enclosure No. 8 with the Tender Documents.				
	Other Temporary Works				
B	The Contractor shall provide all other Temporary Works items and / or carry out all other temporary work not specifically mentioned within the Contract Documents but which are / is inherently required and necessary for the execution, completion and maintenance of the Works, all of which shall be deemed to have been included in the ntractor's Tender Price.				
	Removal of Temporary Works				
C	The Contractor shall completely remove all Temporary Works items when their use is no longer required and clean up and repair all damage caused by installation or use of temporary facilities.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	Engineers Office				
A	Immediately upon possession of the Site the Contractor shall provide and maintain a suitable weather-tight office thereon for the use of the Engineer and his Assistants for 12 number people, of not less than 96 m2, fitted with lock-up desks, plan drawers and / or cupboards, plan benches, minimum of two wall mounted white boards, chairs and stools, and with kitchen and toilet accommodation attached or adjacent. The office shall be properly cleaned daily and equipped with air-conditioners, electric lights, power points, a telephone and a fax machine outlets, both with operational service lines for local and international use. The Contractor must pay all charges in connection therewith including the provision of all necessary power for the air-conditioners, lights, power points and equipment; he shall also provide and pay for, entirely at his own expense, a drinking water supply.				
B	The Contractor shall alter, adapt and / or relocate the temporary office to suit the approved programme and remove it on completion of the Works and make good or as directed by the Engineer.				
C	Details of these Works shall be submitted as part of Enclosure number 4 with the Tender Documents.				
	Provision of Vehicles for Use by Supervision Staff				
D	Provision of 2 No. four-wheel drive vehicle (2800 cc).				
E	Provision of 3 No. four-wheel drive double cabin pick-up vehicle (2800 cc).				
F	Expenses, overheads and profit on items A and B.				
G	Operation, maintenance, insurance and registration of vehicles for item A for the whole contract period plus two months.				
H	Operation, maintenance, insurance and registration for item B for the whole contract period plus two months.				
I	Provision of drivers				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	Provision of office equipment use by Supervision Staff (including maintenance)				
A	Desk top computer with the following software - Windows 98 - Excell and Word 2000 - Auto Cad 2000				
B	Photocopy machine -paper size:A3				
C	Pinter -paper size:A3				
	Walkie Talkies				
D	Provide and maintain 6 sets of walkie-talkie, 3 sets as a minimum for the use of the Main Contractor and 3 sets for the use of Engineer's Site supervisory staff; arrange for licenses and pay all license fees and charges in connection therewith.				
E	Upon completion of the Contract, the aforesaid 3 sets of walkie-talkie shall become the property of the Employer and shall be returned refurbished and handed over to the Employer in good working condition.				
	Protective Clothing etc.				
F	The Contractor shall provide at no extra cost 12 number hardhats and 12 pairs of safety boots for the use of the Engineer, his staff and visitors to the Site.				
	CO-ORDINATION WITH OTHER				
	Archaeological Preservation				
G	The Contractor shall incorporate within his overall Construction Programme the Works as included in the Tender Documents, of the Archaeological Contractor. The provision of Clause 27.1 of the Contract Conditions shall apply. The Contractor shall co-ordinate and co-operate with the Archaeological Specialist during the course of the Work.				
	Total to Collection Page				

THE TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL SUB-PROJECT

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	PRELIMINARIES FOR THE WORK				
	COLLECTION				
A	Total Page No. 1				
B	Total Page No. 2				
C	Total Page No. 3				
D	Total Page No. 4				
E	Total Page No. 5				
F	Total Page No. 6				
G	Total Page No. 7				
H	Total Page No./8				
I	Total Page No. 9				
J	Total Page No. 10				
K	Total Page No. 11				
L	Total Page No. 12				
M	Total Page No. 13				
N	Total Page No. 14				
O	Total Page No. 15				
P	Total Page No. 16				
Q	Total Page No. 17				
R	Total Page No. 18				
S	Total Page No. 19				
T	Total Page No. 20				
U	Total Page No. 21				
	Total to GENERAL SUMMARY (Carry to Appendix E Column (1) of Instructions to Tenderers)				

CONSTRUCTION COST

GENERAL SUMMARY

TOURISM SECTOR DEVELOPMENT PROJECT
RAGHADAN BUS TERMINAL

General Summary

Description	Amount
GENERAL SUMMARY	
Preliminaries	
Bill No. 1 - Building Works	
Bill No. 2 - External Works	
Total (Carry to Appendix E)	**-**

RAGHADAN BUS TERMINAL SUB-PROJECT

THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III

BILL NO. 1 BUILDING WORKS

TOURISM SECTOR DEVELOPMENT PROJECT **BILL NO. 1**
RAGHADAN BUS TERMINAL **BUILDING WORKS**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 02 SITEWORKS				-
	DIVISION 03 CONCRETE				-
	DIVISION 04 MASONRY				-
	DIVISION 05 METALWORK				-
	DIVISION 06 WOOD AND PLASTICS				-
	DIVISION 07 THERMAL AND MOISTURE PROTECTION				-
	DIVISION 08 DOORS AND WINDOWS				-
	DIVISION 09 FINISHES				-
	DIVISION 10 SPECIALTIES				
	DIVISION 11 EQUIPMENT				
	DIVISION 12 FURNISHINGS				
	DIVISION 13 SPECIAL CONSTRUCTION				
	DIVISION 14 CONVEYING SYSTEMS				
	DIVISION 15 MECHANICAL WORKS				-
	DIVISION 16 ELECTRICAL WORKS				-
	To General Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 02 - SITEWORKS				
	02060 DEMOLITION WORKS & SITE CLEARANCE Demolition including all substructure, structure, all services, except existing utilities to be maintain with necessary protection, and all necessary works incidental thereto complete, including removing and disposal of all debris etc··· and leaving the area to the level as indicated on the Drawings.				
2.1	Demolition of Existing Asphalt paving thick.	23570	M2		-
2.2	Demolition of Existing Walk way paving including curbstone.	5150	M2		-
2.3	Dismantle the existing steel structural shed and deliver to the location designated by the claint.	3648	M2		-
2.4	Demolition of existing concrete buildings, one floor.	1650	M2		-
2.5	Demolition of grass and tree area.	3550	M2		-
2.6	Dismantle the existing steel and wood kiosks.	730	M2		-
	02220 EXCAVATION AND BACKFILLING				
	EXCAVATION Excavation in any class of ground including earthwork, support, disposal of excavated material out of site, dewatering and surface treatment in accordance with specification section 02220				
2.7	Bulk excavation to Raft bottom lowest excavation level not exceeding 4.5 m.	55800	M^3		-
	Excavation in fill material including earthwork, supports and surface treatments in accordance with specification section 02220				
2.8	Trench excavation for ground beams	3	M^3		-
2.8a	Compaction of excavated sub soil to 8ton/m2 including load bearing tests per specification (Provisional Sum)	1	LS	5,300.00	5,300.00
2.8b	Loose soil replacement and compaction (provisional Sum)	1	LS	3,000.00	3,000.00
	02230 GRANNAR SUBBASE				
	Base-Course fill materials in accordance with specification sections 02220 and 02230				
2.9	Fill into excavations and to make up level under raft foundation level and toilet building footing level.	25120	M^3		-
2.10	150 mm thick combacted base-course for towers, tiled area and toilets building.	430	M^3		-
	To Collection			**JD**	

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 02 - SITEWORKS				
	Sub-base fill material in accordance with specification section 02220 and 02230.				
2.11	Fill into excavations and to make up levels over raft foundation level and toilet building footing level.	13990	M^3		-
	02910 PLANT PREPARATION				
	Top planting soil and 50 mm thick mulch layer as specification section 02910.				
2.12	300 mm thick top planting soil.	20	M3		-
2.13	50 mm thick multi layer.	40	M2		-
	02950 PLANTING				
	Shrubs, fines & trees including excavation, surface treatment to base of pit, planting soil, separation membrane, mulch, stakes and ties, in accordance with specification sections 02910 and 02950				
2.14	Bougainvillea Spectabilis.	32	No		-
2.15	Celtis Autralis 12/14.	36	No		-
2.16	Castanea Sativa 12/14.	17	No		-
2.17	Fraxinus Ornus 12/14.	31	No		-
2.18	Tilla Argentia 12/14.	13	No		-
2.19	Pinus Halapensis.	42	No		-
2.20	Plumbago Capensis.	8	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 02 - SITEWORKS				
	COLLECTION				
	Page No. 1/2/1				-
	Page No. 1/2/2				-
	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	03250 CONCRETE JOINT ACCESSORIES				
	Extruded PVC, heavy-duty water stop				
3.1	Double dumbbell pattern, middle installation, 230mm wide for expansion joint	135	M		-
	Formed expansion Joints, polystyrene Filler boards, including all additional formworks in accordance with specification section 03250				
3.2	Compressible Joint filler, 50 mm thick	225	M^2		-
	Joint Sealant, two Part Polysulphide Sealing compound, in accordance with specification section 03250 and 07900				
3.3	50 mm wide for expansion joints.	320	M		-
	03300 CONCRETE				
	Poured concrete in accordance with specification section 03300, 03200 and 03100				
	Substructure				
	Plain concrete class 15 (compressive strength of 15 MPa at 28 days) with sulphate resisting cement				
3.4	Blinding bed, 100 mm thick	7965	M^2		-
3.5	Blinding bed, 50 mm thick	6	M^2		-
3.6	Blinding bed to receive waterproofing layers, 50mm thick	2735	M^2		-
3.7	Blinding bed to receive waterproofing layers, 50 mm thick, sloped, under stairs and steps.	150	M^2		-
	Reinforced concrete class 30 (compressive strength 30 MPa at 28 days) with sulphate resisting cement				
3.8	Slab on grade, 150 mm thick.	430	M3		-
3.9	Slab on grade, 150 mm, sloped to ramps.	10	M3		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with sulphate resisting cement				
3.10	Trench foundation	33	M^3		-
3.11	Ground beams	2	M^3		-
3.12	Columns neck	9	M^3		-
3.13	Columns neck, circular.	28	M3		-
3.14	Walls, in any thickness, in contact with soil.	205	M^3		-
3.15	Raft foundations, 400 mm thick.	253	M^3		-
3.16	Raft foundations, 700 mm thick.	2627	M^3		-
3.17	Raft foundations, 700 mm vertical.	57	M^3		-
3.18	Raft foundations, 1000 mm.	3359	M^3		-
3.19	Raft foundations inverted beam type X-X including attached columns.	213	M^3		-
	SUPER STRUCTURE				
	Reinforced concrete class 30 (compressive strength 'of 30 MPa at 28 days) with Ordinary Portland Cement, Fairface finish.				
3.20	Suspended solid slab, 100 mm think	895	M^3		-
3.21	Suspended solid slab, 200mm think	9	M^3		-
3.22	Voult solid slabs.	12	M^3		-
3.23	Drop and upstand Beams	1655	M^3		-
3.24	Isolated Beams.	115	M3		-
3.25	Hidden beams.	55	M^3		-
3.26	Walls, in any thickness	1600	M^3		-
3.27	Arch lentils and beams.	70	M^3		-
3.28	Columns	175	M^3		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
3.29	Columns, circular.	310	M3		-
3.30	Staircases and attached beams and landings.	240	M^3		-
3.31	Trough slab drop rib, 700 × 200 mm wide.	235	M3		-
3.32	Trough slab drop rib, 370 × 150 mm wide.	120	M3		-
3.33	Trough slab drop rib, 650 × 200 mm wide.	340	M3		-
3.34	Trough slab drop rib, 800 × 250 mm wide.	540	M3		-
3.35	Trough slab drop rib, 250 × 125 mm wide.	40	M3		-
3.36	One way ribbed slab, 200 mm overall. Thickness, with 60 mm solid top and 140 mm deep ribs including concrete ribs and concrete block.	120	M2		-
3.37	One way ribbed slab, 250 mm overall. Thickness, with 70 mm solid top and 180 mm deep ribs including concrete ribs and concrete block.	85	M2		-
3.38	One way ribbed slab, 300 mm overall. Thickness, with 60 mm solid top and 240 mm deep ribs including concrete ribs and concrete block.	325	M2		-
	Reinforced concrete glass 20 (conpressive strength of 20 Mpa at 28 days) with ordinary Portland cement, plain finish, to				
3.39	Lintels, 200 mm high for block wall doors, openings and windows.	60	M3		-
3.40	Roof duct covers.	4	M3		-
	Plain concrete class 20 (compressive strength of 20 Mpa at 28 days) with ordinary Porland cement,				
3.41	Walls in any thickness behind stone cladding, plain finish.	1700	M3		-
3.42	Walls in any thickness, fairface finish.	50	M3		-
3.43	Mass concrete for steps forming and expansion joints sides.	25	M3		-
	03400 Precast Concrete				
	Precast concrete glass 30 (compressive strength of 30 Mpa at 28 days) with ordinary portland cement, fairface finish, including fixing and jointing in accordance with specification section 03400.				
3.44	Half circule column, 120 mm thick, 400 mm diameter.	53	M		-
	To Collection			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	Concret Formwork **Extra Over for fairface concrete (Grade 1) finish including 'positioning of grooves, chamamfer, " V" shapes, recesses etc., complete as shown on the drawings and 'and as specifications.**				
3.45	Fairfaced	61171	M2		-
3.46	Ordinary form complete as per specification	10326	M2		-
	Concrete Reinforcement **Deformed high yield bar reinforcement of characteristics strength FY=420 Mpa, including bending, hooks tying wires 'distance blocks and spacers, complete 'as per specifications**				
3.47	Various diameters	1702.42	ton		-
	Deformed mild steel bar reinforcement of characteristic strength FY=280 Mpa including bending, hooks, tying wires, distance blocks and spacer, complete as per specifications				
3.48	Verious diameter	189.16	ton		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	COLLECTION				
	Page No. 1/3/1				-
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	Page No. 1/3/3				-
	Page No. 1/3/4				-
	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 04 - MASONRY				
	04200 MASONRY				
	Hollow concrete blockwork including, forming cavity, reinforcement, wall ties and accessories in accordance with specification section 04200				
4.1	100 mm thick wall.	2100	M2		-
4.2	150 mm thick wall.	2200	M2		-
4.3	200 mm thick wall.	790	M2		-
	04400 NATURAL STONE CLADDING				
	Ajlon local stone cladding, fixed to faces of concrete and blockwork with 8 mm diameter every 200 mm both sides reinforcement net fixed to walls including anchor bolts, steel dowels, and backing cement mortar in accordance with specification section 04400				
4.4	Vertical to columns and walls, fine mechanical bush hammered, stone unit size 290 mm high × 40 mm thick.	4900	M2		-
4.5	Vertical to columns and walls, fine mechanical bush hammered, stone unit size 590 mm high × 40 mm thick.	5650	M2		-
4.6	Soffit of volted slabs.	130	M2		-
4.7	Coping, 350 mm wide/ and less × 50 mm thick, fine mechanical bush hammered, including dropper.	820	M		-
4.8	Coping, 400 × 50 mm thick, fine mechanical bush hammered, including dropper.	250	M		-
4.9	Coping, 450 × 50 mm thick, fine mechanical bush hammered, including dropper.	25	M		-
4.10	Coping, 350 × 50 mm thick, fine mechanical bush hammered.	15	M		-
4.11	Coping, 375 × 50 mm thick, fine mechanical bush hammered.	15	M		-
4.12	Coping, 400 × 50 mm thick, fine mechanical bush hammered.	196	M		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 04 - MASONRY				
	Ajlon local stone cladding, fixed to faces (Cont.)				
4.13	Coping, 450 × 50 mm thick, fine mechanical bush hammered.	120	M		-
4.14	Coping, 500 × 50 mm thick, fine mechanical bush hammered.	115	M		-
4.15	Coping, 750 × 50 mm thick, fine mechanical bush hammered.	36	M		-
4.16	Coping, 50 mm thick × variable wide (more than 800 mm wide).	25	M2		-
	Surround to face, sides and soffits of stone arches				
4.17	Stone arches 350 mm max. course side high.	470	M		-
4.18	Stone arches 450 mm max. course side high.	25	M		-
4.19	Stone arches 500 mm max. course side high.	160	M		-
4.20	Stone arches 750 mm max. course side high.	65	M		-
	Allowances for Special Stone Fittings				
4.21	Stone Jombs, 140 mm side wide, of 290 mm course high.	550	M		-
4.22	Stone Jombs, 140 mm side wide, of 590 mm course high.	300	M		-
4.23	Stone Lintels, 140 mm side wide of 290 mm course high.	340	M		-
4.24	Stone Lintels, 140 mm side wide of 590 mm course high.	80	M		-
4.25	Stone Sills, 140 mm side wide of 290 mm course high.	380	M		-
4.26	Stone Sills, 140 mm side wide of 590 mm course high.	160	M		-
	To Collection			JD	-

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 04 - MASONRY				
	Collection				
	Page No. 1/4/1				-
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	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 05 - METALS				
	STEEL SCREEN				
	Decorative steel tube screen including fixing, powder coated finish as Screen drawings and as specification section 05500				
5.1	Steel screen, for zone 3 central opening, overall size 3000 × 3600 mm high as shown on section A-A.	16	No		-
	STEEL BALUSTRADES				
	50 mm steel pipe handrail and balustrade, including painting and fixing as shown on drawings and specification section 05500.				
5.2	Raking and horizontal balustrade, 900 mm clear high, as detail 12, drawing RBT.A1002.	350	M		-
5.3	Raking and horizontal balustrade, 100 mm clear high, as detail 12, drawing RBT.A1002.	125	M		-
5.4	Raking and horizontal balustrade, 25 mm clear high, as shown on wall section drawings.	95	M		-
	STEEL PERGOLA				
	Steel structure pergola consist of steel pipes, anchors, polts, plates and all steel structure elements, including mahogany wood ribs, fixing, painting and all necessary related items.				
5.5	Steel pergola at zone 3, 2nd floor, 3250 mm total wide × 9500 max high × 43200 mm average long as shown on drawing RBT.S920.	Item	Sum		-
	STEEL PERGOLA				
	Steel structure pergola consist of steel pipes, anchors, polts, plates and all steel structure **elements, including pine wood beams, fixing, painting and all necessary related items as detail 20, drawing RBT.A-1003.**				
5.6	Steel structure pergola at zone 1 and zone 2, overall size on plan 20700 × 5900 mm.	2	No		-
5.7	Steel structure pergola at zone 5, overall size on plan 15200 × 5900 mm.	1	No		-
5.8	Steel structure pergola at zone 6, overall area on plan 70 m2.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 05 - METALS				
	EXPANSION JOINTS COVERS				
	Galvanized steel cover for expansion joints, 1.5 mm thick including fixing, pointing sealant and 4 mm thick torch applied membrane as vapor prrier in accordance with drawing RBT.A-1001 and 1002.				
5.9	Expansion joint over as detail 1.	11	Mr		-
5.10	Expansion joint over as detail 2.	16	Mr		-
5.11	Expansion joint over as detail 3.	17	Mr		-
5.12	Expansion joint over as detail 9.	10	Mr		-
5.13	Expansion joint over as detail 10.	4	Mr		-
5.14	Expansion joint over as detail 11.	8	Mr		-
	Aluminum profile cover for tiled expansion joints, as detail 4, drawing RBT.A-1001 including fixing and sealant.				
5.15	Expansion joint cover 70 mm wide as detail 4.	51	Mr		-
	STEEL SPIRAL STAIR				
	Steel structure spiral stair consist of steel pipes, anchors, polts, plates and all steel structure elements, including fixing, painting and all necessary related items.				
5.16	Steel structure spiral stair no 11, from level 752.60 to level 759.30.	Item	Sum		-
5.17	Steel structure spiral stair no 12, from level 752.60 to level 759.30.	Item	Sum		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 05 - METALS				
	Collection				
	Page No. 1/5/1				-
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Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 06 - WOOD AND PLASTICS				
	06200 FINISH CARPENTRY				
	Wood Pergolas				
	Mahogany wood pergola, including all decorative wood members, clear finish, fixing and accessories as specification section 06200				
6.1	Toilets pergola comprising 150 × 200 mm high main beams and decoration.	47	M		-
	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 07 - THERMAL & MOISTURE PROTECTION				
	07005 WATERPROOFING AND DAMPPROOFING				
	Single layer of polyster membrance, 4 mm thick, film finish, in accordance with specification section 07005				
7.1	Horizontal to beds under slab on grade and stairs.	2860	M2		-
7.2	Horizontal to wet area	780	M2		-
7.3	Horizontal and vertical to concrete planters.	50	M2		-
7.4	Vertical to basement walls.	600	M2		-
	Sundries in accordance with specification section 07005				
7.5	Expanded polystyrene protection board, 20 mm thick applied to horizontal and vertical of basement walls surfaces in contact with soil	600	M2		-
	Proprietary chemical (cristilazation) waterproofing comprising waterproofing layer in accordance with specification section 07005				
7.6	For top surfaces of volted slabs.	30	M2		-
	07500 ROOFING SYSTEM				
	Single layer of polyester roof waterproofing membrane including angle fillets and accessories all in accordance with specification section 07500				
7.7	Flat covering to roof on screed (measured separately) 4mm thick, slate finish.	2300	M2		-
7.8	Flat covering to tiled roofs on screed (measured separately) 4 mm thick, film finsh.	3100	M2		-
7.9	Vertical covering to concrete and block work plinth, 4mm thick including slate finish, girth 250 mm	1170	M		-
	Sundries in accordance with specification section 07500				
7.10	Working around roof and balcony drains	35	No		-
	Aluminium flashing including fixings, accessories reglet channel, and pointing with polysulphide rubber based compound in accordance with specification section 07300				
7.11	Girth 250 mm	1170	M		-
	To Summary			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 08 - DOORS AND WINDOWS				
	08114 STEEL DOORS AND FRAMES				
	Painted galvanized steel tube full flash doors and frames including decoration, painting, hardware and sealant in accordance with specification section 08114				
8.1	Door type (D1), 2200 × 2950, full louvered.	3	No		-
8.2	Door type (D1), 2200 × 2350, full louvered.	2	No		-
8.3	Door type (D1), 2200 × 2150, full louvered.	2	No		-
8.4	Door type (D1), 1500 × 2150, full louvered.	1	No		-
8.5	Door type (D2), 1000 × 2250.	4	No		-
8.6	Door type (D2), 1000 × 800.	1	No		-
8.7	Door type (D2), 900 × 2150.	5	No		-
8.8	Door type (D2), 1000 × 2200.	1	No		-
8.9	Door type (D2), 1000 × 2150.	13	No		-
8.10	Door type (D2), 1000 × 2450.	2	No		-
8.11	Window type (W1), 1000 × 1200, full louvered.	2	No		-
	Galvanized steel slats roller shutter doors, including steel box, steel guide, ironmongory and manual operation system in accordance with specification section 08114.				
8.12	Door type (D4), overall clear size 2400 × 2950 mm.	6	No		-
8.13	Door type (D4), overall clear size 2800 × 3400 mm.	6	No		-
8.14	Door type (D4), overall clear size 1300 × 3400 mm.	1	No		-
8.15	Door type (D4), overall clear size 2400 × 3400 mm.	7	No		-
8.16	Door type (D4), overall clear size 2100 × 3400 mm.	4	No		-
8.17	Door type (D4), overall clear size 3000 × 2550 mm.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 08 - DOORS AND WINDOWS				
	Galvanized steel slats roller shutter (Cont.)				
8.18	Door type (D4), overall clear size 2500 × 3400 mm.	6	No		-
8.19	Door type (D4), overall clear size 3300 × 3050 mm.	2	No		-
8.20	Door type (D4), overall clear size 1000 × 3050 mm.	1	No		-
8.21	Door type (D4), overall clear size 3000 × 2750 mm.	16	No		-
8.22	Door type (D4), overall clear size 2800 × 2750 mm.	14	No		-
8.23	Door type (D4), overall clear size 2700 × 3050 mm.	6	No		-
8.24	Door type (D4), overall clear size 2800 × 3350 mm.	1	No		-
8.25	Door type (D4), overall clear size 2800 × 2800 mm.	2	No		-
8.26	Door type (D4), overall clear size 2800 × 3350 mm.	2	No		-
8.27	Door type (D4), overall clear size 3300 × 3050 mm.	35	No		-
	1.5 hour fir rated galvanized steel tube full flash doors and frames including decoration, painting, hardware and sealant in accordance with specification section 08114				
8.28	Door type (D5), size 1000 × 2150 mm.	17	No		-
8.29	Door type (D2), size 1000 × 2950 mm.	1	No		-
8.30	Door type (D2), size 1000 × 2515 mm.	1	No		-
8.31	Door type (D2), size 1000 × 2150 mm.	7	No		-
8.32	Door type (D2), size 1000 × 2200 mm.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 08 - DOORS AND WINDOWS				
	08120 ALUMINUM DOORS AND FRAMES				
	Polyster powder coated aluminum doors and frames, single glazed with 6 mm clear float glass including fxing beads, gaskets, ironmongery, weather strips and all accessories in accordance with specification section 08120 and 08800.				
8.33	Door type (6), overall size 3600 × 2950 mm.	2	No		-
8.34	Door type (6), overall size 3600 × 3115 mm.	2	No		-
8.35	Door type (8), overall size 3600 × 2800 mm.	2	No		-
8.36	Door type (9), overall size 2200 × 2500 mm.	1	No		-
8.37	Door type (10), overall size 5500 × 3050 mm.	3	No		-
8.38	Door type (11), overall size 19500 × 3000 mm.	1	No		-
	08211 WOOD DOORS AND FRAMES				
	Pine full flush wood door and frame including oil painting, hardware and sealant in accordance with specification section 08211				
8.39	Door type (7), 1000 × 2150 mm.	4	No		-
	Pine full flush wood door and beech wood frame, liping and architrave, fased both sides by 0.7 mm thick hard plastic laminate veneer, including clear finish, hardware and sealant in accordance with specification section 08211				
8.40	Door type (3), 800 × 2060 mm.	65	No		-
8.41	Door type (3), 1000 × 2060 mm.	1	No		-
8.42	Door type (3), 1000 × 2100 mm.	3	No		-
8.43	Door type (3), 800 × 2150 mm.	1	No		-
8.44	Door type (3), 800 × 2100 mm.	32	No		-
8.45	Door type (3), 900 × 2200 mm.	2	No		-
8.46	Door type (3), 800 × 2200 mm for handicapped bathes.	2	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 08 - DOORS AND WINDOWS				
	08520 ALUMINIUM WINDOWS				
	Polyester powder coated aluminium windows, single glazed with 6 mm clear float glass including flashing, ironmongery, flyscreens, sealant, fixing beads and gaskets in accordance with specification section 08250				
8.47	Window type (W2), 3600 x 2400 mm, arch top.	3	No		-
8.48	Window type (W3), 3600 x 3070 mm, arch top.	1	No		-
8.49	Window type (W4), 5550 x 600 mm.	2	No		-
8.50	Window type (W5), 6800 x 600 mm.	21	No		-
8.51	Window type (W6), 3600 x 2700 mm.	48	No		-
8.52	Window type (W7), 6400 x 600 mm.	3	No		-
8.53	Window type (W8), 2000 x 2700 mm.	6	No		-
8.54	Window type (W9), 12000 x 2800 mm.	2	No		-
8.55	Window type (W10), 20800 x 2450 mm.	1	No		-
8.56	Window type (W11), 19755 x 2450 mm.	1	No		-
8.57	Window type (W12), 1750 x 600 mm.	1	No		-
8.58	Window type (W13), 600 x 1200 mm.	7	No		-
8.59	Window type (W14), 2450 x 2700 mm.	4	No		-
8.60	Window type (W15), 2600 x 2700 mm.	4	No		-
8.61	Window type (W16), 600 x 800 mm, for shops bathes	110	No		-
8.62	Window type (W13), 500 × 1200 mm, for large bus terminal toilets windows.	4	No		-
8.63	Removable louver panel, 700 × 600 mm, for roof ducts.	44	No		-
	08700 GLAZING				
	6 mm clear flaot glass mirror including brass frame and fixing.				
8.64	400 × 600 mm mirror for toilet building and towers baths.	33	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 08 - DOORS AND WINDOWS				
	COLLECTION				
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	Page No. 1/8/3				-
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	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 09 - FINISHES				
	INTERNAL FINISHES				
	09220 PORTLAND CEMENT PLASTER				
	20 mm thick, three coat plaster including all necessary angles, stop beads and expanded metal strips at junctions of differing backgrounds in accordance with specification section 09220				
	Internal				
9.1	Walls, columns and parapets, internally	13500	M^2		-
9.2	Soffits of concrete slabs	750	M^2		-
9.3	Soffits of concrete slabs, sloped.	300	M2		-
	External				
9.4	Walls, parapets and roof walls and parapets.	1600	M^2		-
9.5	Soffits of external concrete slabs	80	M^2		-
9.6	Volted slabs.	30	M2		-
	09300 CERAMIC TILING				
	Local ceramic tiles, top quality, fixed with adhesive including background (cement screed and plaster) and grouting in accordance with specification section 09300,				
9.7	Floor tiles, 200 x 200 x 7 mm thick for bathrooms and wash basin area.	610	M^2		-
9.8	Floor tiles, 200 x 200 x 7 mm thick for kitchens.	65	M2		-
9.9	Wall tiles, 200 x 300 x 6 mm thick for bathrooms and wash basin area.	2400	M^2		-
9.10	Wall tiles, 200 x 300 x 6 mm thick for kitchens.	115	M2		-
9.11	Decorative wall band including forming projected holly book (Quran) writing, 600 mm high using special ceramic tile.	37	M		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 09 - FINISHES				
	09410 TERRAZZO TILING				
	Terrazzo tiles on and including 20 mm thick mortar bed, sand fill and grouting in accordance with specification section 09410				
9.12	Floor tiles, 250 x 250 x 25 mm.	3840	M^2		-
9.13	Skirting, 15 mm thick x 100 mm high.	2650	M		-
9.14	Stair treads, 40 mm thick.	645	M		-
9.15	Stair risers, 30 mm thick, 150 - 160 mm high.	493	M		-
9.16	Stair risers, 30 mm thick, 176 mm thick high.	152	M		-
9.17	Stair landing skirting, 15 mm thick × 100 mm high.	240	M		-
9.18	Stair skirting, 15 mm thick.	330	M		-
	09600 STONE FLOOR AND WALL TILING				
	Ajlon local stone tile, fine mechanical bush hummered on and including 30 mm thick cement mortar beds, sand fill and grouting in accordance with specification section 09600.				
9.19	Floors, 250 mm wide random long × 40 mm thick.	4750	M2		-
9.20	Floors, 150 × 150 × 40 mm thick.	10	M2		-
9.21	Skirting, 150 × 20 mm thick.	45	M		-
9.22	Stair treads, 300 × 40 mm thick, curved edge.	535	M		-
9.23	Stair risers, 30 mm thick × 150 - 160 mm clear high.	403	M		-
9.24	Stair risers, 30 mm thick × morthan 160 - 170 mm clear high.	132	M		-
9.25	Door threshold, 50 mm thick × 180 mm wide.	300	M		-
	Local beige polished marble partitions, and sills including fixing, mortar bed and fixing and sealant.				
9.26	Urinals partitions, 30 mm thick × 500 mm wide × 1500 mm high including steel angle fixing system.	4	No		-
9.27	Roof parapets sills, 240 mm wide × 30 mm thick.	90	M		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 09 - FINISHES				
	Patterned Italian marble slabs for Octagon perimeter area as detail 27, drawing RBT.A-1006, including mortar bed, sand fill, polishing and grouting.				
9.28	Patterned floor, 20 mm thick, 3 deferent color.	83	M2		-
	09902 PAINTING				
	Internal				
	Plastic acrylic paint to internal plaster in accordance with specification section 09902				
9.29	Walls, columns and parapets, internally plastered surfaces.	13500	M2		-
9.30	Soffits of concrete slabs, internally plastered surfaces.	750	M2		-
9.31	Soffits of concrete slabs, internally sloped surfaces.	300	M2		-
9.32	**External**				
	Plastic acrylic paint with fine texture to external plaster in accordance with specification section				
9.33	External walls, parapets and roof walls and parapets.	1600	M2		-
9.34	External ceilings	80	M2		-
9.35	Volted slabs.	30	M2		-
	SUNDRIES				
	Cement screed , slop to drain, steel trowled, smooth finish				
9.36	50 mm minimum thick to roofs.	2300	M2		-
	Water Fountain				
	Water fountain including all civil, finish, water proofing, electrical and mechanical works, water nuzzle sealant, ceramic tile, stone sides and coping, as detail 19, drawing RBT.A-1003.				
9.37	Circular water fountain, 3000 mm diameter.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 09 - FINISHES				
	COLLECTION				
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	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	15060 PLUMBING PIPEWORK				
	HOT AND COLD WATER				
	Galvanized steel pipe class B, hard drawn, including valves and fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.1	16 mm diameter	4000	M		-
15.2	20 mm diameter	500	M		-
15.3	32 mm diameter	100	M		-
15.4	40 mm diameter	60	M		-
	PIX PIPES				
	Including valves, fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.5	16 mm diameter	2200	M		-
15.6	20 mm diameter	200	M		-
15.7	25 mm diameter	200	M		-
15.8	32 mm diameter	300	M		-
	WATER TANKS				
	Galvanized steel sheet tank 1.4 m thickness with supports, valves, flot valve, vent and drain.				
15.9	2 m3 at roof	32	No		-
	COPPER COLLECTOR				
	Copper collector with cabinet including valves, vents, fittings, protective material, hangers and supports in accordance with specification section 15060.				
15.10	32 mm diameter	17	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	GALVANIZED COLLECTOR				
	Galvanized collector with valves, fittings, vents and drains in accordance with specification section 15060.				
15.11	50 mm diameter, 1 m length.	11	No		-
	WATER HEATER				
	Electric water heater including fixing, thermostat, pressure relief valve, A.A.V, and all necessary gauges, valves, fexible connection, and associated pipe work in accordance with specification section 15451.				
15.12	Water heaters, 50 liter storage capacity	20	No		-
	HOT WATER PIPES				
	Galvanized hot water pipes and fittings with insulation in accordance with specification section 15060.				
15.13	16 mm diameter	150	No		-
	WATER METER				
	Water meters with all fittings valves, non return valves, strainers ···etc sizes should be approved from the local water authorities. The contractor is to make all the necessary coordination and follow up with the local authorities to connect the domestic water to the buildings.				
15.14	16 mm diameter	92	No		-
	To connect from main line of water city to water meter room.				
15.15	50 mm diameter (4 lines).	150	M		-
15.16	Ditto, but 16 mm diameter (5 lines).	150	M		-
	CAST IRON BOILER				
	Cast iron boiler in accordance with specification section 15290.				
15.17	45000 KCAL/H	4	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	Circulating Heat Pumps				
	valves, vents and fittings, protective material, hangers and supports in accordance with specification section 15452.				
15.18	5 GPM AT 10 FT	4	No		-
15.19	5 GPM AT 11 FT	4	No		-
15.20	5 GPM AT 12 FT	4	No		-
15.21	5 GPM AT 13 FT	4	No		-
15.22	5 GPM AT 14FT	4	No		-
	CAST IRON RADIATOR				
	With valves, vents and fittings and supports in accordance with specification section 15290.				
15.23	Cast iron radiator	1600	Sec.		-
	CHIMNEY				
	Supply and install steel main chimney 5 mm thickness complete with all necessary fixing accessories, non return damper, clean out in boiler room, heat resistance paint and rook wall thermal insulation with aluminum foil, complete as shown on drawings and specification.				
15.24	200 mm diameter.	120	M		-
	Ditto, but 3 mm thickness inside boiler room complete.				
15.25	200 mm diameter.	8	M		-
	Black steel pipes for heating in duct. Including valves, fittings and insulation in accordance with specification section 15060.				
15.26	25 mm diameter	600	M		-
	COPPER COLLECTOR				
	Copper collector with cabinet including valves, vents and fittings, protective material, hangers and supports in accordance with specification section 15060.				
15.27	32 mm diameter	20	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	PIX PIPES				
	Including valves and fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.28	16 mm diameter	1200	M		-
	Black steel collector including valves, vents and fittings, protective material, hangers and temperature gauges in accordance with specification section 15060.				
15.29	75 mm dia 1.25 length	8	No		-
	EXPANSION TANK				
	Galvanized steel sheet tank 2 mm thickness with supports, valves, flot valve, vent and drain.				
15.30	250 liter.	4	No		-
	DIESEL TANKS				
	Galvanized steel sheet tank 2 mm thickness with supports, valves, flot valve, vent, and drain.				
15.31	2 M3	8	No		-
	Black steel pipes for diesel including valves, fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.32	15 mm diameter	50	M		-
15.33	50 mm diameter	100	M		-
	FIRE FIGHTING SYSTEM				
	Fire fighting system in accordance with specification section 15530.				
	Extinguishers				
15.34	6 kg water/Co2	130	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	BLACK STEEL PIPES FOR FIRE FIGHTING SYSTEM				
	Including valves and fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.35	25 mm diameter	60	M		-
15.36	65 mm diameter	120	M		-
	FIRE HOSE REEL WITH CABINET				
	Including valves, hose reel and nozzle, in accordance with specification section 15530.				
15.37	Fire hose reel with cabinet.	20	No		-
	FIRE FIGHTING PUMPS				
	Including valves, strainers, fittings, base, pressure gages and pumps at roof.				
15.38	15 GPM AT 55FT	4	Set		-
	DRAINAGE SYSTEM				
	U.P.V.C PIPES				
	Including valves and fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.39	50 mm diameter	500	M		-
15.40	75 mm diameter	350	M		-
15.41	110 mm diameter	1800	M		-
15.42	150 mm diameter.	2000	M		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	MANHOLE				
	Concrete manholes with cover and frame heavy duty type as specified as Jordanian code with different depths.				
15.43	45 - 60 m.	16	No		-
15.44	60 - 80 m.	14	No		-
15.45	80 - 150 m.	17	No		-
15.46	More than 150 m.	20	No		-
	SOIL WASTE AND VENT				
	Floor Drain (u.p.v.c)				
15.46	110 mm diameter	140	M		-
	Floor Clean Outs				
15.47	110 mm diameter	145	M		-
	Ceiling Clean Out (u.p.v.c)				
15.48	110 mm diameter	40	M		-
	15440 PLUMBING FIXTURES				
	Local made plumbing fixtures and mixers including traps, wastes and accessories in accordance with specification section 15440.				
15.49	Wash hand basin wall hung	220	No		-
15.50	Water closet with cistern eastern type 1.	110	No		-
15.51	Water closet with cistern western type 2.	100	No		-
15.52	Urinal.	15	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	RAIN WATER SYSTEM				
	U.P.V.C PIPES				
	Including fittings, sleeves, protective material hangers and supports in accordance with specification section 15060.				
15.53	110 mm diameter	1000	M		-
15.54	75 mm diameter.	100	M		-
	Rain drain (u.p.v.c)				
15.55	75 mm diameter	15	No		-
15.56	110 mm diameter	38	No		-
	Ceiling Clean Out (u.p.v.c)				
15.57	110 mm diameter	22	No		-
	Submersible Pump with Fountain				
	Including valves, vents and fitting, protective material, hangers and supports.				
15.58	1/2 h.p	1	Set		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Total JD
	DIVISION 15 - MECHANICAL				
	COLLECTION				
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	To Summary			**JD**	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
16.1	Allow for Jepco step down power transformer 1500 KVA-11/0.4 KV/50HZ complete with ringmain unit and 11 KV power cables by coordination with Jepco. Including transformer foundation, trenches, earthing and all necessary sleeves for main cable entry and all related civil works.	PS	PS		-
	Main, submain distribution panel boards, and branch circuit distribution boards complete with main ACBS, MCCBS or MCBS all out going MCCBS/ MCBS and Contactors complete with metering instruments, indication lamps, metering compartments foundations, trenches, sleeves and all necessary works related to this item found necessary to complete the works as shown on drawings and as specified.				
16.2	MDB	1	No		-
16.3	DBS	1	No		-
16.4	DBSA	1	No		-
16.5	DBSA1	1	No		-
16.6	DBSA2	1	No		-
16.7	MDBG	1	No		-
16.8	MDBF	1	No		-
16.9	MDBS1	1	No		-
16.10	MDBS2	1	No		-
16.11	DBTM	1	No		-
16.12	DBTGAM	1	No		-
16.13	DBTP	1	No		-
16.14	DBTCD	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
16.15	8 ways SPN/ shops DBS	108	No		-
16.16	6 ways SPN shops DBS	8	No		-
16.17	6 ways TPN shops DBS	6	No		-
16.18	12 ways SPN DBS for towers	18	No		-
16.19	Power splitter unit "TG" for toilets and or electrical rooms comprising 2 No MCBS or as shown on drawings in a weather proof IP65 corrosion resistance installed al 2.0 meters from FFL and as shown on drawings and as specified.	10	No		-
16.20	30 A TPN isolator for towers lifts.	4	No		-
16.21	45 ATPNI isolator for shopping area lift.	1	No		-
	Main and submain feeder installations including cables, conduits, ducts, sleeves, cable glands, cable lugs, manholes, terminations and all necessary works to complete the works in an operable and accepted manners.				
16.22	3 × 4 mm2 PVC/PVC copper for toilet consumer units and or electrical rooms and or wiring to external lighting circuits.	400	MR		-
16.23	3 × 10 mm2 PVC/PVC/ copper on cable trays (cable tray item measured separately).	6000	MR		-
16.24	3 × 10 mm2 PVC/PVC/ copper in 32 mm cond.	1000	MR		-
16.25	Recessed draw in box to terminate feeding cable to shops.	120	No		-
16.26	3 × 16 mm2 PVC/ cooper in 38 mm Dia conduit.	580	MR		-
16.27	5 × 10 mm2 PVC/ copper in 38 mm Dia cond.	250	MR		-
16.28	4C × 35 mm2 PVC/SWA/PVC copper on cable tray (cable tray measured under separate item).	250	MR		-
16.29	4C × 35 mm2 PVC/SWA/PVC copper in 100 mm duct	250	MR		-
16.30	4C × 35 mm2 PVC/SWA/PVC/CU in 75 mm duct.	62	MR		-
16.31	4C × 150 mm2 + 70 mm2 PVC/SWA/PVC/CU in 100 mm duct.	500	MR		-
16.32	4 C × 150 mm2 + 70 mm2 PVC/SWA/PVC/CU on cable tray (cable tray item measured separately).	55	MR		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
16.33	1 core x 630 mm2 XLPE/AWA/PVC from transformer to MDB in trench.	180	MR		-
16.34	3 x 4 mm2 PVC/PVC/ copper in 25 mm Dia conduit.	1100	MR		-
16.35	5 x 4 mm2 PVC/PVC/ copper in 25 mm Dia conduit.	1800	MR		-
16.36	3 x 6 mm2 PVC/SWA/PVC/ copper in 32 mm Dia Conduit.	255	MR		-
16.37	5 x 4 mm2 PVC/SWA/PVC copper in 32 mm Dia Conduit.	600	MR		-
16.38	5 x 10 mm2 PVC/SWA/PVC/ copper in 75 mm Dia Conduit.	300	MR		-
16.39	5 x 16 mm2 PVC/SWA/PVC/ copper in 75 mm Dia Conduit.	1150	MR		-
16.40	5 x 10 mm2 PVC/PVC/ copper in 38 conduit.	900	MR		-
16.41	Terminal J. box for fixture type A or A1 as detailed on drawings.	140	No		-
16.42	5 x 6 mm2 PVC/SWA/PVC/ copper in 75 mm duct.	200	MR		-
16..43	Terminal J. box for fixture type PB-1.	90	No		-
16.44	5 x 4 mm2 PVC/SWA/PVC/ copper in 50 mm Dia Conduit.	200	MR		-
16.45	Ceiling junction boxes for future lighting in shops or towers each served by one circuit and two gang 10A light switch complete with wiring, conduits and all necessary accessories.	260	No		-
16.46	A/C junction box served by 20 Amps double pole switch complete with wiring conduits and all accessories.	180	No		-
16.47	Outlet for water heater complete with 20 Amps double pole switch complete with wiring, conduits and all accessories.	9	No		-
16.48	13 Amps switched socket outlet including wiring conduit and all accessories.	500	No		-
16.49	Outlet for future sign board in shops controlled by 1 gang 10 Amps switch complete with wiring conduits and accessories.	128	No		-
16.50	Outlet for extract fan point in toilet areas controlled by one way one gang 10 A switch.	180	No		-
16.51	Ceiling lighting point for shops toilets controlled by 1 way one gang 10 A switch.	180	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
	Cable Trays				
	Cable trays including supports, hangers, bends, TEES, reducers, couplings, covers, and all necessary accessories for the following widths				
16.52	90 cm × 5 cm.	15	MR		-
16.53	60 cm × 5 cm.	550	MR		-
16.54	30 cm × 5 cm.	230	MR		-
	Cable Trunking				
	Cable Trunking including covers, supports, hangers, bends, tees, reducers, cable supporting brackets, couplers, and all necessary accessories for the following dim.				
16.55	50 × 50 mm.	600	MR		-
16.56	100 × 100 mm.	60	MR		-
16.57	150 × 150 mm.	220	MR		-
	Lighting Installation				
	Lighting installation including light fixtures, lamps, poles, brackets, supports, foundations, control gear, HPF control gear, termination, conduits, wiring, switching devices and all accessories to complete the job for the following fixtures types all as shown on drawings and specified:				
16.58	Type A.	125	No		-
16.59	Type A1.	17	No		-
16.60	Type B.	78	No		-
16.61	Type C.	100	No		-
16.62	Type F2.	62	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
16.63	Type P1.	30	No		-
16.64	Type P2.	6	No		-
16.65	Type P3.	36	No		-
16.66	Type PB.	90	No		-
16.67	Type L.	55	No		-
16.67.1	Type C1	23	No		-
	Telephone installation including conduits, wires, cables, RJ11 plates, and all necessary accessories to complete the work.				
16.68	Allow for main cable from JTC to MTC.	PS	PS		-
16.69	MTC.	1	No		-
16.70	TC F1.	1	No		-
16.71	TC F2.	1	No		-
16.72	TC CD.	1	No		-
16.73	TCP.	1	No		-
16.74	TCT GAM.	1	No		-
16.75	TCT management.	1	No		-
16.76	TC - 10 pairs (towers).	18	No		-
16.77	Telephone outlet.	200	No		-
16.78	2 pair Tel. Cable for shops.	8000	MR		-
16.79	20 pair Tel. Cables to towers.	600	MR		-
16.80	Feeders telephone cables to TCF, and TC F2.	70	MR		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
	Earthing				
	Allow for earthing system to cover all MDS, submain DBS, in electrical rooms and area lighting columns and main substation including all accessories and required works to give satisfactory earthing resistance results and not exceed 2 ohms.				
16.81	Allow for MTC earthing in a separate earthing system.	LS	LS		-
	Lighting protection system for towers including all necessary accessories and works to complete the job.				
16.82	Horizontal conductor 3 × 25 mm copper tape.	1800	MR		-
16.83	1 × 35 mm2 down copper conductor.	500	MR		-
16.84	Air discharging terminal (spike).	4	No		-
16.85	Test joint.	16	No		-
16.86	Earth pit to give resistance less than 5 ohms.	16	No		-
	Lifts Installations				
	Lifts installations including the design, manufacture, test, deliver to site, submit detailed technical data and drawings for all lifts as shown on drawings and specified:				
16.87	Gam tower lift 5 stops in line.	1	No		-
16.88	Management tower lift 4 stops in line.	1	No		-
16.89	Shopping center lift 3 stops in line.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 16 - ELECTRICAL WORKS				
	COLLECTION				
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RAGHADAN BUS TERMINAL SUB-PROJECT

THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III

BILL NO. 2 EXTERNAL WORKS

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 02 SITEWORKS				
	DIVISION 03 CONCRETE				
	DIVISION 05 METALWORK				
	To General Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 02 - SITEWORKS				
	02220 EXCAVATION AND BACKFILLING				
	EXCAVATION				
	Excavation in any class of ground including earthwork, support, disposal of excavated material out of site, dewatering and surface treatment in accordance with specification section 02220				
2.1	Bulk excavation to bottom lowest excavation level not exceeding 1 m.	5200	M^3		-
2.2	Bulk excavation to bottom lowest excavation level not exceeding 3.5 m for footing.	1055	M^3		-
	02230 GRANNAR SUBBASE				
	Base-Course fill materials in accordance with specification sections 02220 and 02230				
2.3	Fill into excavations and to make up level under and over foundation level.	3550	M3		-
	02517 STONE PAVERS				
	Ajlon local stone tile, mechanical bush hummered, on and including 30 mm thick cement mortar beds, sand fill and grouting in accordance with specification section 02517.				
2.4	Floors and stepes, 250 mm wide × random long × 40 mm thick.	90	M2		-
2.5	Floors and stepes, 250 mm wide × random long × 40 mm thick, slope for ramps.	40	M2		-
2.6	Stair tread, 40 mm thick, 300 mm wide, curved edg.	440	M		-
2.7	Stair riser, 30 mm thick, 150 - 160 mm wide.	440	M		-
2.8	Patterned floors as detail 25, drawing RBT-1003, 40 mm thick.	660	M2		-
2.9 2.10	Stone coping for planter box, 250 × 100 mm thick including 200 mm thick concrete base, as detail 30, drawing RBT.A-1006, internal box diminution 800 × 800 mm.	15	No		-
2.11	600 mm wide × 70 mm thick stone seat as detail 21, drawing RBT.A-1003, including 200 mm thick fair face concrete base.	21	M		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 02 - SITEWORKS				
	02518 CONCRETE PAVERS				
	Precast concrete curbs set in mortar bed including foundation and haunchings.				
2.12	Concrete curbs, 400 × 400 mm high × 200 mm thick.	5220	M		-
2.13	Concrete curbs, 400 × 200 mm high × 400 mm wide, inverted and sloped edge for step concrete as detail 3, drawing RBT.A-1006.	635	M		-
	Precast concrete tile on and including mortar bed, jointing and sand fill on concrete slab (measured separately).				
2.14	400 × 400 × 40 mm smooth finish.	10650	M2		-
2.15	Stair treds, 300 mm × 40 mm thick.	220	M		-
2.16	Stair risers, 30 mm thick × 150 - 160 mm high.	220	M		-
	02575 PAVEMENT WORK				
	Asphalt paving including 70 mm binder course, 50 mm wearing course and 180 mm thick compacted base course as specification section 02575.				
2.17	Asphalt pavement, 300 mm total courses thick.	19700	M2		-
	Water Fountain				
	Water fountain including all civil, finish, water proofing, electrical and mechanical works, water nozzle, ceramic tile, stone coping, block work and sealant, as detail 23, drawing RBT.A-1003.				
2.18	External water fountain, 9250 × 3500 mm wide.	1	No		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 02 - SITEWORKS				
	COLLECTION				
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Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	03300 CONCRETE				
	Poured concrete in accordance with specification section 03300, 03200 and 03100				
	Substructure				
	Plain concrete class 15 (compressive strength of 15 MPa at 28 days) with sulphate resisting cement				
3.1	Blinding bed, 100 mm thick	127	M^2		-
	Reinforced concrete class 30 (compressive strength 30 MPa at 28 days) with sulphate resisting cement				
3.2	Slab on grade, 100 mm thick.	1085	M3		-
	Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with sulphate resisting cement				
3.3	Trench foundation	50	M^3		-
3.4	Walls, in any thickness, in contact with soil.	60	M^3		-
3.5	Stairs, cast on grade.	35	M3		-
	Plain concrete class 18 with ordinary cement				
3.5-1	Planter box wallv and sides as detail 22, drawing RBT, A-1003, fair face finish	5	M3		-
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	Concret Formwork **Extra Over for fairface concrete (Grade 1) finish including positioning of grooves, chamamfer, " V" shapes, recesses etc., complete as shown on the drawings and as specifications.**				
3.6	Ordinary form	5816	M2		-
	Concret Reinforcement **Detormed high yield ber reinforcement of characteristics strength FY=280 Mpa including bending, hooks, tying wires, distance blocks and spacer, complete as per specifications**				
3.7	**Various diameters**	126.32	T		
	To Collection			**JD**	**-**

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 03 - CONCRETE WORK				
	COLLECTION				
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	To Summary			JD	-

Item	Description	Quantity	Unit	Rate JD	Amount JD
	DIVISION 05 - METALS				
	STEEL STRUCTURE				
	Steel structure sheds including all steel members, anchors, polts, plates, cover material pre-painted corrugated sheets, painting, all civil works, fixing and all related accessories and works,				
5.1	Steel structure shed for large bus terminal, overall size 76500 × 20500, as shown on drawings RBT.S851, 852, 853 and 854.	Item	Sum		-
5.2	Minibus shed, overall, size 15000 × 2750 x 3450 mm, as drawing RBT.S855.	23	No		-
5.3	Taxis shed, overall, size 12500 × 2750 x 3350 mm, as drawing RBT.S855.	24	No		-
	Steel structure over-pass bridge and stairs as per drawings and specification including:				
	1. Foundations: Including excavation, backfilling and reifs concrete.				
	2. Hot rolled sections of all types and dimensions with all accessories and bolts.				
	3. R.C. deck of 12 cm depth.				
	4. 3 layes of prime cast of zinc chromate paint of 2-layes of finish cast, on sand blashed sections.				
	5. Handrails according to Arch. Drawings.				
5.4	Steel structure bridge at gridline X21 - X23 over Al - Hashmi street (bridge 1).	Item	Sum		-
5.5	Steel structure bridge over Musallama Bin Abu Malek street, including steel stairs (bridge 2).	Item	Sum		-
5.6	Steel structure stair at gridline X40 - X41.	Item	Sum		-
	Steel Covers				
	Steel covers for vent duct, as detail 26, drawing RBT. A=1000				
5.7	Steel cover 1500 x 1500 mm	1	no		-
	To Summary			**JD**	**-**