

**VOLUME III**

**PART:1**

**PREAMBLE**

**PRELIMINARIES**

**BILL OF QUANTITIES**

## **PREAMBLE**

## **DIVISION 2: SITE CONSTRUCTION**

### **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 demolitoning.
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<sup>3</sup> 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<sup>2</sup> 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<sup>2</sup>.

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<sup>2</sup>.

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<sup>2</sup>.

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 division 9 of the Technical Specifications.

#### **A. Measurement**

- Measurement shall be net, no deduction has been made for voids not exceeding 0.50 m<sup>2</sup>.
- Measurement shall be net, with all openings exceeding 0.25 m<sup>2</sup> 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 division 9 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<sup>2</sup>.

#### **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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>PRELIMINARIES FOR THE WORK</u></b></p> <p><b><u>GENERAL PRINCIPLES</u></b></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>GENERAL PRINCIPLES ( cont'd )</u></b></p> <p>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.</p> <p>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)</p> <p>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.</p> <p><b><u>Pricing generally</u></b></p> <p>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.</p> <p>E The Contract shall be deemed to include for all Government taxes and import duties, fees, License</p>				
	<p>Total to Collection Page</p>				

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>GENERAL PRINCIPLES ( cont'd )</u></b></p> <p>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.</p> <p>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.</p> <p>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.</p>				
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**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
<b><u>GENERAL PRINCIPLES ( cont'd )</u></b>					
A	<p>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.</p>				
B	<p>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.</p>				
C	<p>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.</p>				
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PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b>				
	<b><u>PART I &amp; II</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

**PRELIMINARIES**

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

**PRELIMINARIES**

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

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

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>CONDITIONS OF CONTRACT</u></b> <b><u>PART I &amp; II ( CONT'D )</u></b>				
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 Decrease 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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>SPECIFICATIONS</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>SITE AND INSPECTION</u></b></p>				
	<p><b><u>Access and restrictions</u></b></p>				
A	<p>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.</p>				
B	<p>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.</p>				
C	<p>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.</p>				
D	<p>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.</p>				
E	<p>Access to the Site shall be limited as directed by the Engineer, the Employer or their authorized representatives.</p>				
	<p>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.</p>				
	<p>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.</p>				
F	<p>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.</p>				
	<p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>Site visit</u></b></p> <p>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.</p> <p>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.</p> <p><b><u>Sub-soil conditions and Site investigation reports</u></b></p> <p>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.</p> <p>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.</p> <p><b><u>Site levels</u></b></p> <p>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.</p> <p><b><u>Contractor's responsibility to check Site conditions</u></b></p> <p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
A	<p><b><u>Contractor's responsibility to check Site conditions (cont'd)</u></b></p> <p>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.</p> <p><b><u>Contractor to accept Site as found</u></b></p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p><b><u>SITE CLEARANCE WORKS</u></b></p> <p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>SITE CLEARANCE WORKS (Cont'd)</u></b></p> <p>A The Contractor shall be fully responsible to properly coordinate 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.</p> <p><b><u>Soil erosion and sedimentation</u></b></p> <p>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.</p> <p><b><u>Damage by erosion</u></b></p> <p>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.</p> <p><b><u>Protection Works</u></b></p> <p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<p><b><u>TEMPORARY WORKS (cont'd)</u></b></p> <p><b><u>Protection Works ( cont'd )</u></b></p> <p>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.</p> <p>The Contractor shall submit for approval of the Engineer or his authorized Representative his complete design for such protection works.</p> <p>These Temporary Works shall be removed from Site upon completion of the Work or as further directed by the Engineer.</p> <p>Preliminary details of these Works shall be submitted as part of Enclosure No. 8 with the Tender Documents.</p> <p><b><u>Other Temporary Works</u></b></p> <p>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 Contractor's Tender Price.</p> <p><b><u>Removal of Temporary Works</u></b></p> <p>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.</p>				
Total to Collection Page					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>Engineers Office</u></b>				
A	<p>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.</p> <p>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.</p> <p>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.</p>				
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.				
	<b><u>Provision of Vehicles for Use by Supervision Staff</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

PRELIMINARIES

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>Provision of office equipment use by Supervision Staff (including maintenance)</u></b>				
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				
	<b><u>Walkie Talkies</u></b>				
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.				
	<b><u>Protective Clothing etc.</u></b>				
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.				
	<b><u>CO-ORDINATION WITH OTHER</u></b>				
	<b><u>Archaeological Preservation</u></b>				
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  
AMMAN DOWNTOWN TOURIST ZONE SUB-PROJECT**

**PRELIMINARIES**

Item	Description of Work	Unit	Quantity	Rate	Amount
	<b><u>PRELIMINARIES FOR THE WORK</u></b>				
	<u>COLLECTION</u>				
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					

## **CONSTRUCTION COST**

**GENERAL SUMMARY**

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**General Summary**

Description	Amount
<u>GENERAL SUMMARY</u>	
Preliminaries	-
Bill No. 1 - Lookouts Works	-
Bill No. 2 - Plazas and Street Works	-
Bill No. 3 - Trails Works	-
Bill No. 4 - Mechanical Works	-
Bill No. 5 - Electrical Works	-
Profit	-
<b>Total (Carry to Form of Tender)</b>	<b>-</b>

## **BILL OF QUANTITIES**

**AMMAN DOWN TOWN TOURIST ZONE SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 1 LOOKOUTS WORKS**

**TOURISM SECTOR DEVELOPMENT PROJECT**

**BILL NO. 1**

**AMMAN DOWN TOWN TOURIST ZONE**

**LOOKOUTS WORKS SUMMARY**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 02 SITE WORKS				-
	DIVISION 03 CONCRETE WORKS				-
	DIVISION 04 MASONRY WORKS				-
	DIVISION 05 METAL WORKS				-
	DIVISION 06 WOOD AND PLASTICS				-
	DIVISION 07 THERMAL AND MOISTURE PROTECTION				-
	DIVISION 08 DOORS & WINDOWS WORKS				-
	DIVISION 09 FINISHES				-
	DIVISION 10 SPECIALTIES				-
	<b>To General Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITE WORKS</u></b>				
	<b><u>02060 DEMOLITION WORKS &amp; SITE CLEARANCE</u></b>				
	<b><u>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... , site clearance and preparation the area to receive new construction.</u></b>				
2.1	Demolition of projected existing stairs and concrete stairs.	20	M3		-
2.1a	Protection of existing utilities and adjacent property. (Provisional Sum)	1	LS	2,700.00	2,700.00
	<b><u>02220 EXCAVATION AND BACKFILLING</u></b>				
	<b><u>EXCAVATION</u></b>				
	<b><u>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.</u></b>				
2.2	Bulk excavation to reduce Levels from ground level not exceeding 3.5m	100	M <sup>3</sup>		-
2.3	Trench excavation to receive foundation	400	M <sup>3</sup>		-
	<b><u>BACKFILL</u></b>				
	<b><u>A1a class imported fill material in accordance with specification section 02220.</u></b>				
2.4	Fill into excavations	460	M <sup>3</sup>		-
2.5	To make up levels.	55	M <sup>3</sup>		-
2.6	Single size gravel fill for Al Hashmi Lookout Rubble stone wall including 100 mm PVC perforated drain pipe.	75	M3		-
	<b><u>02230 GRANNAR SUBBASE</u></b>				
	<b><u>Base-Course fill materials in accordance with specification sections 02220 and 02230</u></b>				
2.7	150 mm thick compacted base-course.	20	M <sup>3</sup>		-
2.8	150 mm thick compacted base-course, sloped under stairs and steps.	8	M <sup>3</sup>		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITE WORKS</u></b>				
	<b><u>02517 STONE PAVERS</u></b>				
	<b><u>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.</u></b>				
2.9	Floors and steps, 250 mm wide × 30 mm thick, type A.	100	M2		-
2.10	Floor, 200 × 200 × 30 mm thick, type H.	6	M2		-
2.11	Floors, random stone, 30 mm thick, type C.	55	M2		-
2.12	Floors, 250 × 250 × 30 mm thick, type G.	60	M2		-
2.13	Floors, 250 × 250 × 30 mm thick, semi riqular edge for all Qalla Lookout, type E.	12	M2		-
2.14	Band, 400 × 100 wide × 30 mm thick, type M.	15	M		-
2.15	Local stone tiles 15 × 40 × 20 mm, type U.	8	M		-
	<b><u>Ajlon stone stepping, natural finish, set on compacted soil free pattern, irregular size of minimum size 50 mm thick as shown on drawing.</u></b>				
2.16	Natural stone stepping, type T.	35	M2		-
	<b><u>Ajlon stone rizers, sand plast finish, round top edg, including mortar bed, sand fill and grouting in accordance with specification section 02517.</u></b>				
2.17	Stone rizer, type D1, 200 × 150 × 400 mm long.	30	M		-
2.18	Stone rizer, type D2, 250 × 150 × 400 mm long.	130	M		-
	<b><u>Natural finish Ajlon rubble stone, both side stone wall with grade 20 concrete in between, including mortar, pointing concrete base, stone unit thick.</u></b>				
2.19	Rubble and concrete retaining wall, 700 mm wide × 1500 mm clear exposed high for Al Qalaa Lookout.	43	M3		-
2.20	Rubble and concrete retaining wall for Al Hashmi Lookout including insert 100 mm thick PVC pipe for drain.	75	M3		-
	<b><u>02910 PLANT PREPARATION</u></b>				
	<b><u>Top planting soil including 50 mm thick mulch layer as specification section 02910.</u></b>				
2.21	Top planting soil.	55	M3		-
2.22	50 mm thick mulch layer (pebbles).	165	M2		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITE WORKS</u></b>				
	<b><u>02950 PLANTING</u></b>				
	<b><u>Shrubs and 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</u></b>				
2.23	Cupressus sempervirens (rocket)	1	No		-
2.24	Celtis Australis.	3	No		-
2.25	Euonymus Japonica.	18	No		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITE WORKS</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 1/2/1				-
	Page No. 1/2/2				-
	Page No. 1/2/3				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>03300 CONCRETE</u></b>				
	<b><u>Poured concrete in accordance with specification section 03300, 03200 and 03100</u></b>				
	<b><u>Substructure</u></b>				
	<b><u>Plain concrete class 15 (compressive strength of 15 MPa at 28 days) with sulphate resisting cement</u></b>				
3.1	Blinding bed, 100 mm thick	330	M <sup>2</sup>		-
3.2	Blinding bed to receive waterproofing layers, 50mm thick	170	M <sup>2</sup>		-
3.3	Blinding bed to receive waterproofing layers, 50 mm thick, sloped, under stairs and steps.	50	M <sup>2</sup>		-
	<b><u>Reinforced concrete class 30 (compressive strength 30 MPa at 28 days) with sulphate resisting cement</u></b>				
3.4	Slab on grade, 100mm thick	17	M <sup>3</sup>		-
	<b><u>Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with sulphate resisting cement</u></b>				
3.5	Trench foundation	65	M <sup>3</sup>		-
3.6	Walls, in any thickness, in contact with soil.	75	M <sup>3</sup>		-
3.7	Stairs and steps cast on grade.	10	M <sup>3</sup>		-
	<b><u>SUPER STRUCTURE</u></b>				
	<b><u>Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with Ordinary Portland Cement</u></b>				
3.8	Suspended solid slab, 200mm think	11	M <sup>3</sup>		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>Reinforced concrete class 30 (Cont.)</u></b>				
3.9	Drop and upstand Beams	4	M <sup>3</sup>		-
3.10	Beams	1	M <sup>3</sup>		-
3.11	Walls, in any thickness	40	M <sup>3</sup>		-
3.12	Arch lentils and beams.	2	M <sup>3</sup>		-
3.13	Columns	6	M <sup>3</sup>		-
	<b><u>Concret Formwork</u></b>				
	<b><u>Extra Over for fairface concrete (Grade 1) finishing includin positioning of grooves, chamamfer, " V" shapes, recesses etc., complete as shown on the drawings and as specifications.</u></b>				
3.14	To walls	1047	M2		-
	<b><u>Concrete Reinforcement</u></b>				
	<b><u>Deformed high yield bar reinforcement of characteristics strength FY=420 Mpa, including bending, hooks tying wires distance blocks and spacers, complete as per specifications</u></b>				
3.16	Various diameters	22.06	ton		-
	<b><u>Deformed mild steel bar reinforcement of characteristic strength FY=280 Mpa including bending, hooks, tying wires, distance blocks and spacer, complete as per specifications</u></b>				
3.17	Verious diameter	1.16	ton		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 1/3/1				-
	Page No. 1/3/2				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 04 - MASONRY</u></b>				
	<b><u>04400 NATURAL STONE CLADDING</u></b>				
	<b><u>Ailon 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</u></b>				
4.1	Vertical to columns and walls, fine mechanical bush hammered, 250mm highx 40mm thick	400	M2		-
4.2	Vertical to columns and walls, fine mechanical bush hammered, 250 mm high x 40 mm thick, curved.	55	M2		-
4.3	Coping, 360 mm wide/ and less × 50 mm thick, mechanical bush hammered.	27	M		-
4.4	Coping, 350 x 50 mm thick, mechanical bush hammered, curved.	9	M		-
4.5	Coping, 400x50 mm thick, mechanical bush hammered.	115	M		-
4.6	Coping, 400 × 50 mm thick, mechanical bush hammered, curved.	10	M		-
	<b><u>Surround to face, sides and soffits of stone arches</u></b>				
4.7	Stone arches 300 mm max. course high.	38	M		-
	<b><u>Built-in stone bench comprising 100 mm thick × 500 mm wide Ailon stone seat, 100 mm or 200 mm thick Hollow bolck sides faced with 40 mm thick stone and concrete base and backing.</u></b>				
4.8	Built-in bench, 500 mm wide × 450 mm high as detail D-28 type 2, drawing AD.AD-07.	9	M		-
4.9	Built-in bench, 500 mm wide × 450 high × 1500 mm long, as detail D-28, type 1, drawing AD.AD-07.	4	No		-
	<b><u>Built-in stone sign base type D as detail D-22, drawing AD.AD-05, including 30 mm thick stone cladding and coping, concrete wall, base and sloped slab, reinforcement, single size fill and cement mortar.</u></b>				
4.10	Stone sign base type D, overall size 1450 × 320/ 900 × 1150 mm high.	1	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

## TOURISM SECTOR DEVELOPMENT PROJECT

BILL NO. 1

## AMMAN DOWN TOWN TOURIST ZONE

## LOOKOUTS WORKS

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 05 - METALS</u></b>				
	<b><u>STEEL SCREEN</u></b>				
	<b><u>Decorative steel tube screen including fixing, powder coated finish as Screen drawings and as specification section 05500</u></b>				
5.1	Steel screen, size 2800 x 500 mm high.	3	No		-
5.2	Steel screen, size 425 x 500 mm high.	2	No		-
5.3	Steel screen, size 2900 x 500 mm high.	3	No		-
5.4	Steel screen for parapets, 600 mm high, as shown on facad drawings for Al Hashmi Lookouts.	12	M		-
	<b><u>TREE BED COVER</u></b>				
	<b><u>Cast-iron, medium duty tree bed cover including frame, fixing and concrete ring as required.</u></b>				
5.5	Tree bed cover, 1000 mm diameter, type 1 as detail D-11, drawing AD.AD-03.	4	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 06 - WOOD AND PLASTICS</u></b></p> <p><b><u>06200 FINISH CARPENTRY</u></b></p> <p><b><u>Wood Seats</u></b></p> <p><b><u>Beach wood seat comprising 100 × 80 mm wood rib fixed on and including steel structure frame, oil paint, fixing and concrete base, as specification section 06200</u></b></p>				
6.1	Wood seat, overall size 1550 × 500 wide × 450 mm high type A.	10	NO		-
	<p><b><u>Wood Pergolas</u></b></p> <p><b><u>Mahogany wood pergola, including all decorative wood members, clear finish, steel channels, fixing and accessories as specification section 06200</u></b></p>				
6.2	Al Central Lookout pergola comprising 200 × 100 mm high main beams, 200 × 75 mm secondary beams overall area on plan 70 M2.	1	NO		-
6.3	Ditto but for top under slab pergola, overall area on plan 42 M2.	1	NO		-
6.4	Al Qalaa lookout pergola comprising 200 × 75 mm main beams and 200 × 75 mm secondary beams fixed on and including 200 mm painted steel pipe columns overall area on plan 14 M2.	1	NO		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 07 - THERMAL &amp; MOISTURE PROTECTION</u></b>				
	<b><u>07005 WATERPROOFING AND DAMPPROOFING</u></b>				
	<b><u>Single layer of polyster membrance, 4 mm thick, film finish, in accordance with specification section 07005</u></b>				
7.1	Horizontal to beds under slab on grade and stairs.	200	M2		-
7.2	Horizontal and vertical to concrete planters.	20	M2		-
	<b><u>Two coats of cold applied black bitumen coating solution as waterproofing to concrete and block work in accordance with specification section 07005</u></b>				
7.3	To concrete surfaces in contact with soil below grade	460	M2		-
	<b><u>Sundries in accordance with specification section 07005</u></b>				
7.4	Expanded polystyrene protection board, 20 mm thick applied to horizontal and vertical surfaces in contact with soil	460	M2		-
	<b><u>07500 ROOFING SYSTEM</u></b>				
	<b><u>Single layer of polyester roof waterproofing membrane including angle fillets and accessories all in accordance with specification section 07500</u></b>				
7.5	Flat covering to tiled roofs on screed (measured separately) 4 mm thick, film finsh.	55	M2		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>INTERNAL FINISHES</u></b>				
	<b><u>09220 PORTLAND CEMENT PLASTER</u></b>				
	<b><u>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</u></b>				
	<b><u>External</u></b>				
9.1	Walls and external parapets.	30	M <sup>2</sup>		-
9.2	Soffits of external concrete slabs.	50	M <sup>2</sup>		-
	<b><u>09902 PAINTING</u></b>				
	<b><u>External</u></b>				
	<b><u>Plastic acrylic paint with fine texture to external plaster in accordance with specification section 09902</u></b>				
9.3	External walls.	30	M <sup>2</sup>		-
9.4	External ceilings.	50	M <sup>2</sup>		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 1  
LOOKOUTS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 10 - SPECIALTIES</u></b></p> <p><b><u>SIGNING SYSTEM</u></b></p> <p><b><u>Out door information system, made of stove enamelled aluminium sheet, including silk screened lettering, frame made of extruded aluminium with radius corners and edges,</u></b></p>				
10.1	Floor pole mounted display sign, including fastening by galvanized fittings, type A, as detail D-19, drawing AD.AD-05.	4	No		-
10.2	Wall floor mounted and plazas sign, type D, as detail D-22, drawing AD.AD-05 (concrete and stone base not included).	1	No		-
	<p><b><u>LITTER BIN</u></b></p> <p><b><u>Galvanized steel litter bin, including waste basket, supporting tubes, tube post, cast iron motif and concrete base.</u></b></p>				
10.3	Litter bin, as detail D-25, drawing AD.AD-07.	6	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**AMMAN DOWN TOWN TOURIST ZONE SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 2 PLAZAS AND STREET WORKS**

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS SUMMARY**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	DIVISION 02 SITEWORKS				-
	DIVISION 03 CONCRETE				-
	DIVISION 04 MASONRY				-
	DIVISION 05 METALS				-
	DIVISION 06 WOOD AND PLASTICS				-
	DIVISION 07 THERMAL AND MOISTURE PROTECTION				-
	DIVISION 08 DOORS & WINDOWS				
	DIVISION 09 FINISHES				-
	DIVISION 10 SPECIALTIES				-
	<b>To General Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
<b><u>DIVISION 02 - SITEWORKS</u></b>					
<b><u>02060 DEMOLITION WORKS &amp; SITE CLEARANCE</u></b>					
<b><u>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..., site clearance and preparation the area to receive new construction.</u></b>					
2.1	Site clearance and preparation for new construction including any required demolition of existing walkway paving including curbstone.	20,100	M2		-
2.2	Site clearance and preparation for new construction including any required demolition of existing asphalt paving.	17,890	M2		-
2.2a	Protection of existing utilities and adjacent property (Provisional Sum)	1	LS	30,000.00	30,000.00
2.2b	Pedestrian traffic allowance (Provisional Sum)	1	LS	3,000.00	3,000.00
<b><u>02220 EXCAVATION AND BACKFILLING</u></b>					
<b><u>EXCAVATION</u></b>					
<b><u>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</u></b>					
2.3	Trench excavation to receive foundation	155	M <sup>3</sup>		-
<b><u>BACKFILL</u></b>					
<b><u>A1a class imported fill material in accordance with specification section 02220.</u></b>					
2.4	Fill into excavations	30	M <sup>3</sup>		-
2.5	To make up levels.	36	M <sup>3</sup>		-
<b><u>02230 GRANULAR SUBBASE</u></b>					
<b><u>Base-Course fill materials in accordance with specification sections 02220 and 02230.</u></b>					
2.6	150 mm thick compacted base-course.	14	M <sup>3</sup>		-
2.7	200 mm thick single size aggregate.	5	M <sup>3</sup>		-
2.8	Single size aggregate fill behind rubble stone retaining wall.	20	M <sup>3</sup>		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
<b><u>DIVISION 02 - SITEWORKS</u></b>					
<b><u>02517 STONE PAVERS</u></b>					
<b><u>Ailon local stone tile, mechanical bush hummered finish, on and including 30 mm thick cement mortar beds, sand fill and grouting in accordance with specification section 02517.</u></b>					
2.9	Floors and steps, 250 mm wide × 30 mm thick, type A.	235	M2		-
2.10	Patterned floor, 250 mm wide × 30 mm thick circular, type E.	870	M2		-
2.11	Floors, 250 × 250 × 30 mm thick, type G.	1,100	M2		-
2.12	Band, 150 × 400 × 30 mm, type U.	69	M		-
2.13	Floors, 150 × 150 × 30 mm, type V.	155	M2		-
2.14	Floors, 150 × 150 × 30 mm, type V, curved.	40	M2		-
2.15	Staire treads, 600 mm wide × 50 mm thick, curved.	80	M		-
2.16	Staire rizers, 400 mm high × 30 mm thick, curved.	80	M		-
2.17	Staire treads, 300 mm wide × 50 mm thick, curved.	68	M		-
2.18	Staire rizers, 150 mm high × 30 mm thick, curved.	68	M		-
2.19	Staire treads, 200 mm wide × 50 mm thick, curved.	27	M		-
2.20	Staire rizers, 200 mm high × 30 mm thick, curved.	27	M		-
2.21	Staire treads, 300 mm wide × 50 mm thick.	10	M		-
2.22	Staire rizers, 150 mm high × 30 mm thick.	10	M		-
<b><u>Ailon local stone pavers, set on and including sand bed in accordance with specification section 02517.</u></b>					
2.23	Floors, 150 × 150 × 100 mm thick, honed finish, type B.	74	M2		-
2.24	Floors, 150 × 150 × 100 mm thick, honed finish, type B, curved.	40	M2		-
<b><u>Ailon stone stepping, natural finish, set on compacted soil, free pattern, irregular size of minimum 50 mm thick as shown on drawing.</u></b>					
2.25	Natural stone stepping, type T.	310	M2		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>Patterned floor tile comprising 150 × 150 × 100 mm thick basalt stone pavers, 250 × random length × 100 mm thick, 300 × 300 × 100 mm thick stone pavers and 150 × 150 × 100 mm thick stone pavers including sand bed.</u></b>				
2.26	Patterned floor as detail (1), drawing AD.AS-10.	95	M2		-
2.27	Patterned floor as detail 2, drawing AD.AS-09.	13	M2		-
	<b><u>Red Brick band, surrounding tree beds including cement mortar and pointing.</u></b>				
2.28	Band, 190 × 90 × 60 mm thick brick.	320	M		-
	<b><u>Black basalt stone pavers, set on and including sand bed.</u></b>				
2.29	Floors, 150 × 150 × 100 mm thick, type N.	4,950	M2		-
2.30	Floors, 300 × 230 × 100 mm thick, type O.	1,850	M2		-
	<b><u>Ajlon stone rizers and curbs, sand plast finish, round top edg, including mortar bed, sand fill and grouting in accordance with specification section 02517.</u></b>				
2.31	Stone rizer, type D1, 200 × 150 × 400 mm long.	114	M		-
2.32	Stone curbs, size 250 mm high × 150 wide × 400 mm long, type S.	1,125	M		-
2.33	Stone curbs, size 250 mm high × 150 wide × 400 mm long, curved, type S.	98	M		-
	<b><u>SUNDARIES</u></b>				
	<b><u>Re-leveling of existing manholes cover including concrete rings, heavy duty cast iron cover and frame of tiled type as detail D-23, drq AD.AD-06.</u></b>				
2.34	800 × 800 tiled type manhole cover.	135	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
<b><u>DIVISION 02 - SITEWORKS</u></b>					
<b><u>02518 CONCRETE PAVERS</u></b>					
<b><u>Precast concrete curbs set in mortar bed including foundation and haunchings.</u></b>					
2.35	Concrete curbs, 400 × 300 mm high × 150 mm thick, type R.	2,900	M		-
2.36	Concrete curbs, 400 × 300 mm high × 150 mm thick, type R, curved.	290	M		-
<b><u>Precaste concrete tile on and including mortar bed and sand fill on existing concrete slab or base cours.</u></b>					
2.37	400 × 400 × 40 mm, fairface finish, type P.	8,730	M2		-
2.38	400 × 400 × 40 mm, fairface finish, type P, curved.	380	M2		-
2.39	200 × 200 × 30 mm, fairface finish, type Q.	1,370	M2		-
<b><u>02575 PAVEMENT WORK</u></b>					
<b><u>Asphalt pavement including 50 mm binder course, as specification section 02575.</u></b>					
2.40	Asphalt pavement, 50 mm thick.	17,650	M2		-
<b><u>02910 PLANT PREPARATION</u></b>					
<b><u>Top planting soil including 50 mm thick multi layer as specification section 02910.</u></b>					
2.41	Top planting soil.	500	M3		-
2.42	50 mm thick mulch layer (pebbles).	1,960	M2		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>02950 PLANTING</u></b>				
	<b><u>Shrubs and trees including excavation, surface treatment to base of pit, planting soil, separation membrane, stakes and ties, in accordance with specification sections 02910 and 02950</u></b>				
2.43	Pelargonium Domesticum.	1,215	No		-
2.44	Lavandula Amgustifolia.	177	No		-
2.45	Celtis Australis.	61	No		-
2.46	Tilla Argentia.	5	No		-
2.47	Jacaranda Acutifolia.	4	No		-
2.48	Castanea Sativa.	5	No		-
2.49	Populus Nigra.	5	No		-
2.50	Erythrina Caffra.	2	No		-
2.51	Euonymas Japonica.	157	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 2/2/1				-
	Page No. 2/2/2				-
	Page No. 2/2/3				-
	Page No. 2/2/4				-
	Page No. 2/2/5				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>03300 CONCRETE</u></b>				
	<b><u>Poured concrete in accordance with specification section 03300, 03200 and 03100</u></b>				
	<b><u>Substructure</u></b>				
	<b><u>Plain concrete with sulphate resisting cement.</u></b>				
3.1	Blinding bed, 100 mm thick, class 15 concrete.	150	M <sup>2</sup>		-
3.2	Base of rubble stone retaining wall class 20 concrete.	5	M3		-
3.3	Walls with rubble stone.	35	M3		-
	<b><u>Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with sulphate resisting cement</u></b>				
3.4	Trench foundation	18	M <sup>3</sup>		-
3.5	Walls, in any thickness, in contact with soil.	56	M <sup>3</sup>		-
3.6	Stairs and steps cast on grade.	30	M <sup>3</sup>		-
3.7	Ground beams support between tiles as detail D16, drawing AD.AD-04.	19	M3		-
3.8	Slab on grade.	38	M3		-
	<b><u>SUPER STRUCTURE</u></b>				
	<b><u>Reinforced concrete class 30 (compressive strength of 30 Mpa at 28 days) with Ordinary Portland Cement.</u></b>				
3.9	Walls, in any thickness	20	M <sup>3</sup>		-
3.10	Columns.	0.5	M <sup>3</sup>		-
3.11	Suspended solid slab, 150 mm thick.	1.5	M <sup>3</sup>		-
3.12	Suspended solid slab, 260 mm thick.	6.5	M <sup>3</sup>		-
3.13	Beams.	1	M <sup>3</sup>		-
	<b><u>COMPONENT WORK</u></b>				
	<b><u>Rehabilitation of existing center at Talal Street, including retiling, re-painting equipment, and furniture, as shwon on drawings.</u></b>				
3.14	Existing center rehabilitation, as shown on drg AD.AD-13.	Item	Sum		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>Concrete Formwork</u></b> <b><u>Extra Over for fairface concrete (Grade 1) finish</u></b> <b><u>including positioning of grooves, chamamfer,</u></b> <b><u>" V" shapes, recesses etc., complete as shown</u></b> <b><u>the drawing and as specifications.</u></b>				
3.15	To walls	803	M2		-
	<b><u>Concrete Reinforcement</u></b> <b><u>Deformed high yield bar reinforcement of</u></b> <b><u>characteristics strength FY=420 Mpa,</u></b> <b><u>including bending, hooks tying wires distance</u></b> <b><u>blocks and spacers, complete as per specifications</u></b>				
3.17	Various diameters	17.48	ton		-
	<b><u>Deformed mild steel bar reinforcement of</u></b> <b><u>characteristic strength FY=280 Mpa including</u></b> <b><u>bending, hooks, tying wires, distance blocks</u></b> <b><u>and spacer, complete as per specifications</u></b>				
3.18	Verious diameter	0.92	ton		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 2/3/1				-
	Page No. 2/3/2				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 04 - MASONRY</u></b>				
	<b><u>04200 MASONRY</u></b>				
	<b><u>Hollow concrete blockwork including, forming cavity, reinforcement, wall ties and accessories in accordance with specification section 04200.</u></b>				
4.1	100 mm thick wall.	25	M2		-
4.2	200 mm thick wall.	30	M2		-
	<b><u>04400 NATURAL STONE CLADDING</u></b>				
	<b><u>Ajlon local stone cladding, fixed of 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.</u></b>				
4.3	Vertical to columns and walls, fine mechanical bush hammered, 500 mm high x 40 mm thick.	17	M2		-
	Vertical to columns and walls, fine mechanical bush hammered, 250 mm high x 40 mm thick.	165	M2		-
4.4	Vertical to columns and walls, fine mechanical bush hammered, 250 mm high x 40 mm thick, curved.	65	M2		-
4.5	Coping, 200 mm × 50 mm thick, mechanical bush hammered.	11	M		-
4.6	Coping, 250 mm × 50 mm thick, mechanical bush hammered, curved.	18	M		-
4.7	Coping, 300 mm × 50 mm thick, mechanical bush hammered.	5	M		-
4.8	Coping 400 mm × 50 mm thick, mechanical bush hammered.	9	M		-
4.9	Coping different sizes, 50 mm thick.	5	M		-
4.10	Coping, 350 x 50 mm thick, mechanical bush hammered.	26	M		-
4.11	Surround to face, sides and soffit of stone arch, 450 mm max. course side high.	12	M		-
4.12	To soffits of volted slabs.	3	M2		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 04 - MASONRY</u></b>				
	<b><u>Ajlone stone retaining wall, including 350 mm thick rubble stone, grade 20 plain concrete backing and 75 mm PVC weep holes as drawing AD.AD-02.</u></b>				
4.13	Rubble stone retaining wall.	48	M2		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 04 - MASONRY</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 2/4/1				-
	Page No. 2/4/2				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 05 - METALS</u></b>				
	<b><u>STEEL BALUSTRADE</u></b>				
	<b><u>Decorative steel tube balustrade including fixing, steel pipe handrail, concrete base, fixing plates, solid steel bars etc and powder coated finish as detail D-29, drawing AD.AD-07 and as specification section 05500.</u></b>				
5.1	Steel screen, size 1400 x 500 mm high.	3	M		-
	<b>To Summary</b>			JD	-

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 06 - WOOD AND PLASTICS</u></b></p> <p><b><u>06200 FINISH CARPENTRY</u></b></p> <p><b><u>Tourist information center canopy and counter including wooden beams, columns, ceilings, counter, windows, doors, hardware and steel screens as detailed drawings.</u></b></p>				
6.1	Tourist information center, 3000 mm wide × 18500 mm overall length, at old municipality plaza.	Item	Sum		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 07 - THERMAL &amp; MOISTURE PROTECTION</u></b>				
	<b><u>07005 WATERPROOFING AND DAMPPROOFING</u></b>				
	<b><u>Single layer of polyster membrance, 4 mm thick, film finish, in accordance with specification section 07005.</u></b>				
7.1	Horizontal to beds under slab on grade and stairs.	90	M2		-
7.2	Horizontal and vertical to concrete planters.	8	M2		-
	<b><u>Two coats of cold applied black bitumen coating solution as waterproofing to concrete and block work in accordance with specification section 07005</u></b>				
7.3	To concrete surfaces in contact with soil below grade	220	M2		-
	<b><u>Sundries in accordance with specification section 07005</u></b>				
7.4	Expanded polystyrene protection board, 20 mm thick applied to horizontal and vertical surfaces in contact with soil	220	M2		-
	<b><u>07500 ROOFING SYSTEM</u></b>				
	<b><u>Single layer of polyester roof waterproofing membrane including angle fillets and accessories all in accordance with specification section 07500</u></b>				
7.5	Flat covering to roof on screed (measured separately) 4mm thick, slate finish.	30	M2		-
7.6	Vertical covering to concrete and block work plinth, 4mm thick including slate finish, girth 250 mm	28	M		-
	<b><u>Sundries in accordance with specification section 07500</u></b>				
7.8	Working around roof and balcony drains	2	No		-
	<b><u>Aluminium flashing including fixings, accessories reglet channel, and pointing with polysulphide rubber based compound in accordance with specification section 07300</u></b>				
7.9	Girth 250 mm	28	M		-
<b>To Summary</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>INTERNAL FINISHES</u></b>				
	<b><u>09220 PORTLAND CEMENT PLASTER</u></b>				
	<b><u>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</u></b>				
	<b><u>Internal</u></b>				
9.1	Walls and columns , internally	20	M <sup>2</sup>		-
9.2	Soffits of concrete slabs	6	M <sup>2</sup>		-
	<b><u>External</u></b>				
9.3	Walls, external	25	M <sup>2</sup>		-
9.4	Soffits of external concrete slabs	30	M <sup>2</sup>		-
9.5	Walls of Planter boxes.	5	M <sup>2</sup>		-
	<b><u>09410 TERRAZZO TILING</u></b>				
	<b><u>Terrazzo tiles on and including 20 mm thick mortar bed and grouting in accordance with specification section 09410</u></b>				
9.6	Floor tiles, 250 x 250 x 25 mm.	6	M <sup>2</sup>		-
9.7	Skirting, 15 mm thick x 100 mm high.	9	M		-
	<b><u>09902 PAINTING</u></b>				
	<b><u>Internal</u></b>				
	<b><u>Plastic acrylic paint to internal plaster in accordance with specification section 09902</u></b>				
9.8	Walls, and columns internally.	20	M <sup>2</sup>		-
9.9	Soffits of concrete slabs	6	M <sup>2</sup>		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>External</u></b>				
	<b><u>Plastic acrylic paint with fine texture to external plaster in accordance with specification section 09902</u></b>				
9.10	External walls	25	M <sup>2</sup>		-
9.11	External ceilings	30	M <sup>2</sup>		-
	<b><u>SUNDRIES</u></b>				
	<b><u>Cement screed , slop to drain, steel trowled, smooth finish</u></b>				
9.12	50 mm minimum thick to roofs.	30	M2		-
	<b>VISITOR'S CENTER WORKS</b>				
	<b><u>Floor Finishes</u></b>				
	<b><u>Absolyto black marble tiles, on and including 20 mm thick cement mortar bed, sand fill and grouting in accordance with specification section 09600 and drawing AD.AS-13.</u></b>				
9.13	Floors, 400 × 400 × 30 mm thick.	38	M2		-
9.14	Stair treads, 300 × 30 mm thick.	5	M		-
9.15	Stair risers, 150 × 20 mm thick.	5	M		-
	<b><u>10 × 10 mm decorative mosaic Madaba style art work and frame fixed with adhesive on and including 20 mm thick local marble base, including cement mortar, sand fill and grouting.</u></b>				
9.16	Patterned art work floor, size 2000 × 16000, as detail D14, drawing AD-AD-03.	Sum	Item		-
	<b><u>Ceiling Finishes</u></b>				
	<b><u>Oak wood pergola, including all decorative wood members, fixing, clear finish and all accessories in accordance with specification section 06200.</u></b>				
9.17	Ceiling wood pergola, comprising 300 × 75 mm decorative sides supports, 250 × 150 mm decorative main beams and 100 × 15 mm thick wood panels cover, as shown on drawing AD.AS-15.	40	M2		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>Counter Work</u></b>				
	<b><u>Built-in counter including all civil, finish and wooden works as shown on drawing AD.AS-13.</u></b>				
9.18	Built-in counter, overall size 400/ 500 wide × 960/ 620 high × 2057 mm average long, curved.	Sum	Item		-
	<b><u>Furniture Works</u></b>				
	<b><u>Price includes necessary data and material collection, research and editing of software</u></b>				
	<b><u>Custom made furniture and equipment for visitor center including fixing and all related accessories.</u></b>				
9.19	Personal computer (PC) and printer, Pentium III 500 MHz 512 K complete with 15 inch full digital monitor, 10 G hard disk drive, 50 X CD ROM drive, 64-bit 3D Sound Card, multi media and A4 lazer color printer with full original programs.	Sum	Item		-
9.20	20 litter water color, movable tank.	1	No		-
D	Touch screen monitor.	1	No		-
E	Model of Topographical map of Jordan with wood frame.	1	No		-
F	Hydraulic manager chairs with arms.	2	No		-
G	Wood table with drawers unit.	1	No		-
H	Sofa of double seats.	1	No		-
I	Sofa of three seats.	1	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No 2/9/1				-
	Page No 2/9/2				-
	Page No 2/9/3				-
	<b>To Summary</b>				-

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 2  
PLAZAS AND STREET WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 10 - SPECIALTIES</u></b></p> <p><b><u>SIGNING SYSTEM</u></b></p> <p><b><u>Price includes research and collection of data for the description of signs.</u></b></p> <p><b><u>Out door information system, made of stove enamelled aluminium sheet, including silk screened lettering, frame made of extruded aluminium with radius corners and edges.</u></b></p>				
10.1	Floor pole mounted display sign, including fastening by galvanized fittings, type A, as detail D-19, drawing AD.AD-05.	14	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**AMMAN DOWN TOWN TOURIST ZONE SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**  
**BILL NO. 3 TRAILS WORKS**

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	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				-
	<b>To General Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>02060 DEMOLITION WORKS &amp; SITE CLEARANCE</u></b> <b><u>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..., site clearance and preparation the area to receive new construction.</u></b>				
2.1	Demolition of projected existing stairs and concrete stairs, walls and slabs on grade.	15	M3		-
2.1a	Protection of existing utilities and adjacent property (Provisional Sum)	1	LS	25,000.00	25,000.00
2.1b	Pedestrian traffic allowance (Provisional Sum)	1	LS	3,000.00	3,000.00
	<b><u>02220 EXCAVATION AND BACKFILLING</u></b>				
	<b><u>EXCAVATION</u></b>				
	<b><u>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</u></b>				
2.2	Trench excavation to receive foundation	84	M <sup>3</sup>		-
	<b><u>BACKFILL</u></b>				
	<b><u>A1a class imported fill material in accordance with specification section 02220.</u></b>				
2.3	Fill into excavations	25	M <sup>3</sup>		-
2.4	To make up levels for stairs and streets.	30	M <sup>3</sup>		-
	<b><u>02517 STONE PAVERS</u></b>				
	<b><u>Ailon local stone tile, mechanical bush hummered finish, on and including 30 mm thick cement mortar beds, sand fill and grouting in accordance with specification section 02517.</u></b>				
2.5	Floors, 200 × 200 × 30 mm thick, type H.	50	M2		-
2.6	Floors and steps, 250 mm wide × 30 mm thick, type A.	1400	M2		-
2.7	Band, 400 × 100 wide × 20 mm thick, type M.	90	M		-
2.8	Floor, 250 × 250 × 30 mm thick, type G.	165	M2		-
2.9	Floor, 250 × 250 × 30 mm thick, type E, curved.	10	M2		-
2.10	Floor, 150 × 400 × 30 mm thick, type U.	15	M2		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>Ajlon local stone pavers stepping, set on compacted soil, free pattern, irregular size of minimum 50 mm thick in accordance with specification section 02517.</u></b>				
2.11	Natural stone stepping, type T.	35	M2		-
	<b><u>Black basalt stone pavers, set on and including sand bed.</u></b>				
2.12	Floors, 150 × 150 × 100 mm thick, type N.	70	M2		-
	<b><u>Ajlon stone rizers and curbs, sand plast finish, round top edg, including mortar bed, sand fill and grouting in accordance with specification section 02517.</u></b>				
2.13	Stone rizer, type D1, 200 × 150 × 400 mm long.	1928	M		-
2.14	Stone rizer, type D1, 200 × 150 × 400 mm long, curved.	2	M		-
2.15	Stone rizer, type D2, 250 × 150 × 400 mm long.	660	M		-
2.16	Stone rizer, type D3, 300 × 150 × 400 mm long, curved.	65	M		-
2.17	Stone curbs, size 250 mm high × 150 wide × 400 mm long, type S.	35	M		-
2.18	Stone curbs, size 250 mm high × 150 wide × 400 mm long, type S, curved.	15	M		-
	<b><u>Ajlon local stone pavers, set on and including sand bed.</u></b>				
2.19	Stone pavers, 150 × 150 × 100 mm thick, honed finish, type B.	13	M		-
	<b><u>SUNDARIES</u></b>				
	<b><u>Re-leveling of existing manholes cover including concrete rings, heavy duty cast iron cover and frame of tiled type as detail D-23, drg AD.AD-06.</u></b>				
2.20	800 × 800 tiled type manhole cover.	32	No		-
	<b><u>02910 PLANT PREPARATION</u></b>				
	<b><u>Top planting soil including 50 mm thick mulch layer as specification section 02910.</u></b>				
2.21	Top planting soil.	80	M3		-
2.22	50 mm thick mulch layer (pebbles).	100	M2		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>02950 PLANTING</u></b>				
	<b><u>Shrubs and trees including excavation, surface treatment to base of pit, planting soil, separation membrane, stakes and ties, in accordance with specification sections 02910 and 02950</u></b>				
2.23	Castanea Sativa.	5	No		-
2.24	Tilia Argeentia.	5	No		-
2.25	Cupressus Sempervirons.	7	No		-
2.26	Cupressus Sempervirons (rocket).	8	No		-
2.27	Acacia Mimosa.	9	No		-
2.28	Jaccaranda Acutifolia.	19	No		-
2.29	Vitis Vinifera.	5	No		-
2.30	Bougainvillea Spectabilis.	14	No		-
2.31	Curpobrutus Edulis.	19	No		-
2.32	Bignonia Radicans.	1	No		-
2.33	Pelargonium Domesticum.	180	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 02 - SITEWORKS</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 3/2/1				-
	Page No. 3/2/2				-
	Page No. 3/2/3				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>03300 CONCRETE</u></b>				
	<b><u>Poured concrete in accordance with specification section 03300, 03200 and 03100</u></b>				
	<b><u>Substructure</u></b>				
	<b><u>Plain concrete class 15 (compressive strength of 15 MPa at 28 days) with sulphate resisting cement</u></b>				
3.1	Blinding bed, 100 mm thick	265	M <sup>2</sup>		-
	<b><u>Plain concrete class 20 (compressive strength of 20 MPa at 28 days) with sulphate resisting cement</u></b>				
3.2	Mass concrete for forming stair new level.	13	M <sup>3</sup>		-
	<b><u>Reinforced concrete class 30 (compressive strength 30 MPa at 28 days) with sulphate resisting cement</u></b>				
3.3	Slab on grade, 100 mm thick	2	M3		-
	<b><u>Reinforced concrete class 30 (compressive strength of 30 MPa at 28 days) with sulphate resisting cement</u></b>				
3.4	Trench foundation	85	M <sup>3</sup>		-
3.5	Stairs and steps cast on grade.	8	M <sup>3</sup>		-
3.6	Ground beams supports between tiles as D16, drawing AD.AD-04.	2	M3		-
3.7	Wall, in any thickness.	27	M3		-
	<b><u>SUPER STRUCTURE</u></b>				
	<b><u>Reinforced concrete class 30 (compressive strength of 30 Mpa at 28 days) with Ordinary Portland Cement.</u></b>				
3.8	Walls, in any thickness	35	M <sup>3</sup>		-
3.9	Suspended solid slab, 150 mm thick.	2	M3		-
3.10	Drop beams.	0.5	M3		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>COMPONENT WORK</u></b>				
	<b><u>Sabeel, including all civil, finishing electrical and mechanical works.</u></b>				
3.11	Al Hashmi - 1 Sabeel as drawing, new construction.	Item	Sum		-
3.12	Salamah Bin Al - Akwa Sabeel, maintenance and upgrading of existing sabeel.	Item	Sum		-
	<b><u>Concrete Formwork</u></b>				
	<b><u>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.</u></b>				
3.13	Ordinary form	545	M2		-
	<b><u>Concrete Reinforcement</u></b>				
	<b><u>Deformed high yield bar reinforcement of characteristics strength FY=420 Mpa, including bending, hooks tying wires distance blocks and spacers, complete as per specifications</u></b>				
3.14	Various diameters	11.31	ton		-
	<b><u>Deformed mild steel bar reinforcement of characteristic strength FY=280 Mpa including bending, hooks, tying wires, distance blocks and spacer, complete as per specifications</u></b>				
3.15	Verious diameter	0.6	ton		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 03 - CONCRETE WORK</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 3/3/1				-
	Page No. 3/3/2				-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 04 - MASONRY</u></b>				
	<b><u>04200 MASONRY</u></b>				
	<b><u>Hollow concrete block work including reinforcement, wall ties and accessories in accordance with specification section 04200.</u></b>				
4.1	100 mm thick wall.	61	M2		-
	<b><u>04400 NATURAL STONE CLADDING</u></b>				
	<b><u>Ajlon local stone cladding, fixed of 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.</u></b>				
4.2	Vertical to columns and walls, fine mechanical bush hammered, 250 mm high x 40 mm thick.	185	M2		-
4.3	Coping, 350 mm wide/ and less × 50 mm thick, fine mechanical bush hammered.	160	M		-
4.4	Coping, 350 x 50 mm thick, fine mechanical bush hammered, curved.	5	M		-
4.5	Coping, 400 x 50 mm thick, fine mechanical bush hammered.	60	M		-
4.6	Surround to face, sides and soffit of stone arche, 300 mm max. course side high.	2	M		-
	<b><u>Built-in stone bench comprising 100 mm thick × 500 mm wide Ajlon stone seat, 100 mm thick concrete solid slab, reinforcement, 200 mm thick Hollow bolck sides faced with 40 mm thick stone, and concrete base and backing.</u></b>				
4.7	Built-in bench, 450 mm high, including 40 mm thick seat, back and coping as detail 1-1, drg AD-AT-22, curved.	3	M		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 05 - METALS</u></b>				
	<b><u>TREE BED COVER</u></b>				
	<b><u>Cast-iron, medum deuty tree bed cover including frame, fixing and concrete ring as required.</u></b>				
5.1	Tree bed cover, 1000 mm diameter, type 1, as detail D-11, drawing AD.AD-03.	3	No		-
	<b><u>STEEL HANDRAIL</u></b>				
	<b><u>Decorative steel tube screen and handrail including fixing, powder coatecd finish.</u></b>				
5.2	900 mm total high.	58	M		-
	<b><u>SUNDARY</u></b>				
	<b><u>1.5 mm thick steel sheet cover for pipe opening at Al Hashmi - 3 stair, including fixing and painting.</u></b>				
5.3	Steel cover, 3 m2 overall area on plan.	1	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 06 - WOOD AND PLASTICS</u></b></p> <p><b><u>06200 FINISH CARPENTRY</u></b></p> <p><b><u>Wood Seats</u></b></p> <p><b><u>Beech wood seat comprising 100 × 80 mm wood rib fixed on and including steel structure frame, oil paint, fixing and concrete base, as specification section 06200</u></b></p>				
6.1	Wood seat, overall size 1550 × 500 wide × 450 mm high as detail D-27, drawing AD.AD-07.	4	NO		-
	<p><b><u>Wood Pergola</u></b></p> <p><b><u>Mahogany wood pergola, including all decorative, wood members, clear finish, fixing and accessories as specification section 06200.</u></b></p>				
6.2	Al Hashmi - 3 trail pergola at level comprising 200 × 75 mm high beams on and including 200 mm diameter painted steel pipe columns, as detail D-17, drawing AD.AD-04.	12	M2		-
6.3	Ditto, but for Al Hashmi -9.	15	M2		-
6.4	Ditto, but for Farwah Al Jothami.	10	M2		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
<b><u>DIVISION 07 - THERMAL &amp; MOISTURE PROTECTION</u></b>					
<b><u>07005 WATERPROOFING AND DAMPPROOFING</u></b>					
<b><u>Single layer of polyester membrane, 4 mm thick, film finish, in accordance with specification section 07005</u></b>					
7.1	Horizontal to beds under slab on grade and stairs.	12	M2		-
7.2	Horizontal and vertical to concrete planters.	120	M2		-
<b><u>Two coats of cold applied black bitumen coating solution as waterproofing to concrete and block work in accordance with specification section 07005</u></b>					
7.3	To concrete surfaces in contact with soil below grade	50	M2		-
<b><u>Sundries in accordance with specification section 07005</u></b>					
7.4	Expanded polystyrene protection board, 20 mm thick applied to horizontal and vertical surfaces in contact with soil	50	M2		-
<b><u>07500 ROOFING SYSTEM</u></b>					
<b><u>Single layer of polyester roof waterproofing membrane including angle fillets and accessories all in accordance with specification section 07500</u></b>					
7.5	Flat covering to tiled roofs on screed (measured separately) 4 mm thick, film finish.	15	M2		-
<b><u>Sundries in accordance with specification section 07500</u></b>					
7.6	Working around roof and balcony drains	1	No		-
<b>To Summary</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 08 - DOORS AND WINDOWS</u></b>				
	<b><u>08114 STEEL DOORS AND FRAMES</u></b>				
	<b><u>Decorative painted galvanized steel tube doors and frames including decoration, painting, hardware and sealant in accordance with specification section 08114</u></b>				
8.1	Door, 1450 X 2250, for coffee shop, arch Top.	1	No		-
	<b><u>08520 ALUMINIUM WINDOWS</u></b>				
	<b><u>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</u></b>				
8.2	Window, overall size 800 x 800 mm, arch top.	1	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 09 - FINISHES</u></b>				
	<b><u>INTERNAL FINISHES</u></b>				
	<b><u>09220 PORTLAND CEMENT PLASTER</u></b>				
	<b><u>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.</u></b>				
	<b><u>Internal</u></b>				
9.1	Soffit, of slabs, internally.	12	M2		-
	<b><u>External</u></b>				
9.2	Walls of planter boxes.	110	M2		-
9.3	Wall and parapets.	10	M2		-
	<b><u>09300 CERAMIC TILING</u></b>				
	<b><u>Local ceramic tiles, top quality, fixed with adhesive including background (cement screed and plaster) and grouting in accordance with specification section 09300.</u></b>				
9.4	Floor tiles, 200 × 200 × 7 mm thick for bathrooms and wash basin area.	12	M2		-
9.5	Wall tiles, 200 × 300 × 6 mm thick for bathrooms and wash basin area.	32	M2		-
	<b><u>09902 PAINTING</u></b>				
	<b><u>Internal</u></b>				
	<b><u>Acrylic paint to internal plaster in accordance with specification section 09902.</u></b>				
9.6	Ceilings.	12	M2		-
	<b><u>External</u></b>				
	<b><u>Plastic acrylic paint with fine texture to external plaster in accordance with specification section 09902.</u></b>				
9.7	External walls and parapets.	10	M2		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 3  
TRAILS WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<p><b><u>DIVISION 10 - SPECIALTIES</u></b></p> <p><b><u>SIGNING SYSTEM</u></b></p> <p><b><u>Price includes research and collection of data for the description of signs.</u></b></p> <p><b><u>Out door information system, made of stove enamelled aluminium sheet, including silk screened lettering, frame made of extruded aluminium with radius corners and edges.</u></b></p>				
10.1	Floor pole mounted display sign, including fastening by galvanized fittings, type A, as detail D-19, drawing AD.AD-05.	12	No		-
10.2	Pole mounted display sign, including fastening, type B D-20, AD.AD-05.	4	No		-
10.3	Wall mounted display sign, including fastening, type C, as detail D-21, drawing AD.AD-05.	1	No		-
	<b>To Summary</b>			<b>JD</b>	<b>-</b>

**AMMAN DOWN TOWN TOURIST ZONE SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 4 MECHANICAL WORKS**

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>15060 PLUMBING PIPEWORK</u></b>				
	<b><u>COLD WATER</u></b>				
	<b><u>SALAMA BIN ALAKWA (AMMAN)</u></b>				
	<b><u>Galvanized pipes and fittings, hard drawn, including valves and fittings protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.1	16 mm diameter	30	M		-
	<b><u>Hose Bib</u></b>				
15.2	16 mm diameter	1	No		-
	<b><u>WATER METER WITH CABINET</u></b>				
	<b><u>Water meter with gate, check valves and fitting</u></b>				
15.3	16 mm diameter	1	No		-
	<b><u>WATER TANK</u></b>				
	<b><u>Galvanized steel sheet tank 1.4 mm thickness with supports, valves, float valve, vent and drain.</u></b>				
15.4	1 m3	1	No		-
	<b><u>UPVC pipes and fittings including protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.5	50 mm diameter	5	M		-
15.6	75 mm diameter	3	M		-
	<b><u>SOIL WASTE AND VENT</u></b>				
	<b><u>Floor Drains</u></b>				
15.7	110 mm diameter	1	No		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>15440 PLUMBING FIXTURES</u></b>				
	<b><u>Local made Plumbing fixtures and mixers including traps, wastes and accessories in accordance with specification section 15440.</u></b>				
15.8	Wash hand basin wall hung	1	No		-
	<b><u>MANHOLE</u></b>				
	<b><u>Concrete manhole with cover and frame medium duty type as specified as Jordanian code.</u></b>				
15.9	60 cm depth	1	No		-
	<b><u>HASHMI STAIR WAY NO 1</u></b>				
	<b><u>Galvanized pipes and fittings, hard drawn, including valves and fittings protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.10	16 mm diameter	10	M		-
	<b><u>UPVC pipes and fittings including protective material hangers and supports in accordance with specification section 15060.</u></b>				
	<b><u>RAIN WATER</u></b>				
15.11	75 mm diameter, rain drain.	1	No		-
15.12	75 mm diameter, uPVC pipes.	4	M		-
	<b><u>WATER METER WITH CABINET</u></b>				
	<b><u>Water meter with gate, check valves and fitting</u></b>				
15.13	16 mm diameter	1	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>WATER TANK</u></b>				
	<b><u>Galvanized steel sheet tank 1.4 mm thickness with supports, valves, float valve, vent and drain.</u></b>				
15.14	1 m3	1	No		-
	<b><u>UPVC pipes and fittings including protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.15	50 mm diameter	3	M		-
15.16	75 mm diameter	3	M		-
	<b><u>SOIL WASTE AND VENT</u></b>				
	<b><u>Floor Drains</u></b>				
15.17	110 mm diameter	1	No		-
	<b><u>15440 PLUMBING FIXTURES</u></b>				
	<b><u>Local made stone faucet and mixers including traps, wastes and accessories in accordance with specification section 15440.</u></b>				
15.18	stone fau set	1	No		-
	<b><u>MANHOLES</u></b>				
	<b><u>CONCRETE MANHOLES</u></b>				
	<b><u>Concrete manhole with cover and frame medium duty type as specified as Jordanian code.</u></b>				
15.19	40 cm depth	1	No		-
	<b><u>FARWAH - ALJOTHAMI</u></b>				
	<b><u>Galvanized pipes and fittings, hard drawn, including valves and fitting protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.20	16 mm diameter	15	M		-
<b>To Collection</b>				<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>WATER METER WITH CABINET</u></b>				
	<b><u>Water meter with gate, check valves and fittings.</u></b>				
15.21	16 mm diameter	1	No		-
	<b><u>WATER TANK</u></b>				
	<b><u>Galvanized steel sheet tank 1.4 mm thickness with supports, valves, float valve, vent and drain.</u></b>				
15.22	1 m3	1	No		-
	<b><u>UPVC pipes and fittings including protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.23	50 mm diameter	3	M		-
15.24	75 mm diameter	4	M		-
	<b><u>Rain Water</u></b>				
15.25	110 mm diameter, rain drain.	1	No		-
15.26	110 mm diameter, uPVC pipes.	5	M		-
	<b><u>SOIL WASTE AND VENT</u></b>				
	<b><u>Floor Drains</u></b>				
15.27	110 mm diameter	1	No		-
	<b><u>15440 PLUMBING FIXTURES</u></b>				
	<b><u>Local made stone faucet and mixers including traps, wastes and accessories.</u></b>				
15.28	Stone faucet.	1	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>MANHOLE</u></b>				
	<b><u>CONCRETE MANHOLE</u></b>				
	<b><u>Concrete manhole with cover and frame medium duty type as specified as Jordanian code.</u></b>				
15.29	45 cm depth	1	No		-
	<b><u>HASHMI STAIR WAY NO 9</u></b>				
	<b><u>WATER METER WITH CABINET</u></b>				
	<b><u>Water meter with gate, check valves and fitting</u></b>				
15.30	16 mm diameter	1	No		-
	<b><u>Hose Bib</u></b>				
15.31	16 mm diameter	1	No		-
	<b><u>WATER TANK</u></b>				
	<b><u>Galvanized steel sheet tank 1.4 mm thickness with supports, valves, float valve, vent and drain.</u></b>				
15.32	1 m3	1	No		-
	<b><u>Pix pipes and fittings, hard drawn, including valves and fitting, sleeves protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.33	16 mm diameter	15	M		-
	<b><u>CAPPER COLLECTOR WITH CABINET</u></b>				
	<b><u>Including valves, vent, fittings, protective material hangers and supports in accordance with specification section 15060.</u></b>				
15.34	32 mm diameter.	1	No		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 4  
MECHANICAL WORKS**

Item	Description	Quantity	Unit	Rate	Total
				JD	JD
	<b><u>DIVISION 15 - MECHANICAL</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 4/15/1				-
	Page No. 4/15/2				-
	Page No. 4/15/3				-
	Page No. 4/15/4				-
	Page No. 4/15/5				-
	<b>To General Summary</b>			<b>JD</b>	<b>-</b>

**AMMAN DOWN TOWN TOURIST ZONE SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 5 ELECTRICAL WORKS**

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 5  
ELECTRICAL WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 16 - ELECTRICAL WORKS:</u></b>				
	<b><u>Metering and light control panels and distribution boards including breakers, contactors, photo cells, space for KWHM, fixing to the poles or foundations or recess in walls, all enclosures shall be to IP65 class of protection and as shown on drawings and specified:</u></b>				
16.1	Hashmi Street. - stair 9 LCP/RD.	1	NO		-
16.2	Farwah Al Jothami LCP/FJ.	1	NO		-
16.3	Cafeteria DB CAFÉ.	1	NO		-
16.4	Hashmi stair 3 LCP/C1.	1	NO		-
16.5	Math'her Raslan LCP/MR.	1	NO		-
16.6	Al Hashmi Street. - 1 LCP/HST.	1	NO		-
16.7	Salama Bin Akwa LCP/YUT.	1	NO		-
16.8	Al Qalaa LCP/Q.	1	NO		-
16.9	Talal Street. DBT1.	1	NO		-
16.10	Talal Street. DBT2.	1	NO		-
16.11	Talal Street. DBT3.	1	NO		-
16.12	Talal Street. DBT4.	1	NO		-
16.13	Talal Street. DBT5.	1	NO		-
16.14	Talal Street. DB INF.	1	NO		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 5  
ELECTRICAL WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 16 - ELECTRICAL WORKS:</u></b>				
	<b><u>Lighting fittings and lighting appliances including fixings, wires, cables, ducts, conduits, foundations, accessories, lamps, control gear, compensating PF capacitors and all necessary works related to this section found necessary to complete the work.</u></b>				
16.15	Light fixture type C.	3	NO		-
16.16	Light fixture type C1.	2	NO		-
16.17	Light fixture type CT.	15	NO		-
16.18	Light fixture type PT.	90	NO		-
16.19	Light fixture type P1.	70	NO		-
16.20	Light fixture type PT2.	22	NO		-
16.21	Light fixture type G.	8	NO		-
16.22	Light fixture type P3.	3	NO		-
16.23	Light fixture type (CT-1).	2	NO		-
16.23.1	12Volt 50watt Halogen adjustable spot light	14	NO		-
16.23.2	12 Volt xenon strip light (18x6) lamps per meter	32	MR		-
	<b><u>Electrical cables, feeders, including ducts, conduits, GI conduits, excavations, and cables protection, and all accessories, termination boxes connector blocks fuse protection and all necessary works to give a complete and operable system.</u></b>				
16.24	3 × 6 mm <sup>2</sup> PVC/SWA/PVC/ copper in 38 DIA cond.	180	MR		-
16.25	3 × 10 mm <sup>2</sup> PVC/SWA/PVC/ copper in 50 DIA cond.	210	MR		-
16.26	3 × 16 mm <sup>2</sup> PVC/SWA/PVC/ copper in 50 DIA cond.	120	MR		-
16.27	5 × 16 mm <sup>2</sup> PVC/SWA/PVC/ copper in 50 DIA cond.	70	MR		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 5  
ELECTRICAL WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 16 - ELECTRICAL WORKS:</u></b>				
	<b><u>Feeder for branch circuits of the following sizes:</u></b>				
16.28	3 × 6 mm <sup>2</sup> PVC/SWA/PVC copper in 38 DIA cond.	500	MR		-
16.29	3 × 4 mm <sup>2</sup> PVC/SWA/PVC copper in 38 DIA cond.	1600	MR		-
16.30	5 × 10 mm <sup>2</sup> PVC/SWA/PVC copper in 50 DIA cond.	280	MR		-
16.31	3 × 2.5 mm <sup>2</sup> PVC/ copper in 25 DIA conduit.	95	MR		-
16.32	3 × 4 mm <sup>2</sup> PVC/ copper in 25 DIA conduit.	95	MR		-
	<b><u>Power outlet installation including conduits, wires, cover plates, and all necessary works to complete the installations in an operable and accepted manner.</u></b>				
16.33	13 AMPS switched socket outlet.	15	NO		-
	<b><u>Telephone installation including terminal cabinets of 5 pair capacity and Tel. Cable to JTC cabinet complete with duct, draw in hand hole and all accessories as shown in drawings and specified.</u></b>				
16.34	TC5 pair.	1	NO		-
16.35	Telephone outlet.	1	NO		-
	<b>To Collection</b>			<b>JD</b>	<b>-</b>

**TOURISM SECTOR DEVELOPMENT PROJECT  
AMMAN DOWN TOWN TOURIST ZONE**

**BILL NO. 5  
ELECTRICAL WORKS**

Item	Description	Quantity	Unit	Rate	Amount
				JD	JD
	<b><u>DIVISION 16 - ELECTRICAL WORKS:</u></b>				
	<b><u>COLLECTION</u></b>				
	Page No. 5/16/1				-
	Page No. 5/16/2				-
	Page No. 5/16/3				-
	<b>To General Summary</b>			<b>JD</b>	<b>-</b>