

KARAK TOURISM DEVELOPMENT SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III

BILL NO. 3 UPPER OBSERVATION POINT

TOURISM SECTOR DEVELOPMENT PROJECT
KRAK TOURISM DEVELOPMENT

SUMMARY SHEET

Description of Work	Amount (Carry from Collection)
<u>SUMMARY</u>	
DIVISION-2 Site Works	
DIVISION-3 Concrete	
DIVISION-4 Masonry Works	
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-2	Site Work				
	Excavation and Fill				
2.1	Excavation in any kind of soil, rock etc., starting at natural ground levels including compacting backfill material of selected material and removal of surplus material from site to an approved area. For site leveling.	M3	1400		
2.2	Excavation in any kind of soil, rock etc., starting at reduced level down to bottom of blinding including compacting backfill of selected material around foundations, walls and removal of surplus material from site to an approved area. For foundations, footings, trenches and ground beams				
	a. Building foundation and view theater.	M3	620		
	b. Site structures.	M3	1000		
2.3	Demolition and removal of surplus materials from site to an approved area as instructed by the engineer for existing retaining wall.	M2	50		
2.4	Imported selected compacted backfill for the site according to section 02300.	M3	Nil		
2.5	Imported selected aggregate base course material. 15 cm thick placed under slabs on grade for building.	M2	188		
2.6	Imported selected aggregate base course material CBR \geq 80, 15-20 cm thick placed under Asphalt or stone pavement.	M3	185		
2.7	Imported selected fill material including all necessary compaction. Subgrade layers CBR \geq 20 under Asphalt Paving.	M3	70		
2.8	Bituminous tack coat.	Ton	0.60		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.9	Bituminous concrete wearing course 5 cm compacted thickness for roads & parking areas.	M2	350		
2.10	Imported approved planting soil 40 cm thick including fertilizer.	M3	700		
2.11a.	Precast concrete curb stone 12/15x30x50 cm including cement mortar 3 cm, concrete base (C15) 35x10 cm and pointing.	L.M	120		
b.	Ditto. but for handicapped with rounded edges 15x30x50 cm.	L.M	4		
2.12	Painted pavement lines and markings (TRP). 10 cm wide.	M2	6		
2.13a.	Stone pavers as shown on Detailed Drawings No. Uop.L-001 & Uop.L-003 Ma'an "Sateh" regular stone tiles 20x20x3 cm dressed rough Matabbeh placed on mortar bed 3 cm and sand fill bed 5 cm thick including joints 0.5 cm and pointing.	M2	400		
b.	20x25x3 cm thick for tiling edges.	L.M	40		
2.14	Planting trees as shown on Drawing No. Uop.L-002.				
a.	Phoenix Daetylifera, Date Palm.	No.	5		
b.	Albizzia Julibrissin, Silk Tree.	No.	13		
c.	Cedrus Atlantica, Atlas Lectar.	No.	13		
d.	Laurus Nobilis.	No.	8		
e.	Cupressus Sempervirens, Halian Cypress.	No.	19		
f.	Melia Azedarach, China Berry.	No.	5		
g.	Thuja Plicata, Western Red Cedar.	No.	4		
h.	Juniperus Chinensis, Pfitzer Juniper.	No.	7		
i.	Hedera Helix Parthenocissus Quinquefolia, Inghish Ivv Verginia Creeper.	No.	4		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.15	Extra over "allowance" for planting beds 40x40 cm as shown on Detailed Drawing No. 14/Uop.L-006, price not include materials.	No.	4		
2.16	Black Karak stone patterns and tiling, roughly dressed with spacing 2-3 cm between stones including mortar and pointing.				
a.	20x10x3 cm stone cuts for pavement edges.	L.M	113		
b.	20-25x3 cm stone cuts for steps.	L.M	282		
c.	20x20x3 cm stone cuts.	M2	120		
2.17	White Ma'an Class (B) big rough stone cuts including cement mortar, concrete fill Class (20), recessed pointing and all fixing accessories as shown on Detailed Drawing No. 5/Uop.L-004.	M3	300		
2.18	Black Karak big rough stone cuts including cement mortar and recessed pointing.	M3	Nil		
2.19	Ma'an Sateh stone wall facing 5 cm thick dressed rough (Matabbeh) 25 cm course stone including mortar, pointing, special stone pieces and all fixing accessories.	M2	270		
2.20	Ma'an Sateh stone copings 3 cm thick including mortar and pointing.				
a.	30-35 cm width.	L.M	106		
b.	45 cm width.	L.M	28		
2.21	Black Karak stone steps dressed Matabbeh in one piece including mortar and pointing as shown on Detailed Drawing No. 3/Uop.L-003. 33 cm width x 15 cm height.	L.M	230		
2.22	Cast in place plain concrete (C15) 15 N/mm ² compressive strength with ordinary Portland cement including all necessary formwork.				
a.	10 cm thick under footings.	M3	54		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.23	<p>Cast in place reinforced concrete (C25) 25 N/mm² at 28 days compressive strength with ordinary Portland cement .</p> <p>a. for foundations, footings and ground beams.</p> <p>b. for walls 20-30 cm thick and for stone backing under and over f.f. level.</p> <p>c. for slabs on grade 10 cm thick under stone pavement and cement tiles.</p>	M3	168		
		M3	328		
		M3	76		
2.24	<p>Septic tank system Complete septic tank and percolating tank including the followings:</p> <p>a. Excavation and backfilling.</p> <p>b. Reinforced concrete (C25) with sulphate resistant Portland cement including formwork for walls, slabs, floors and where required.</p> <p>c. Deformed high yield steel bars reinforcement of characteristic strength $f_y = 420 \text{ N/mm}^2$ including hooks, tying wires, distance block and spacers.</p> <p>d. PVC water stop strips 25 cm wide.</p> <p>e. 80x80 cm heavy weight cast iron cover . (1 No.)</p> <p>f. Galvanized steel pipes cat ladder 3/4 inch rust proof primer and painting. (1 No.)</p> <p>Overall size 660x360cm x depth 300-</p>	Item	1		
2.25	<p>Hollow concrete blockwalls behind stone walls.</p> <p>10 cm thick.</p>	M2	55		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.26	Complete interpretation sign 120x90 cm comprised of 18 mm plywood board, 2mm galvanized metal sheets, 1mm brass sheets, 4x6 cm metal tube frame painted of black anti rust paint, and fixed to Black Karak big cut stone base on an angle of 45° as shown on Detailed Drawing No. 15/Uop.L-006. The Contractor should supply the graphic designer for the interpretation sign and obtain the material from the MOTA. Overall size (200x80) cm including big cut stones both sides.	No.	1		
2.27	Handrail and Railing stove painted galvanized steel handrail comprising 50 mm diameter galvanized steel handrail, galvanized steel supports 25 mm diameter each 45 cm centers, galvanized steel plate fixed to handrail pipe including all necessary fixings, fittings, welding and stove painted as shown on Detailed Drawing No. 4/Uop.L-003.	L.M	62		
2.28	Stove painted steel Balustrade comprising steel tubes 2x5 cm, 3x0.5 cm diamond steel bars and all fixing accessories as shown on Detailed Drawing No. 8/Uop.L-004. Overall height 45 cm for boundry walls.	L.M	Nil		
2.29	Pergola comprised of steel frames 10x15 cm painted off black enamel Anti rust paint, metal casing fixed to stone cuts and stone walls, 4.5x10 cm Canadian wood rafters 40 cm centered painted varnish including metal channels between metal and wood, and all fixing accessories as shown on Detailed Drawing No. 9&10/Uop.L-005.	M2	75		
2.30	Coloured Tyrolean plaster 25 mm thick cement and sand plastering in three coats 2 cm thick, and the fourth coat of white cement, sand and quarts 0.5 cm thick for boundary walls.	M2	510		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.31	Black Karka stone steps including light weight concrete, cement mortar and pointing.				
	a. 33x3 cm treads.	L.M	28		
	b. 11.75x2 cm thick risers.	L.M	38		
2.32	Ma'an (Sateh) stone treads dressed rough Matabbeh for outdoor theatre 45 cm width x 60 x 5 cm thick with half rounded edges including mortar and pointing as shown on Detailed Drawing No. (10/Uop.A-015).	L.M	150		
2.33	Ma'an "Sateh" stone tiles dressed rough Matabbeh for outdoor theatre as shown on Detailed Drawing No. 10/Uop.A-015. 45x30x3 cm and 60x25x3 cm.	M2	175		
2.34	UPVC weep holes 4" diameter at 2m spacing horizontally including aggregate filter as shown on Detailed Drawing No. 5/Uop.L-004. 65 cm length approx.	No.	120		
2.35	Cement tiles 40x40x4 cm Class A including cement mortar, sandfill, and pointing as shown on Detailed Drawing No. 13/Uop.L-006.	M2	120		
2.36	Deformed high yield steel bar reinforcement of characteristic strength $FY=420 \text{ N/mm}^2$, including, hooks, tying wires, distance block and spacers	Ton	28		
2.37	Deformed mild steel bar reinforcement of characteristic strength $FY=275 \text{ N/mm}^2$ including bending, hooks, tying wires distance blocks and spacers.	Ton	4		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
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	Page (D2/4)				
	Page (D2/5)				
	Page (D2/6)				
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 3 Concrete

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-3	Concrete Cast in place Concrete for the service building				
3.1	Plain concrete (C 15), 15N/mm ² at 28day compressive strength with ordinary Portland cement				
	a. 5 cm thick under slabs on grade.	M3	11		
	b. 10 cm thick under foundations.	M3	27		
3.2	Plain concrete (C20), 20N/mm ² at 28days compressive strength with ordinary Portland cement for walls 20-30 cm thick. Cast in place	M3	4		
3.3	Reinforced concrete (C25), 25 N/mm ² at 28days compressive strength with ordinary Portland cement .				
	a. Foundations, footings and grade beams.	M3	100		
	b. Columns (generally) under and over F.F.L.	M3	6		
	c. Walls 20-30 cm thick under F.F.L..	M3	81		
	d. Walls 20-30 cm thick over F.F.L and parapets.	M3	250		
	e. Slabs on grade 10cm thick.	M3	20		
	f. Suspended slabs and beams.	M3	53		
3.4	Ditto. as in Item No. (3.3) for stepped slab of view theatre.	M3	54		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 3 Concrete

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
3.5	Deformed high yield steel bar reinforcement of characteristic strength $FY=420 \text{ N/mm}^2$, including, hooks, tying wires, distance block and spacers	Ton	56.04		-
3.6	Deformed mild steel bar reinforcement of characteristic strength $FY=275 \text{ N/mm}^2$ including bending, hooks, tying wires distance blocks and spacers.	Ton	1.73		-
	Concrete Formwork Extra Over for faire face concrete finish including positioning of grooves chamfers, "V" shapes, recesses etc., complete as shown on the drawings and as specifications				
3.7	Ordinary formwork complete as per specification	M	3.131		-
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 3 Concrete

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 4 Masonry

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-4	Masonry				
	Concrete Masonry Unit				
4.1	Hollow concrete block work in cement and sand mortar (1:4) including all cutting, bonding, bond beams and lintels.				
	a. 10cm thick	M2	200		
	b. 10 cm thick behind water proofing retaining walls under ground level.	M2	365		
	c. 15cm thick	M2	Nil		
	d. 20cm thick	M2	Nil		
4.2	Hollow concrete blocks for rib slabs including using blocked ends blocks. Size 40/36x20x24 cm.	No.	1800		
	Natural Stone				
4.3	Ma'an Sateh stone walls Class A dressed Rough Mattabeh 25 cm course stone, 5 cm thick, traditional fixing including cement mortar, backing Class (20), concrete flush pointing, special stone pieces such as but not limited lintels, jambs, sills, arches, grooves, external and internal angles and all necessary fixing. Special stone pieces shall be measured in square meter and dressed matubbeh. Total thickness 30 cm.	M2	130		
4.4a.	Ditto, as in item (4.3) but stone cladding 5 cm thick, mechanical fixing, price not include reinforced concrete backing.	M2	750		
	b. for external columns including concrete backing Class (20). Size 30x50x320 cm.	M2	10		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 4 Masonry

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
4.5	Ma'an Sateh stone copings mechanically dressed "Matabbeh" including cement and sand mortar bed and groove water drip 1x1 cm.				
a.	4-5 cm thick x 35 cm wide.	L.M	73		
b.	30x5 cm thick for theatre parapets.	L.M	117		
4.6	Ma'an Sateh regular stone tiles 25x3 cm thick mechanically dressed Matabbeh including cement and sand mortar bed 3 cm, sandfill bed 5 cm, cuttings and pointing.	M2	Nil		
4.7	"Hebron Yatta" marble thresholds and sills 3 cm thick with half rounded edges including cement, sand mortar and pointing.	M2	7.5		
4.8	Ma'an Sateh stone steps dressed smooth Matabbeh including cement mortar and pointing as shown on detailed Drawing No. 13/Uop.A-016.				
a.	Stone treads 33x3 cm thick.	L.M	12		
b.	Stone risers 14x2 cm thick.	L.M	12		
To Collection					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 4 Masonry

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 6 Wood & Plastic

Upper Observtion Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-6	Wood & Plastic				
6.1	<p>Wooden low cabinets for kitchen and cafeteria counter comprising block board (Latee) 18 mm thick with beech wood frames and lipping 1.5 cm thick, faced with laminated hard PVC. 1 mm thick both sides, laminated block boards shelves 16 mm thick, drawers units, 4.5x7.5 cm pine wood frames, Italian marble topping 3 cm thick with half rounded edges, stainless steel hardware, varnish painting and all fixing accessories as shown on Detailed Drawing No. 9/Lop.A-0/10.</p> <p>Overall size 60x75 cm height</p> <p>Price not include raised floor it shall be measured with floor finishing works.</p>	L.M	6		
6.2	Ditto, but upper cupboards 35x60 cm.	L.M	6		
To Summary					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 7 Thermal and Moisture Protection

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-7	Thermal and Moisture Protection				
7.1	Light weight foam concrete screed of density 450 kg/m ³ laid to slope with minimum thickness 5 cm at roof drains including protective sand cement screed 3 cm thick trowelled smooth and triangular fillet as shown on Detailed Drawing No. 5/Lop.A-009.	M2	28		
7.2	Water proof membrane 4 mm thick with granules, single ply, torch applied on roof including overlaps, prime coat, groove filled with mastic 2x2 cm, haunches around roof drains and pipe penetrations, and guarantee 5 years according to Detailed Drawing No. 5/Lop.A-009.	M2	180		
7.3	Damp-proof layer under slabs on grade comprising two layers 500 micron thick polyethylene sheets including overlapping at joints, taping of joints, turning up 300 mm along the perimeter of walls and columns.	M2	200		
7.4	Damp-proof coating for basement, retaining walls, cold applied rubberized bituminous emulsion providing a dry film thickness of not less than 1mm thick after application.	M2	360		
To Summary					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 8 Doors and Windows

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.																																				
D-8	Doors & Windows																																								
8.1	Complete steel tubes doors with frames, faced on both sides with 1.5 mm steel sheets including stiffeners, insulation of rock wool 40 mm thick and 60 kg/m ³ density, oil painting in 3 coats system, rubber sealing strips, stainless steel hardware and ironmongery as shown on Drawing No. Uop.A-017.	No.	Nil																																						
8.2	Aluminum doors and windows, special sections not less than 70x35 mm for sliding doors and windows, 50x45 mm for hinge doors and windows, 70x45 mm for sashes doors and windows, single glazing 6 mm clear float glass, including hardware, flyscreen, sealant and all fixing accessories as shown on Drawing No. Uop.A-017.																																								
	<table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: left; border: none;"><u>Type</u></th> <th style="text-align: left; border: none;"><u>Size</u></th> <th style="border: none;"></th> <th style="border: none;"></th> </tr> </thead> <tbody> <tr> <td style="border: none;">a. AW1</td> <td style="border: none;">158x182 cm</td> <td style="border: none;">No.</td> <td style="border: none;">2</td> </tr> <tr> <td style="border: none;">b. AW2</td> <td style="border: none;">120x182 cm</td> <td style="border: none;">No.</td> <td style="border: none;">1</td> </tr> <tr> <td style="border: none;">c. AW3</td> <td style="border: none;">300x182 cm</td> <td style="border: none;">No.</td> <td style="border: none;">2</td> </tr> <tr> <td style="border: none;">d. AW4</td> <td style="border: none;">100x130 cm</td> <td style="border: none;">No.</td> <td style="border: none;">2</td> </tr> <tr> <td style="border: none;">e. AW5</td> <td style="border: none;">80x104 cm.</td> <td style="border: none;">No.</td> <td style="border: none;">4</td> </tr> <tr> <td style="border: none;">f. AW6</td> <td style="border: none;">137x182 cm.</td> <td style="border: none;">No.</td> <td style="border: none;">2</td> </tr> <tr> <td style="border: none;">g. AD1</td> <td style="border: none;">100x214 cm</td> <td style="border: none;">No.</td> <td style="border: none;">3</td> </tr> <tr> <td style="border: none;">h. AD2</td> <td style="border: none;">180x214 cm</td> <td style="border: none;">No.</td> <td style="border: none;">1</td> </tr> </tbody> </table>	<u>Type</u>	<u>Size</u>			a. AW1	158x182 cm	No.	2	b. AW2	120x182 cm	No.	1	c. AW3	300x182 cm	No.	2	d. AW4	100x130 cm	No.	2	e. AW5	80x104 cm.	No.	4	f. AW6	137x182 cm.	No.	2	g. AD1	100x214 cm	No.	3	h. AD2	180x214 cm	No.	1				
<u>Type</u>	<u>Size</u>																																								
a. AW1	158x182 cm	No.	2																																						
b. AW2	120x182 cm	No.	1																																						
c. AW3	300x182 cm	No.	2																																						
d. AW4	100x130 cm	No.	2																																						
e. AW5	80x104 cm.	No.	4																																						
f. AW6	137x182 cm.	No.	2																																						
g. AD1	100x214 cm	No.	3																																						
h. AD2	180x214 cm	No.	1																																						
8.3	Wood doors and frames with hard P.V.C. laminated finish flush panel half solid core doors, one or two leaves 44 mm thick with plywood veneer both sides 5 mm thick faced for stained decorative laminated hard P.V.C. sheets 1 mm thick both sides, rebated Canadian pine wood frames and lipping all round, softwood grounds, pine wood stile 4.50x10 cm, including stainless steel hardware and ironmongery, varnish paint, cylindrical Italian locks and all fixing accessories as shown on Drawing No. Lop.A-010.																																								
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 8 Doors and Windows

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>Type</u> <u>Size</u>				
a.	TD1 100x214 cm	No.	4		
b.	TD2 80x214 cm	No.	6		
c.	TD3 100x208 cm	No.	2		
d.	TD4 90x208 cm	No.	3		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 8 Doors and Windows

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-9	Finishes				
9.1	Cement and sand plaster to internally surfaces, walls, ceiling, soffits, jambs, lintels, columns and where required including expanded metal lath 20 cm x 0.5 mm thick, angle beads and stop beads. Total thickness 2 cm.	M2	260		
9.2	Ditto. but external plastering for parapets and where required. Total thickness 2 cm.	M2	20		
9.3	European ceramic wall tiles first choice with special form pieces for corners, angles, coved skirting and radial tile for stop end.				
a.	Size 15x20x0.6 cm thick.	M2	430		
b.	Locally ceramic tiles 15x20x0.60 cm thick.	M2	12		
9.4	European non slip ceramic floor tiles like (Terra Cotta imitation). Size 30x30x0.80 cm thick.	M2	162		
9.5	Calcutta Italian marble wall mounted counters for insert wash basins in toilets 3 cm thick with half rounded edges and back splash 20x3 cm, including making openings for insert wash basins, prepainted steel tube brackets 40x80 mm at proper spaces to receive top and side marble and all fixing accessories, price not include basins as shown on Detailed Drawing No. 8/Uop.A-014. Size 60 cm width x 30 cm height.	L.M	6		
9.6	Emulsion acrylic base paint in one priming coat and three finishing coats including full coverage of surfaces with one coat of putty. To walls and ceilings.	M2	260		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
9.7	Acrylic elastic rough textured paint with high resistance against weather to be applied on external plastered walls, ceiling and parapets in one prime coat and one finishing coat.	M2	20		
9.8	Extra over for making future opening in walls as shown on Drawing No. Uop.A-012 section C-C.				
	a. Size 175x200 cm.	No.	2		
	b. Size 150x200 cm.	No.	5		
9.9	Sand fill under steps of theatre as shown on Detailed Drawing No. 12/Uop.A-015.	M3	5		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 10 Specialties

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-10	Specialties				
10.1	Glazed mirrors 6 mm thick including brass strips, plywood boards 12 mm thick backing, w/water proof caulk with silicon, glue for mirror, galvanized steel angles and all fixing accessories as shown on Detailed Drawing No. 8/Uop.A-014.	M2	6		
To Summary					-

Division 15 Mechanical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.1	S & I Vitreous China type EWC	No.	1		-
15.2	Ditto but concealed type	No.	4		-
15.3	Vitreous China EWC	No.	1		-
15.4	S & I Vitreous China Urinals with Auto flushing tank	No.	3		-
15.5	S & I Vitreous China counter top wash basin	No.	5		-
15.6	S & I Vitreous China pedestal type wash basin	No.	1		-
15.7	S & I Vitreous China wash basin for disabled	No.	1		-
15.8	S & I Stainless steel single bowl kitchen sink	No.	2		-
15.9	S & I Electric hot water heater		2		
	a. EWH1	No.	4		-
	b. EWH2	No.	1		-
15.10	S & I Galvanized steel 2 m ³ capacity water tank with its base	No.	3		-
15.11	S & I Float valve				
	a. Φ 20 mm	No.	3		-
15.12	S & I Bronze Gate Valves (PN16)				
	a. Φ 20 mm	No.	6		-
	b. Φ 25 mm	No.	2		-
15.13	S & I Strainer Φ 20 mm	No.	1		-
To Collection					-

Division 15 Mechanical Works
Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.14	S & I UPVC drainage pipes (class 10)				
	a. Φ 50 mm	MR.	40		-
	b. Φ 82.4 mm	MR.	15		-
	c. Φ 110 mm	MR.	35		-
	d. Φ 160 mm	MR.	50		-
15.15	S & I UPVC Floor drain				
	a. Φ 50 mm with strainer and UPVC cover	No.	1		-
	b. Φ 110 mm with strainer and UPVC cover	No.	2		-
15.16	S & I				
	a. Φ 50 mm wall type clean out complete with st. st. cover	No.	1		-
	b. Φ 110 mm wall type clean out complete with st. st. cover	No.	1		-
15.17	S & I HDPE pipes				
	a. Φ 63 mm	MR.	34		-
	b. Φ 50 mm	MR.	10		-
	c. Φ 40 mm	MR.	10		-
	d. Φ 32 mm	MR.	24		-
15.18	S & I Sewage manholes				
	a. Depth less than or equal 1.0 m with medium duty cover	No.	5		-
	b. Depth greater than 1.0 m with heavy duty cover	No.	1		-
15.19	S & I Galvanized steel potable water pipes class B				
	a. Φ 20 mm	MR.	15		-
15.20	S & I XLPE potable water pipes				
	a. Φ 16 mm	MR.	120		-
15.21	S & I Chrome plated irrigation tap (Hose BiB)				
	a. Φ 15 mm	No.	3		-
To Collection					-

Division 15 Mechanical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.22	S & I Water distribution box (WDB)				
	a. WDB1	No.	1		-
	b. WDB2	No.	1		-
	c. WDB3	No.	1		-
	d. WDB4	No.	1		-
15.23	S & I 6 kg fire extinguishers				
	a. BCF	No.	2		-
	b. CO ₂	No.	2		-
15.24	S & I Extract fan as per schedule				
	a. CEXF.1	No.	1		-
	b. CEXF.2	No.	1		-
	c. CEXF.3	No.	2		-
	d. EXF.4	No.	1		-
	e. EXF.5	No.	1		-
	g. EXF.6	No.	1		-
15.25	S & I Air admittance valve				
	a. Φ 110 mm	No.	3		-
	b. Φ 50 mm	No.	2		-
15.26	S & I Galvanized steel exhaust duct work (0.6 mm thick)	m ²	15		-
To Collection					-

Division 15 Mechanical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-16	Electrical Works				
16.1	S&I Main distribution board (MDB).	No.	1		-
16.2	S&I Main feeding cable to MDB: 4x70+1x35mm ² CU/PVC/SWA/PVC cable.	L.M	50		-
16.3	S&I The following panels:				
	a. D1.	No.	1		-
	b. D2.	No.	1		-
	c. D3.	No.	1		-
	d. DBG.	No.	1		-
	e. DBA.	No.	1		-
	f. DBK.	No.	1		-
	g. CP.	No.	1		-
	h. SPEL	No.	1		-
16.4	S&I Earthing system for MDB.	L.S.	L.S.		
16.5	S&I Internal lighting point.	No.	46		-
16.6	S&I External lighting point.	No.	148		-
16.7	S&I The following feeding cables to high masts: 5x4 CU/PVC/SWA/PVC.	L.M	60		-
16.8	S&I				
	a. M1 (12m high mast) including all flood lights.	No.	1		-
	b. M2 (8m high mast) including all flood lights.	No.	2		-
16.9	S&I The following lighting fittings:				
	a. S1.	No.	7		-
	b. S2.	No.	14		-
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
c.	S3.	No.	17		-
d.	F4.	No.	80		-
e.	H1.	No.	30		-
f.	F2.	No.	3		-
g.	I2.	No.	14		-
h.	F3.	No.	1		-
i.	I1.	No.	14		-
j.	F1.	No.	10		-
k.	E1.	No.	4		-
16.10	S&I The following power points:				
a.	13A single phase socket outlet with switch (3 pin).	No.	26		-
b.	Hand dryer.	No.	2		-
c.	Water heater.	No.	5		-
d.	Exhaust fan.	No.	1		-
16.11	S&I				
a.	Telephone outlet.	No.	6		-
b.	10 pair telephone connection box.	No.	1		-
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Upper Observation Point

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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KARAK TOURISM DEVELOPMENT SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME III

BILL NO. 4 VISITOR CENTRE

TOURISM SECTOR DEVELOPMENT PROJECT
 KARAK TOURISM DEVELOPMENT

VISITOR CENTRE
 BILL NO.4

Description of Work	Amount (Carry from Collection)
<u>SUMMARY</u>	
DIVISION-2 Site Works	
DIVISION-4 Masonry Works	
DIVISION-5 Metals	
DIVISION-6 Wood and Plastic	
DIVISION-8 Doors and Windows	
DIVISION-9 Finishes	
DIVISION-11 Equipment	
DIVISION-12 Furnishing	
DIVISION-15 Mechanical	
DIVISION-16 Electrical	
To Grand Summary	

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-2	Site Work				
	Demolition and Removal				
2.1	Demolish and remove carefully existing counter eight metre length approx. and handover to the owner.	Item	1		
2.2	Demolish and remove existing block walls including making good to walls and ceilings to receive new finishings and cart-away debris material outside the site to an approved area.	M2	80		
2.3	Dismantle, maintain and reinstall wooden doors with frames and architraves including painting in 3 coats system. Size 100x280 cm. Size 80x200 cm.	No. No.	2 4		
2.4	Dismantle and handover to the owner wooden doors.	No.	3		
2.5	Dismantle and handover to the owner kitchen sink and fittings.	No.	1		
2.6	Dismantle and remove all existing electrical installations and handover to the owner.	Item	1		
2.7	Remove existing floor tiles and skirting complete with bedding material and make good floor to receive new finishings.	M2	175		
2.8	Maintain existing windows such as but not limited hardware, ironmongery, sealant, painting and all requirements according to engineer's instructions.	M2	27		
2.9	Maintain existing wooden and metal doors including hardware, ironmongery, painting and all requirements according to engineer's instructions.	No.	10		
2.10	Maintain existing ceramic floor tiles at toilets and reinstall same as the existing quality ceramic floor tiles	L.S.	1		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
2.11	Maintain existing skylight including painting, sealant and all requirements according to engineer's instructions. Size 178x120 cm.	Item	1		
2.12	Dismantle, maintain and reinstall terrace handrail 75 cm height including painting in 2 coats and all fixing accessories according to engineer's instructions and Detailed Drawings No. 8/VCA-008.	L.M	30		
2.13	Dismantle and reinstall wash basin at toilets according to the new location	No.	1		
2.14	Demolish and remove existing block walls at toilets including making good to walls and ceiling, price includes install timber doors frames at the new location	L.S.	1		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 2 Site Work

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 4 Masonry

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-4	Masonry				
4.1	Hollow concrete block walls 15cm thick grade (3.5) for partitions including mortar and R.C. lintels. 20 cm height.				
	a. 15cm thick	M2	28		
	b. 10cm thick	M2	12		
4.2	Ma'an "Sateh" stone floor tiles dressed Matubbeh of the fine texture.				
	Size 40x40x3 cm and 40x20x3 cm.	M2	35		
4.3	Karak Basalt stone belt dressed Matubbeh of the fine textured.				
	a. 40x10x3 cm.	L.M	30		
	b. 40x20x3 cm.	L.M	27		
4.4	Ma'an stone skirting with half rounded edges. 10 cm height x 2 cm thick.	L.M	23		
4.5	Local marble skirting (Hebron, Yatta) 10x1.5 cm with half rounded edges.	L.M	43		
4.6	Local marble thresholds "Hebron, Yatta" as shown on Detail No. 2/VC.A-007. 3 cm thick with half rounded edges.	M2	12		
4.7	Ma'an Sateh stone cladding 3 cm thick mechanically dressed Matabbeh, mechanically fixing to existing concrete columns 33 cm coarse stone, 18 cm height for topping coarse stone as shown on Detailed Drawing No. 8/VC.A-008, including concrete backing, mortar, recessed pointing and skirting 10 cm.	M2	13		
4.8	Maintain and repointing existing stone walls and ceiling using special mortar according to engineer and DOA instructions.	M2	300		
To Summary					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 5 Metal Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-5	Metal Works				
5.1	Metal ladder fixed to external elevation as shown on Detailed Drawing No. (VC.A-010) including welding, hinges, anchors, plates, ring protection, epoxy paint and all necessary fittings and fixing. Total height 510 cm.	No.	1		
To Summary					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 6 Wood Work

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-6	Wood Work				
6.1	Wood cladding decoration comprised of 18 mm oak veneered block boards light brown colour fixed on pine wood frames 2.5x5 cm and 2.5x10 cm bolted to walls, 3x5 cm oak wood moulding painted dark brown colour, 1x1 cm recessed beech wood lipping painted dark brown colour, including painting, varnish painting and all fixing accessories as shown on Detailed Drawing No. 3/VC.A-007. Total height 73 cm.	M2	27		
6.2	Reception counter comprised of concrete wall Class (20) 20 cm thick, Ma'an Sateh stone wet cladding 5 cm thick dressed Matabeh including grooves 2x2 cm, mortar 3 cm, and pointing, internal plastering and acrylic emulsion painting to concrete wall, 18-22 mm oak veneered block boards lacquer paint (chest nut) with oak wood lipping 2x4 cm and 2x5 cm for toping and sides of lower counter, 2.5x5 cm pine wood frames for sides of lower counter including all fixing accessories as shown on Detailed Drawings No. 7/VC.A-008. Size 40 cm x 100 cm height over f.f.l. front elevation and 50x62 cm height for backing elevation.	L.M	3.25		
To Summary					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 8 Doors and Windows

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-8	Doors & Windows				
8.1	<p>Complete steel tubes doors with frames, faced on both sides with 1.5 mm steel sheets including stiffeners, insulation of rock wool 40 mm thick and 60 kg/m³ density, oil painting in 3 coats system, rubber sealing strips, stainless steel hardware and ironmongery as shown on Drawing No. VC.A-010.</p> <p>SD2 104x259 cm.</p>	No.	2		
8.2	<p>Wood doors and frames flush panel half solid core doors, one or two leaves 44 mm thick with plywood veneer both sides 5 mm thick faced for stained decorative laminated hard P.V.C. sheets 1 mm thick both sides, rebated Canadian pine wood frames and lipping all round, softwood grounds, pipe wood stile 4.50x10 cm, including stainless steel hardware and ironmongery, varnish paint, cylindrical Italian locks and all fixing accessories as shown on Drawing No. VC.A-010.</p> <p><u>Type</u> <u>Size</u> TD2 72x220 cm.</p>	No.	1		
To Summary					

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-9	Finishes				
9.1	Cement and sand plaster to internally surfaces, walls, ceiling, soffits, jambs, lintels, columns and where required including expanded metal lath 20 cm x 0.5 mm thick, angle beads and stop beads. Total thickness 2 cm.	M2	440		
9.2	European non slip ceramic floor tiles like terracotta - size 30x30x1 cm.	M2	7		
9.3	European ceramic wall tiles first choice with special form pieces for corners, angles, coved skirting and radial tile for stop end. Size 15x20x0.6 cm thick.	M2	72		
9.4	Terrazzo floor tiles 30x30x3 cm.	M2	73		
9.5	Floor carpeting comprised of primary backing polypropylene/jute, backing of plain foam and anti static latex. Construction: double woven heavy duty. Pile yarn composition: 50% wool, 50% polyamide (nylon) Pile weight: 900 g/m ² Total weight including backing: 2400 g/m ² Total height: 9.5 mm Surface: aspect cut plain with pattern, fire resistance including preparation, underlayment cushion 10 mm thick, adhesive, tackless stripping, carpet gripper, protection and all accessories according to approved sample.	M2	78		
9.6	Emulsion acrylic base paint in one priming coat and three finishing coats including full coverage of surfaces with two coats of putty. To walls and ceilings.	M2	440		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
9.7	Gypsum board suspended ceiling perimeter 12.5 mm thick fire and moisture resistance including suspension system, grooves, edge trims, air diffusers and joints treatment.	M2	25		
9.8	Acoustical mineral fiber tiles suspended false ceiling 60x60x1.6 cm Bevel edges kerfed and back cut, natural fissured and fire resistance including suspension system from the same manufacturer Celotex, OWA or equivalent.	M2	53		
9.9	Powder coated aluminum strips 10 cm wide suspended ceiling including suspension system. For toilets and kitchen.	M2	19		
9.10a.	Oak wood cornice 2x11 cm between different suspended ceilings including lacquer paint chest nut colour as shown on Detailed Drawing No. 6/VC.A-008.	L.M	35		
b.	Ditto. but 2.5x10 cm.	L.M	36		
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 9 Finishes

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 11 Equipment

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-11	Equipment				
11.1	Personal computer Pentium III, 450 MHz - 128 RAM memory, CD-ROM 40X, Floppy drive 3.5", 8.4 GB hard drive, fax modem, monitor 15", laser printer and licensed software.	Item	1		
11.2	Outdoor mail box.	No.	1		
To Summary					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 12 Furnishings

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-12	Furnishings				
12.01	Multi purpose chairs manufactured by (FIGURAS) Spain, movable type Model VENUS 8130-T4 or equivalent. Size 58x57x76 cm.	No.	63		
12.02	Ready made local manufacturer offices furniture JWICO, Forum or equivalent comprised of block boards (Latee) 18 mm with beech wood lippings 1.5 cm thick and faced with hard PVC sheets 1 mm thick, stove painted steel frames, including drawers unit, shelves, vision panels, hardware and varnish paint, according to manufacturer specifications				
	a. Personnel desk 180x80x72 cm.	No.	1		
	b. Side unit 120x47x66 cm.	No.	1		
	c. Personnel desk 160x72x72 cm.	No.	2		
	d. Armed manager chair.	No.	1		
	e. Armed chairs.	No.	2		
	f. Wall unit with glazed two leaves, wood leaves and shelves. Size 169x80x42 cm.	No.	2		
To Summary					-

Division 15 Mechanical Works

Visitor Center

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.1	D & R Existing AWC	No.	2		-
15.2	D & R Existing kitchen sink	No.	1		-
15.3	S & I Virteous China EWC	No.	2		-
15.4	S & I Single bowl kitchen sink	No.	1		-
15.5	S & I All GSP for potable water from the existing service including replacement of any damaged pipes from the existing installation	L.S	1		-
15.6	S & I All drainage UPVC pipe work connection to the main drainage stack including floor drain & its cover and replacement of any damaged pipes from the existing installation	L.S	1		-
15.7	S & I 6 kg fire extinguishers a. BCF b. CO ₂	No.	1		-
		No.	1		-
15.8	S & I Anodized ceiling square diffusers a. SCD-1	No.	8		-
15.9	S & I Fresh air louver with sand trap, filter and insect screen a. size 910 x 300 mm	No.	2		-
15.10	S & I Anodized ceiling return grille a. RCG1	No.	4		-
15.11	S & I Galvanized steel duct work	m ²	30		-
To Collection					-

Division 15 Mechanical Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
15.12	S & I Thermal insulation for duct work	m ²	30		-
15.13	S & I Wall mounted extract fans with automatic shutter				
	a. EXF.1	No.	1		-
	b. EXF.2	No.	2		-
15.14	S & I Ducted type split unit-heat pump				
	a. HP1	No.	2		-
15.15	S & I Decorative wall mounted split unit-heat pump				
	a. HP2	No.	2		-
	b. HP3	No.	1		-
	c. HP4	No.	1		-
15.16	S & I Condensate drain UPVC pipe work, with connection to nearest floor drian				
	a. ϕ 25 mm	MR.	30		-
	b. ϕ 50 mm	MR.	20		-
To Collection					-

Division 15 Mechanical Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
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THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-16	Electrical Works				
16.1	S&I Main distribution board (SMDB).	No.	1		-
16.2	S&I Main feeding cable to SMDB: 4x35+1x16mm ² CU/PVC/SWA/PVC cable.	L.M	30		-
16.3	S&I The following panel:				
	a. DBA.	No.	1		-
16.4	S&I Earthing system for SMDB.	L.S.	L.S.		
16.5	S&I Lighting point.	No.	58		-
16.6	S&I The following lighting fittings:				
	a. F1.	No.	21		-
	b. F2.	No.	1		-
	c. F3.	No.	15		-
	d. I1.	No.	6		-
	e. I2.	No.	15		-
16.7	S&I The following power points:				
	a. 13A single phase socket outlet with switch (3 pin).	No.	23		-
	b. Hand dryer.	No.	1		-
	c. Exhaust fan.	No.	3		-
	d. Set of HP01 and HPI1.	Set	4		-
	e. Set of HP02 and HPI2.	Set	2		-
	f. Set of HP03 and HPI3.	Set	1		-
	g. Set of HP04 and HPI4	Set	1		-
	h. Water heater.	No.	1		-
16.8	S&I				
	a. Telephone socket outlet.	No.	2		-
	b. 20 pair telephone connection box.	No.	1		-
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
16.9	S&I a. Fire alarm point.	No.	10		-
16.10	S&I The following conventional fire alarm equipment.				
	a. Fire alarm control panel (2 zones).	No.	1		-
	b. Smoke detector ionization type.	No.	5		-
	c. Heat detector.	No.	1		-
	d. Break glass.	No.	2		-
	e. 6" alarm bell.	No.	2		-
16.11	S&I				
	a. 50W loudspeaker with stand.	No.	2		-
	b. Mixes.	No.	1		-
	c. DVD player.	No.	1		-
	d. Music cabinet rack with glass door and fan.	No.	1		-
	e. LCD projector with mobile table.	No.	1		-
	f. Wiring for the above equipment.	L.S.	1		-
	g. Mic.	No.	1		-
To Collection					-

THE TOURISM SECTOR DEVELOPMENT PROJECT

Division 16 Electrical Works

Visitor Centre

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
	<u>COLLECTION</u>				
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