

## **CONSTRUCTION COST**

## **GENERAL SUMMARY**

**DEAD SEA PANORAMIC COMPLEX  
GENERAL SUMMARY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	<b>GENERAL SUMMARY</b>				
	Preliminaries				
	Bill 1 - Main Building				
	Bill 2 - Exhibition				
	Bill 3 - External Works				
	Bill 4 - Mechanical Works				
	Bill 5 - Electrical Works				
	Profit				
	<b>Total (Carry to Form of Tender)</b>			<b>JD</b>	

**DEAD SEA PANORAMIC SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 1 BUILDING WORKS**

**BILL NO. 1  
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	<b>SUMMARY</b>				
2	Sitework				
3	Concrete				
4	Masonry				
5	Metals				
6	Wood and Plastic				
7	Thermal & Moisture Protection				
8	Doors and Windows				
9	Finishes				
10	Specialties				
12	Furniture				
13	Special Construction				
	<b>To General Summary</b>			<b>JD</b>	







**BILL NO. 1**  
**DIVISION 3 - CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE</b>				
	<b>03050 - Basic Concrete Materials &amp; Methods</b>				
	<b><u>Concrete Formwork</u></b>				
	<b>Extra Over for fairface concrete (Grade 1) finish including positioning of grooves, chamfers, "V" shapes, recesses ...etc., complete as shown on the drawings and as specifications</b>				
3.1	To Concrete Surfaces, generally	700	m2		-
3.1a	Ordinary form	12829	m2		-
	<b><u>Concrete Reinforcement</u></b>				
	<b>Deformed high yield steel bar reinforcement of characteristic strength FY=420 N/mm2, including bending, hooks, tying wires, distance blocks and spacers. complete as per specifications</b>				
3.2	Various diameters	243.43	ton		-
	<b>Deformed mild steel bar reinforcement of characteristic strength FY=275 N/mm2 including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications</b>				
3.3	Various diameters	27.05	ton		-
	<b><u>Cast-In-Place Concrete</u></b>				
	<b><u>Concrete Curing</u></b>				
	<b>Plain concrete (C 15), 15 N/mm2 at 28 day compressive strength with ordinary Portland cement complete as per</b>				
3.4	100 mm thick blinding	432	m3		-
		<b>To Collection</b>		<b>JD</b>	-







**BILL NO. 1**  
**DIVISION 4 - MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY</b>				
	<b><u>04810 - Unit Mosonary Assemblies</u></b> <b>Hollow concrete blockwork in cement and sand mortar (1:4) including all cutting, bonding, control and expansion joint, lintels, and bond beams complete as shown on drawings and as per specifications</b>				
4.1	100 mm thick walls, internally	192	m2		
4.2	Ditto, protection walls	664	m2		
4.3	200mm thick walls, internally	604	m2		
4.4	Hollow concrete block, size 400/360 x 200 x 240mm high	6559	No.		
	<b><u>04853 - Stone Assemblies</u></b> <b>First quality "Ajloune or travertine" stone wall cladding including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, stainless steel, anchorage system, anchors, shelf angles, restraint, bolts, etc., cutting, pointing, fixings, fittings, and accessories, complete as shown on drawings and as per specifications.</b>				
4.5	To Walls, 60-80mm thick, yellow travertine stone spilt face, mufajjar, 500mm course height, externally	1590	m2		
4.6	Ditto, 50mm thick, yellow travertine, split face, (chiseled) musamsam, 245mm course height, externally with constant length	666	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY (CONT'D)</b>				
	<b><u>04853 - Stone Assemblies (Contd.)</u></b>				
	<b>First quality "Ajloun or travertine" stone wall cladding including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, stainless steel anchorage system, anchors, shelf angles, restraint, bolts, etc., cutting, pointing, fixings, fittings and accessories, complete as shown on drawings and as per specifications.</b>				
4.7	To Walls 50mm thick Ajloun, off white stone split face honed, 245mm course	82	m2		
4.8	Ditto, 50mm, brown travertine stone, split face "Mufajar", 300mm course height,	48	m2		
4.9	To soffits, 50mm thick, yellow travertine	26	m2		
4.10	50mm thick to soffits of arches, yellow travertine stone	160	m2		
4.11	To walls, 60-80mm thick, travertine, 500mm course height, internally	287	m2		
4.12	Ditto, 50mm thick, travertine, 250mm course height, internally	370	m2		
	<b>First quality "Ajloun" stone wall cladding, including concrete backing, 600 x 600 mm inspection opening, special stones, heads, jambs, sills, arches, fins, external and internal angles steel fixings, bolts, cuttings, pointing, fixings, fittings and accessories complete as shown on drawings and as per specifications</b>				
4.13	To walls, Ajloun acid itched, size 200 x 200 x 12 mm thick, for bathroom internal	375	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY (CONT'D)</b>				
	<b><u>04853 - Stone Assemblies (Contd.)</u></b>				
	<b>First quality "Ajoun or Travertine" stone coping, base, cornice, skirting and sills, including all necessary mortar bed, cutting, pointing and fixings, complete as shown on drawings A451 - A458 and as per specifications.</b>				
4.14	Base stone, brown travertine , size 300mm coarse high, 50mm thick	221	m		
4.15	Stone coping, yellow travertine, L shape, size 390 x 245 x 50mm thick	304	m		
4.16	Ditto, size 390 x 245 x 50mm thick	304	m		
4.17	Ditto, U shape, 700mm long x 50mm thick, to corridor	140	m		
4.18	Ditto, L shape, size 300 x 300 x 50mm thick, corridor	192	m		
4.19	Stone course, to form recess for embedded lighting fixture, size 245 x 50mm thick	50	m		
	<b>First quality "Ajoun or travertine" stone columns, including all necessary crown , base, concrete filling, cement sand mortar bed, cutting, pointing and fixings. complete as shown on drawings</b>				
4.20	Circular columns, dressed matabah , size 550mm diameter x 3340m x 50mm thick	2	No.		
4.21	Ditto, size 400mm diameter, 3350mm x 50mm thick	4	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY (CONT'D)</b>				
	<b><u>04853 - Stone Assemblies (Contd.)</u></b>				
	<b>First quality "Ajoun or travertine type" stone columns, including all necessary crown , base, concrete filling, cement sand mortar, cutting, pointing and fixings, complete as shown on drawing DSPC-A 455, 457 and 458 and as per specification</b>				
4.22	Composite stone circular column consisting of yellow travertine honed stone crown and base yellow travertine matabah circular columns, size 700 mm diameter x	8	No.		
4.23	Stone column, yellow travertine, size 500 x 500mm x 3500 high	12	No.		
4.24	Ditto, yellow travertine , matabah finish size 400mm diameter x 2500mm high x	40	No.		
4.25	Ditto, size 700mm diameter x 6910mm high x 50mm thick	8	No.		
4.26	Drainage channel, Ajloune dark stone (sand plastered acid wash), U shape, size 600 x 600 x 300mm high	10	No.		
4.27	Seat, travertine stone, U shape, size 600 x 450mm high	24	m		
4.28	Ajlone saharawi desert skirting, 100mm	118	m		
4.29	Hebron marble skirting, 100mm high	321	m		
4.30	Sills, yellow travertine matabah finish , L shape, size 645mm long x 50mm thick	10	m2		
4.31	Ditto, size 970mm x 50mm thick	10	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY (CONT'D)</b>				
	<b><u>Natural Marble</u></b> Finish quality "Hebron type" marble floor tiles, on and including cement and sand mortar bed, sand fill material, cutting, grouting, fittings, fixings, pointing, polishing and cleaning, complete as shown on drawings and as per specifications.				
4.32	Treads, 30mm thick	5	m2		
4.33	Risers, 20mm thick	4	m2		
4.34	Landings	2	m2		
	<b>First quality "imported type" white colour marble vanity units, consisting of 30mm thick marble counter tops, 100mm high x 30mm thick marble back splash, 300mm high x 30mm thick marble fascia, all necessary fixings, framing system, fittings, accessories and decoration, complete as shown on drawings and as per specifications</b>				
4.35	Vanity unit, size 600mm wide x 1880mm long with cutouts for two basins.	1	No.		
4.36	Ditto, size 600mm wide x 2200m long with cutouts for two basins	1	No.		
4.37	Ditto, size 600mm wide x 2430mm long with cutouts for three basins	1	No.		
4.38	Ditto, size 600mm wide x 3200mm long with cutout for three basins.	2	No.		
		<b>To Collection</b>		<b>JD</b>	



**BILL NO. 1**  
**DIVISION 5 - METALS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>METALS</b> <b>05120 - Structural Steel</b> <b>MISCELLANEOUS METAL FABRICATIONS</b> <b>Steel ladder comprising 12 x 60 mm flat steel stringer plate, 50 mm diameter rungs through hole, 3 mm steel checkered plate, flat plate, support bracket, including all welding, bolts, Steel angles, fixings, fittings, accessories, and epoxy painting, complete as shown on drawings and as per specifications</b>				
5.1	Steel ladder, 600mm wide, various high	20	m		-
	<b>Galvanized steel rain water gratings including frames, fixings, fittings, accessories and decoration, complete as shown on drawings and as per</b>				
5.2	Rain water grating, 300mm wide	55	m		-
	<b>Suspended steel ceiling truss, comprising galvanized pipe 1" diameter, supporting system, including all necessary fixings, fittings, accessories, and decoration, complete as shown on drawing A-501 and as per specifications.</b>				
5.3	Exhibition ceiling, oversize 3100 x 3100 x 500mm high	1	No.		-
	<b>Galvanized metal flashing, including all necessary fixings, fittings, mastic sealant, and decoration, complete as shown on drawing A-D04 and as per specifications</b>				
5.4	To Roof Parapet, approximate long	720	m		-
		<b>To Summary</b>		<b>JD</b>	-

**BILL NO. 1**  
**DIVISION 6 - WOOD AND PLASTIC**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>WOOD AND PLASTIC</b>				
	<b><u>6200 - Wood and Plasties</u></b>				
	Wood counter comprising marble counter top, moulding, plywood backing hardwood skirting, lockable drawers, shelves, hardware, fixings, fittings, accessories and decoration complete as shown on drawings and as per specification				
6.1	Wooden counter, overall size 1500 x 600 x 800mm high	1	No.		
	<b><u>Finish Carpentry</u></b>				
	Kitchen unit comprising 18 mm thick plywood, placed with 1 mm thick plastic laminated double face, including marble tops, drawers, shelves, panels, hardware, fixings, fittings, accessories, and decoration, complete as shown on drawings and as per specifications				
6.2	Wall Unit, size 400mm x 600 mm high	4	m		
6.3	Floor Unit, size 600mm wide x 800 mm	4	m		
		<b>To Summary</b>		<b>JD</b>	

**BILL NO. 1**  
**DIVISION 7 - THERMAL AND MOISTURE PROTECTION**

Item	Description	Quantity	Unit	Rate JD/Fils	Amount JD/Fils
	<b>07120 - THERMAL AND MOISTURE PROTECTION</b>				
	<b><u>CAST-IN-PLACE CONCRETE</u></b> <b>"Lightweight" foam concrete "450 Kg/m3", including angle fillet, complete as shown on drawings as per</b>				
7.1	To Roofs	210	m3		
	<b>"Trowelled smooth" cement and sand leveling screed, complete as shown on drawings and as per specifications</b>				
7.2	To roofs, 20mm thick	2100	m2		
	<b>Cement and sand protection screed, including all necessary preperation works, complete as shown on drawings</b>				
7.3	Under slab on grade, 30mm thick	2486	m2		
	<b><u>WATERPROOFING FOR UNDER GROUND WORKS</u></b>				
	<b>Approved water proof, cold applied, 1 mm thick complete as shown on drawings and as per specifications</b>				
7.4	Horizontally	1271	m2		
7.5	Vertically	1911	m2		
	<b><u>FLUID APPLIED WATER PROOFING SYSTEM</u></b>				
	<b>Fluid applied water proof coating, complete as shown on drawings and as per specifications</b>				
7.6	Horizontally	361	m2		
7.7	Vertically	100	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 7  
THERMAL & MOISTURE  
PROTECTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><b>THERMAL AND MOISTURE PROTECTION</b></p> <p><b>ELASTOMERIC WATER PROOFING SYSTEMS</b></p> <p><b>Polyurothane elastomeric water proofing coating, including all necessary preparation works and under coats, complete as shown on drawings and as per specifications</b></p>				
7.8	To Concrete Walls, extnerally, 1 mm thick	2634	m2		
	<p><b>ROCKWOOL INSULATION</b></p> <p><b>50 mm thick, high density (60 kg/m3) rockwool thermal insulation, including all necessary fixings, complete as shown on drawings and as per specifications</b></p>				
7.9	To external walls	2634	m2		
	<p><b>RIGID INSULATION AND POLYSTYRENE</b></p> <p><b>Polystyrene void filler, density not less than 60kg/m3, complete as shown on drawings and as per specifications</b></p>				
7.10	Polystyrene void filler	10	m3		
	<p><b>Polyethylene sheet, 500 micron thickness, including 15mm wide overlapping joint between layers, complete as shown on drawings and as per specifications</b></p>				
7.11	Under slab on grade, 1000 gauge	2486	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 7  
THERMAL & MOISTURE  
PROTECTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><b>THERMAL AND MOISTURE PROTECTION</b></p> <p><b>MODIFIED BITUMEN ROOFING MEMBRANE</b></p> <p>4mm thick bitumen membrane water proofing, including all necessary fixings, complete as shown on drawings and as per specifications thermal insulation 40mm thk.</p>				
7.12	To Roofs	2100	m2		
	<p><b>SHEET METAL FLASHING AND</b></p> <p>1mm thick zinc metal fashing, including galvanized metal clips, mastic sealants, all necessary fixings, fittings, and accessories, complete as shown on drawings and as per specifications</p>				
7.13	Zinc metal flashing, 350mm wide	1147	m		
	<p><b>SEALANTS</b></p> <p>Mastic sealant, including making grooves prepare surface to receive sealant, and closed cell backing cord, complete as shown on drawings and as per specifications</p>				
7.14	Mastic, to main roof	1147	m		
	<p><b>SUNDRIES</b></p> <p>1" diameter wadi gravel complete as shown on drawings and as per specifications</p>				
7.15	To Roofs	2100	m2		
	<p><b>Sand layer over polyethylene sheet, complete as per specifications</b></p>				
7.16	30 mm thick	75	m3		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
 DIVISION 7  
 THERMAL & MOISTURE  
 PROTECTION**

Item	Description	Quantity	Unit	Rate JD/Fils	Amount JD/Fils
	<p><b>COLLECTION</b></p> <p>Page No. 1/7/1</p> <p>Page No. 1/7/2</p> <p>Page No. 1/7/3</p>				
		<b>To Summary</b>		<b>JD</b>	

**BILL NO. 1**  
**DIVISION 8 - DOORS AND WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS</b>				
	<b><u>08110 - Steel Doors and</u></b> <b><u>08111 - Standards Steel Frames</u></b>				
	Louvered steel doors and windows comprising 20 x 30 mm "U" section steel frames welded with sub frame, 30 x 30 mm steel tube, 30 mm steel plates louvers welded to steel tube 300 x 200 x 3 mm thick steel plates anchored in concrete including all necessary aluminium wire mesh fly screen screwed W/frame to steel tube , fixings, fittings, accessories, mastic, hardware and decoration complete as shown on drawings and as per specifications				
8.1	Type SD05, leaf size 1000 x 2000 mm high	1	No.		
	Louvered steel screen and frames, comprising 3mm steel plate welded to steel tube, 30 x 30mm steel tube, including all necessary fixings, fittings, accessories, decoration, fly screens and hardware complete as shown on drawings and as per specifications.				
8.2	Ref. SW1, double leaf size 3850 x 2830mm	1	No.		
8.3	Ref. SW2, size 4149 x 4960mm high	1	No.		
8.4	Ref. SW4 size 2800 x 300mm high	1	No.		
8.5	Ref. SW5, size 4800 x 300mm high	1	No.		
8.6	Ref. SW6, size 600 x 300mm high	1	No.		
8.7	Ref. SW7, size 1700 x 300mm high	3	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08110 - Steel Doors and</u> <u>08111 - Standards Steel Frames</u></b>				
	<b>Hot rolled atmospheric corrosion resisting steel doors and frames, comprising 200 x 200mm corten steel tube frame, 130 x 130mm corten steel tube frame. 150 x 25mm corten steel plate. 30 x 30mm "C" channel of corten steel door leaf 30 x 20mm corten steel spacer 8mm thick corten steel plates, 10mm thick tempered glass, steel hinges, including all necessary concrete filling, fixings, fittings, accessories, hardware and decoration complete as shown on drawings and as per specifications</b>				
8.8	Type SD1, leaf size 1925 x 2830 mm high	3	No.		
8.9	Type SD2, leaf size 2600 x 2830 mm high	1	No.		
8.10	Type SD3, leaf size 1600 x 2320 mm high	2	No.		
8.11	Type SD4, leaf size 1600 x 2210 mm high	2	No.		
	<b>Protection steel screen and frames, comprised of 30 x 30 mm steel tubes frames, 20 x 8 mm steel flat bars/15 c.m both way including all necessary fixings, fittings, accessories and painting as shown on drawings and as per specifications</b>				
8.12	For window No. TPW1 size 4830 x 550 mm	4	No.		
8.13	For window No. TPW2 size 7070 x 550 mm	4	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08210 - Wood Doors and Frames</u></b>				
	<b>45mm thick Swedish wooden doors, comprising 5mm thick plywood, Oak veneered facing door leaf edging, 25 x 35mm softwood strips, hardwood lipping, 45mm Swedish wood frame, including all necessary subframe, architrave lugs, joints, protection coating, push plate, kick plate, fixings, fittings, accessories, hardware, glazing and decoration complete as shown on drawings and as per specifications</b>				
8.14	Single leaf door type TD1, to suit opening size 1000mm x 2100mm high	1	No.		
8.15	Ditto, type TD2, to suit opening size 1150mm x 2320mm high	1	No.		
8.16	Ditto, type TD3, to suit opening size 1000mm x 2320mm high	4	No.		
8.17	Ditto, type TD4, to suit opening size 1000 x 2320mm high	2	No.		
8.18	Double leaf, type TD5, to suit opening size 2600 X 2320mm high	1	No.		
8.19	Single leaf door type TD6, to suit opening size 800mm x 2100mm high	12	No.		
8.20	Ditto, type TD7, to suit opening size 900 x 2100m high	8	No.		
8.21	Ditto, type TD8, to suit opening size 750mm x 2100mm high	3	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08210 - Wood Doors and Frames</u></b>				
	<b>45mm thick Swedish wooden doors, comprising 5mm thick plywood Oak veneered facing door leaf edging, 25 x 35mm softwood strips, hardwood lipping, 45mm Oak wood frame, including all necessary subframe, architrave lugs, joints, protection coating, aluminum plate for sign, push plate, kick plate, fixings, fittings, accessories, hardware, glazing and decoration complete as shown on drawings and as per specifications</b>				
8.22	Single leaf door, type TD12, to suit opening size 900mm x 2320mm high	1	No.		
8.23	Double leaf door, type TD13, to suit opening size 1400mm x 2320mm high	2	No.		
8.24	Ditto, type TD15, to suit opening size 1600 x 2320mm high	1	No.		
8.25	Ditto, type TG1, size 4820 x 2320mm high	2	No.		
8.26	Ditto, type TG2, size 2600 x 2320mm high	1	No.		
8.27	Ditto, type TG3, size 2600 x 2320mm high, including 2600 x 1330 x 10mm thick tepered glass panel	1	No.		
		<b>To Collection</b>		<b>JD</b>	



**BILL NO.1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08210 - Wood Doors and Frames</u></b>				
	<b>47mm thick laminated wooden doors 1/2 hour fire rated, comprising 1.5mm thick powder coated pressed steel door frame, hard wood lipping, soft wood grounds, 75 x 35mm pine wood core door frame, 5mm thick plywood veneer, 1mm thick hard P.V.C all necessary subframe, architrave, lugs, joints, aluminum kick plates, cement mortar infilt, fixings, fittings, accessories hardware, glazing and decortion, complete as shown on drawings and as per specifications</b>				
8.33	Single leaf door, type LD1, overall size 1000 x 2330mm high	1	No.		
	<b><u>08520 - Aluminum Windows</u></b>				
	<b>6mm thick single glazed aluminum, windows, including all necessary frames, sub frames, trims, mastic sealant, aluminum architrave, sills, flashing, aluminum door threshold, caulking, flyscreen, flashing, glazing, weather stripping and hardware complete as shown on drawings and as per specifications</b>				
8.34	Type AW01, size 640 x 1385 mm high	2	No.		
8.35	Type AW02, size 700 x 1865 mm high	14	No.		
8.36	Type AW03, size 700 x 1365 mm high	2	No.		
8.37	Type AW04, size 700 x 1010 mm high,	4	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08800 - Glazing</u></b>				
	<b>Tempered glass doors, windows, panels including all necessary frames, sub frames, trims, mastic sealant, architrave, sills, flashing, threshold, caulking, accessories, flashing, glazing, weather stripping and hardware, complete as shown drawings and as per specifications (Continued)</b>				
8.38	Glass doors, type TPD1, size 3100 x 2830mm x 10mm thick	4	No.		
8.39	Ditto, TPD2, size 3100 x 2830mm x 10mm thick	8	No.		
8.40	Ditto, TPD3, size 4840 x 2340,, x 10mm thick	1	No.		
8.41	Ditto, TPD4, size 11928 x 2340mm x 10mm thick	2	No.		
8.42	Glass window type TPW1, size 4830 x 550mm x 12mm thick	4	No.		
8.43	Ditto, type TPW2, size 7070 x 550mm x 12mm thick, L shape	4	No.		
8.44	Ditto, type TPW3, size 3930 x 550 x 12mm thick	4	No.		
8.45	Ditto, type TPW4, size 5790 x 550 x 12mm thick	4	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 1  
DIVISION 8  
DOORS & WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS (CONT'D)</b>				
	<b><u>08800 - Glazing (Contd.)</u></b>				
	<b>Glass windows, 6mm thick clear, float, single glass including all necessary fixings, fittings, accessories neoprene, caskets, brushes and silicon complete as shown on drawings and as per specifications (Continued)</b>				
8.46	Glass window ref. GW1, size 1160 x 970mm high	1	No.		
8.47	Ditto, ref. GW2, size 2200 x 900mm high	1	No.		
8.48	Ditto, Ref. GW3, size 1600 x 1530mm high	2	No.		
	<b>Composite screen partition, consisting 12 mm thick tempered glass screens, IPE300 section frame with concrete casing both sides faced with solid Oak wood cladding 12 mm thick, including all necessary fixings, fittings, hardware, glazing and decoration complete as shown on drawings and as per specifications</b>				
8.49	Screen panel, ref. TG1, approximate size, 4820 x 3490 mm high (double leaf door measured elsewhere)	2	No.		
	<b><u>08800 - MIRRORS</u></b>				
	<b>Mirror "self adhesive type" including all necessary fixings, trims, accessories, brass strip, block board, galvanized steel hook and plastic lug, complete as shown on drawings and as per specifications</b>				
8.50	Mirror, size 2200 x 1000 x 6mm thick	1	No.		
8.51	Ditto, size 2500 x 1000 x 6mm thick	1	No.		
8.52	Ditto, size 3200 x 1000 x 6mm thick	2	No.		
8.53	Ditto, full wedth, 1100 mm high	5	No.		
		<b>To Collection</b>		<b>JD</b>	





**BILL NO. 1  
DIVISION 9  
FINISHES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>FINISHES (CONT'D)</b>				
	<b><u>09300 - Ceramic Tiles</u></b> First quality anti slip ceramic floor tiles, on and including cement and sand mortar bed, sand fill material, cutting, fittings, trims, grouting and cleaning, complete as shown on drawings and as per specifications.				
9.7	To floors, size 200 x 200 x 8mm thick	142	m2		-
	<b>First quality glazed ceramic wall tiles including all necessary fixings, accessories, adhesive, pointing and cleaning, complete as shown on drawings and as per specifications</b>				
9.8	To walls, size 200 x 250 x 6mm thick	249	m2		-
	<b><u>Portland Terrazzo Tiles</u></b> Terrazzo floor tiles on and including cement and sand mortar bed, sand fill materials, cutting, fittings, trims, accessories, grouting and polishing complete as shown on drawings, and as per specifications				
9.9	To floors, size 300mm x 300mm x 30mm	327	m2		-
	<b><u>Metal Linear Ceiling System</u></b> Metal strip suspended ceiling including suspension system, access panels, fixings, and accessories complete as shown on drawing and as per specifications.				
9.10	Horizontally	119	m2		-
		<b>To Collection</b>		<b>JD</b>	-

**BILL NO. 1  
DIVISION 9  
FINISHES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>FINISHES (CONT'D)</b>				
	<b>Stone Flooring</b>				
	<b>First quality Sahrawi Basalt and Ajloun stone floor tiles on and including cement and sand mortar bed, sand fill material cutting, fittings, pointing and cleaning complete as shown on drawings and as per specifications.</b>				
9.11	To Floors, size 300 x 300 x 30mm thick	1800	m2		-
9.12	Motif consisting of Ajloun type A and sahrawi basalt type B, overall size 7500 x 7500mm	1	No.		-
9.13	Ditto, overall size 12500 x 12500mm	1	No.		-
9.14	Ditto, overall size 10500 x 10500mm	1	No.		-
9.15	Ditto, sahrawi basalt, polished black, size 300 x 300 x 30mm thick	45	m2		-
	<b>First quality "Ajlone type" stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fittings, fixings, pointing and cleaning complete as shown on drawings and as per specifications.</b>				
9.16	To Floors, size 200 x 200 x 30mm, acid	202	m2		-
9.17	Treads, dark stone sand blast acid wash, 30mm thick	39	m2		-
9.18	Risers, 20mm thick	19	m2		-
9.19	Thresholds, 30mm thick	6	m2		-
		<b>To Collection</b>		<b>JD</b>	-





**BILL NO. 1**  
**DIVISION 10 - SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES</b>				
	<b><u>10441 - Plastic Signs</u></b> Signs, comprising 6mm tempered glass with chamfered edge, with frosted vinyl writing, 25mm diameter laccuered brass bracket, all necessary fixings, fittings and accessorie, complete as shown on drawing DSPC - SG003, 004, and as per specifications.				
10.1	Touristing Guide map, reference 1/DSPC. SG003, size 1000mm wide x 500mm high	2	No.		-
10.2	Room Name Sign, reference 6/DSPC. SG003, size 300mm wide x 250mm high	1	No.		-
10.3	Space Name Sign, reference 3/DSPC. SG003,, size 1000mm x 500mm high	1	No.		-
10.4	Room Name Sign, reference 4/DSPC. SG003, size 300mm x 250mm high	1	No.		-
10.5	Room Name Sign, reference 5/DSPC. SG003, size 1000mm x 500mm high	1	No.		-
10.6	Room Name Sign, reference 6/DSPC. SG003, size 300mm wide x 25mm high	1	No.		-
10.7	Toilet Sign, reference 7/DSPC. SG003, size 300mm wide x 250mm high	1	No.		-
10.8	Toilet Sign, reference 8/DSPC. SG003, size 300mm wide x 250mm high	2	No.		-
10.9	Toilet Sign, reference 9/DSPC. SG003 size, 300mm wide x 250mm high	2	No.		-
		<b>To Collection</b>		<b>JD</b>	-

**BILL NO. 1  
DIVISION 10  
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES (CONTD.)</b>				
	<b><u>10441 - Plastic Signs</u></b> Signs, comprising 6mm tempered glass with chamfered edge, with frosted vinyl writing, 25mm diameter laccuered brass bracket, all necessary fixings, fittings and accessories, complete as shown on drawing DSPC - SG003, 004, and as per specifications.				
10.10	Escape Sign, reference 10/DSPC. SG003, size 300mm wide x 250mm high	5	No.		-
10.1	Space Name Sign, reference 11/DSPC. SG003, size 1000mm wide x 500mm high	1	No.		-
10.1	Room Name Sign, reference 12/DSPC. SG003, size 300mm wide x 250mm high	1	No.		-
10.1	Room Name Sign, reference 13/DSPC. SG003, size 300mm wide x 250mm high	2	No.		-
	<b><u>10800 - Toilets and Bath Accessories</u></b> Toilet accessories including all necessary fixings, fittings, and accessories complete as shown on drawings and as per specifications				
10.1	Lavatory mounted liquid soap dispenser	14	No.		-
10.2	Toilet paper dispenser	12	No.		-
10.2	Paper towel dispenser of waste receptacles (for female toilets only)	10	No.		-
10.2	Recess mounted toilet paper & napkin disposal unit (for female toilets only)	6	No.		-
		<b>To Collection</b>		<b>JD</b>	-







**BILL NO. 1**  
**DIVISION 13 - SPECIAL CONSTRUCTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIAL CONSTRUCTION</b>				
	<b><u>FOUNTAIN</u></b> Reinforced, fairface concrete, fountain consisting of concrete works, reinforcement steel bars, finishing works, water proofing, tiling works, electrical and mechanical works, all necessary fixings, fittings, accessories, and decorations complete as shown on drawing DSPC - A-D02 and as per specifications				
13.1	Fountain, irregular shape, overall size 3000 x 3000mm	1	No.		-
13.2	Ditto, octagonal shape, overall size 2100 x 2100mm	1	No.		-
		<b>To Summary</b>		<b>JD</b>	-

**DEAD SEA PANORAMIC SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 2 EXHIBITION WORKS**

**BILL NO. 2  
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
10	<b>SUMMARY</b> Specialties				
	<b>To General Summary</b>			<b>JD</b>	

**BILL NO. 2**  
**DIVISION 10 - SPECIALTIES**

Item	Description	Quantity	Unit	Rate JD/Fils	Amount JD/Fils
	<p><b>SPECIALTIES</b> <u>Price includes necessary data and collection, research and editing of software</u></p> <p><u>Sundry Items</u> Tempered glass panel, consisting of two layers of 6mm thick tempered glass panels with flex in between (digital printed) fixed on split face, finish Karak brown stone and honed finish Karak stone base, including all necessary mastic, fixings, fittings and accessories, complete as shown on drawings DSPCEX-002 detail - 1 and DSPC. EX-003 detail - 5 and as per specifications</p>				
10.1	Tempered glass Panel, size 840mm wide x 1980mm high, type A	44	No.		-
10.2	Ditto, size 1500mm wide x 1980mm high,  show cases consisting of 6mm thick clear glass, overall size 300 x 300 x 285mm high glass box, fixed on polished Karak brown stone size 330 x 330 x 615mm high and split face Karak brown stone base size 330 x 330 x 330mm high with chamfered edges including all necessary mastic, fixings, fittings, and accessories complete as shown on drawing DSPC.EX-002 detail-2 and as per specifications	4	No.		- - - -
10.3	Show cases, overall size 330 x 330 x 1230mm high	32	No.		- -
		<b>To Collection</b>		<b>JD</b>	-



**BILL NO. 2  
DIVISION 10  
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES (CONTD.)</b>				
	Show case consisting of 6mm thick clear glass size 1500 x 1500mm, split face Karak brown stone frame 300mm thick x 450mm high with inner side freeze to receive glass, and polished finish Karak Brown stone base size 2000 x 2000 x 150mm high including all necessary mastic, fittings, fixings and accessories, complete as shown on drawing DSCPC.EX-004 detail - 9 and as per specifications				
10.6	Stone show case, overall size 2100 x 2100 x 600mm high	2	No.		-
	Dead Sea model artworks consisting of octagonal shaped plexi glass overall size 4711 x 4711mm fixed on split face, Karak brown stone wall size 205mm thick x 450mm high with freeze at inner side to receive glass, and polished finish Karak brown stone base size 5021 x 5635 x 150mm high, including all necessary mastic, fittings, fixings, and accessories, complete as shown on drawings DSPC.EX-004 detail -10 and as per specifications				
10.7	Dead Sea Model, overall size 5121 x 5735 x 600mm high	1	No.		-
		<b>To Collection</b>		<b>JD</b>	-

**BILL NO. 2  
DIVISION 10  
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES (CONTD.)</b>				
	Dead sea scroll show case (air tight) consisting of 5mm thick tempered float glass for museum's show cases, overall size 900 x 900 x 1200mm high, 10mm thick tempered float glass cover box, fixed on split face Karak brown stone size 1500 x 1500 x 700mm high, 50mm thick stone sill matabeh finish, and polished finished Karak brown stone base size 200mm high, 8mm thick ply wood with velvet fixed on 20 x 20mm steel tube, reinforced concrete lintels, concrete backing, threshold including all necessary mastic, fittings, fixings, and accessories, complete as shown on drawing DSPC.EX-005 detail - 11 and as per specifications.				
10.8	Dead Sea Scroll show case, overall size 1500 x 1500 x 1950mm high	2	No.		-
	<b>Karak brown stone TV table, split face finish, consisting of honed finish Karak brown stone base, overall size 1700 x 1700 x 150mm high, including all necessary fixings, fittings, and accessories complete as shown on drawing DSPC.EX-003 detail - 8 and as per specifications.</b>				
10.9	TV stone table, overall size 1800 x 1800 x 750mm high, with variable sides  Natural stone piece from site as shown on drawing DSPC.EX-002 detail - 3 and as per Engineer's approval	1	No.		-
10.10	Natural stone piece, size 600 x 300 x 1200mm high	10	No.		-
		<b>To Collection</b>		<b>JD</b>	-

**BILL NO. 2  
DIVISION 10  
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES (CONTD.)</b>				
	<b>Natural rock piece from site formation to have polish face at top and split face at sides as shown on drawing DSCPC.EX-002 detail - 4 and as per specifications</b>				
10.11	Natural rock formation from site, size 450 x 450 x 450mm high	7	No.		-
	<b>Movable chair manufactured by (FIGURAS) or equivalent including all necessary fixings, fittings, accessories complete as shown on drawings and as per specifications</b>				
10.12	Chairs, size 580 x 570 x 760mm	4	No.		-
10.13	Audio Visual: Dead Sea in Danger Audio Visual Set<C> C-1 Flat Panel Color Video Monitor(1set) C-2 Mounting Brackets for Flat Panel (1set) C-3DVD Player(1set) C-4SystemOperation Computer (1set) C-5 I/F Unit (1set) C-6 System Controller(1 set) C-7 Powered Mixer (1set) C-9 Speaker(1pair) C-10 Speaker Holder( 2sets) C-11 Connecting Cable (1lot) C-12 Installation Material (1lot) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS		-
10.14	Software : Dead Sea in Danger Duration : 5minutes Naration with Music with Newly production and editing software as shown on detailed drawig (Provisional Sum)	1	LS	#####	15,000.00
			<b>To Collection</b>	<b>JD</b>	

**BILL NO. 2  
DIVISION 10  
SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
10.15	Audio Visual : Ecology of Dead Sea Audio Visual Set <C> C-1 Flat Panel Color Vidio Monitor (1set) C-2 Mounting Brackets for Flat Panel (1set) C-3DVD Player(1set) C-4SystemOperation Computer (1set) C-5 I/F Unit (1set) C-6 System Controller(1 set) C-7 Powered Mixer (1set) C-9 Speaker(1pair) C-10 Speaker Holder( 2sets) C-11 Connecting Cable (1lot) C-12 Installation Material (1lot) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS		-
10.16	Software : Dead Sea in Danger Duration : 5minutes Naration with Music with Newly production and editing software as shown on detailed drawig No. (DSPC.EX-007-8) (Provisonal Sum)	1	LS	#####	15,000.00
10.17	Stuffed Animal Model (2snakes 2birds) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS		-
10.18	Stuffed Animal Model (2animal) as shown on detailed drawig No. (DSPC.EX-007-8)	1	LS		-
10.19	Audio Visual Set <E > Computer Set Computer Display (touch as shown on detailed drawig No. (DSPC.EX-007-8) Equipment for Reinforcement Stage Equipment Inclined Equipment Type A Equipment Type B Equipment Perforated Steel Sheet Equipment Acrylic Stage Equipment Acrylic Box Equipment Acrylic Box B Equipment as shown on detailed drawig No. (DSPC. EX-007-8) Specification No.Article5	4	No.		-
		10	No		-
		10	No.		-
		40	No		-
		30	No		-
		10	No		-
		10	No		-
		10	No		-
		10	No		-
		<b>To Collection</b>		<b>JD</b>	



**DEAD SEA PANORAMIC SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 3 EXTERNAL WORKS**

**BILL NO. 3  
SUMMARY**

Div. No.	Description	Quantity	Unit	Rate	Amount
				JD/FILS	JD/FILS
	<b>SUMMARY</b>				
2	Sitework				
3	Concrete				
4	Masonry				
5	Metals				
7	Thermal & Moisture Protection				
8	Doors and Windows				
9	Finishes				
10	Specialties				
13	Special Construction				
	<b>To General Summary</b>			<b>JD</b>	

**BILL NO. 3**  
**DIVISION NO. 2 - SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK</b>				
	<b>Road Work</b>				
2.1	Unclassified highway excavation	10400	m3		
2.2	Embankment construction	8000	m3		
2.3	Subgrade layer (topping 20cm)	1400	m3		
2.4	Granular Sub-base course	1500	m3		
2.5	Aggregate base course	1250	m3		
2.6	Bituminous prime coat (MC-70)	7	ton		
2.7	Bituminous tack coat (RC-250)	4	ton		
2.8	Bituminous binder course (5.0 cm compacted thickness)	5000	m2		
2.9	Bituminous wearing course (5.0 cm compacted thickness)	4000	m2		
2.10	Precast concrete curb (mountable type)	50	m		
2.11	Precast concrete tiling	200	m2		
2.12	Small signs (not exceeding 1 sq.m area)	3	No.		
2.13	Large ground mounted signs (from 1.0 to 2.0 sq.m area)	2	No.		
2.14	Single post sign supports	3	No.		
2.15	Multiple post sign supports assemblies	2	No.		
2.16	Painted pavement lines (TRP) 10 cm wide, white (class A)	1100	m		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
2.17	Painted pavement lines (TRP) 15cm wide, yellow (class B)	1100	m		
2.18	Direction arrows	10	No.		
2.19	Cat-eyes pavements studs	135	No.		
2.20	R.C single pipe culvert, diam. = 900 mm	30	m		
2.21	Catchpit (drop inlet)	1	No.		
2.22	Concrete class C25 for box culverts, headwalls, endwalls, wingwalls, apron slabs and walls for stilling basin and check	50	m3		
2.23	Concrete class C15 in blinding for box culverts and the related works	5	m3		
2.24	Mortared stone riprap (15 cm thick) channel and ditch lining	100	m2		
2.25	High tensile steel bars reinforcement (grade 60) for box culvert and the related	10	Ton		
2.26	Mortared stone riprap (for embankment, steps and culvert protection)	15	m3		
2.27	Unclassified structural excavation for box culvert and the related works	150	m3		
2.28	Loose stone riprap - used for check dams and protection works	100	m3		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b><u>02230 - Clearing</u></b>				
	<b><u>Site Preparation</u></b> Clear the site from deleterious materials vegetation, debris, rubbish ... etc.				
2.29	Clearing the site generally	1	Item		
	<b><u>02300 - Aggregate Material</u></b> Natural gravel, "various sizes" and shapes, complete as shown on drawings and as per specifications				
2.30	Black gravel, various size	65	m3		
2.31	Ditto, light colour beige gravel	66	m3		
	<b><u>02300 - Rough Grading</u></b> Trial way, including all necessary clearing from rocks, "existing channel to be kept in original position" complete as shown on drawing LS-004 detail 3, and as per specifications				
2.32	1200 mm wide	422	m2		
	<b><u>02300 - Structural Excavation &amp; Backfilling</u></b>				
	<b><u>Excavation</u></b> Excavation in any kind of soil, rock ... etc., starting at natural ground levels and removal of surplus excavated materials from site to an approved dumping area, complete as per specifications				
2.33	Reduce level excavation, generally	1310	m3		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b><u>02300 - Structural Excavation &amp; Backfilling</u></b> Allow for collecting excavated rocks material, arranging them according to size and colour, storing them in approved area, to be used later on landscaping areas according to engineer's approval				
2.34	Collect, arrange, and store rock materials.	1	Item		
	<b>Excavation for foundations starting at reduced level, and removal of surplus excavated materials from site to an approved dumping area, complete as per specifications</b>				
2.35	Foundation excavations	246	m3		
	<b><u>Filling</u></b> Approved selected fill material to make up levels, including all necessary compaction, complete as per specifications				
2.36	To yards, sidewalks and paved areas,	1211	m3		
	<b>Imported selected hardcore and base course material, including all necessary compaction, complete as per specifications</b>				
2.37	150 mm thick, under tiles and steps	515	m3		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><b><u>02900 - Landscape Development</u></b></p> <p><b><u>Planting Soil</u></b></p> <p><b>Mixed planting soil for planters and ground covers, from natural domestic dune, sweet sand, suitable for the production of agricultural crops, and shall have a maximum 02% total dissolved sal, and shall be free of spilled fuels, chemical contamination, stones, weeds, roots, debris, and other deleterious substances, all as described and instructed by the Engineer</b></p>				
2.38	<p>Agricultural soil material for planters and ground cover, variable thickness</p> <p><b><u>02900 - Landscape Planting</u></b>  <b>Supply and plant, trees, shrubs, climbers, bulbs and annuals, including planting soil for all the planting areas to the levels as shown on the drawings, not less than (200)mm thick, with approved fertilizes, excavate pits and refill with planting soil after planting, and (50mm) thick washed wadi gravel over soil around trees and shrubs, galvanized stake covered with PVC coating for all trees, all as per detail and as instructed by the Engineer, (the height of the trees should be measured from the top of the planting), The contractor should irrigate all the plants up to handing over</b></p>	100	m3		
2.39	<p>Tamarix Chinesis (Chinese Tamanis) 2.0-3.0m height</p>	121	No.		
2.40	<p>Aloe Vera (Barbados Aloe), 0.3m height and 0.3m spread</p>	76	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b>Supply and plant, trees, shrubs, climbers, bulbs and annuals, including planting soil for all the planting areas to the levels as shown on the drawings, not less than (200)mm thick, with approved fertilizes, excavate pits and refill with planting soil after planting, and (50mm) thick washed wadi gravel over soil around trees and shrubs, galvanized stake covered with PVC coating for all trees, all as per detail and as instructed by the Engineer, (the height of the trees should be measured from the top of the planting), The contractor should irrigate all the plants up to handing over</b>				
2.41	Retama Reatam (White Broom), 0.5 - 1.0m height	76	No.		
2.42	Calycotome Vilosa (Caly eotome), 0.50 - 1.0m height	81	No.		
2.43	Crataegus Aronia (Hawthorn), 1.0-2.0m	64	No.		
4.44	Delonix Regia (Royal Poinciane), 3.0-	1	No.		
4.45	Phoenix Dacty Li Fera (Date palm), 8.0-10.0m heigh	12	No.		
4.46	Carpobrulies E Dulie (ice plant), 0.3m	70	m2		
4.47	Native plants from the area	1	Item		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b><u>02900 - Landscape Planting</u></b>				
	<b><u>Maintenance</u></b>				
	<b>Protect, maintain and cultivate all plants and planting areas in good conditions, keep free from weeds, fertilize, irrigate and maintain lighting levels.</b>				
2.48	Maintain all plants and planting areas in good conditions up to the end of the 12 month establishment maintenance / defects liability period	1	Item		
	<b><u>02784 - Stone Pavers</u></b>				
	<b>Veneer stone floor tiles on and including all necessary cement and sand mortar, concrete bed under, pointing, and jointing, complete as shown on drawing and as per specifications</b>				
2.49	To sloping, different shape	505	m2		
	<b>Panoramic Terrace pattern floor tiles, consisting of 300 x 300 x 30 mm thick Ajloun stone tiles, 250 x 500 x 30 mm basalt stone tiles, veneer stone different shape, on and including cement and sand mortar bed, sand fill material, cutting, fittings, trims, accessories, and grouting, complete as shown on drawings 5/DSPC.LS/008 and as per specifications</b>				
2.50	To floor, approximate size 17000mm diameter, circular	1	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b>02784 - Stone Pavers (Contd.)</b> Pattern floor tiles consisting of 100mm thick black gravel, aluminum land scape edging, planting soil, 150 x 300 x 200 mm curbstone, 1000 mm thick planting soil, including all necessary fixings and grouting, complete as shown on drawing 4/DSPC-LS-001 and as per specifications.				
2.51	To floors, approximate size 12300 mm diameter, circular	1	No.		
	<b>Entrance pattern floor tiles, consisting of 2 x 1m on site black boulders, 150 x 150 x 20 mm basalt stone Matabah finish, rubble stone 150-200mm black stone from site, 150 x 150 x 20 mm basalt stone matabeh finish, 150 x 150 x 30 mm acid washed stone, 200 - 300 mm rubble sand stone brown colour, 300 x 300 x 100 mm acid washed Ajloun stone Matabah finish beige colour, concrete with exposed aggregate light colour, expansion joint with all associated accessories on and including cement and sand mortar bed, sand fill, cutting, fittings, trims, accessories, and grouting, complete as shown on drawings 1/DSPC-LS-001 and as per specifications</b>				
2.52	To floors, approximate size 24000 mm diameter, circular	1	No.		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b><u>02784 - Stone pavers (Contd.)</u></b>				
	<b>First quality stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fixings, and grouting, complete as shown on drawings and as per specifications (Continued)</b>				
2.53	Floor tiles, size 300 x 300 x 30 mm Ajloun dark washed	298	m2		
2.54	Ditto, size 300 x 300 x 20 mm, regular	395	m2		
2.55	Ditto, size 250 x 250 x 30 mm thick basalt stone, curved on plan	88	m2		
2.56	Ditto, 400 x 400 x 20 mm thick Matabeh finish, acid wash light colour beige	116	m2		
2.57	Ditto, 250 x various length not less than 300 mm x 30 mm thick Matabeh finish	1012	m2		
2.58	Ditto, random rubble stone different colors (from site)	1000	m2		
2.59	Ditto, brown stone dressed when needed (from site)	25	m2		
2.60	Floor tile, size 150 x 150 x 20 mm black basalt stone tile	50	m2		
2.61	Ditto, Ajloun dark stone 30 mm thick	9	m2		
2.62	Treads, 50 mm thick "Ajloun Type" colour beige, curved on plan	50	m2		
2.63	Risers, 30 mm thick, ditto	18	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 2  
SITEWORK**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SITEWORK (CONT'D)</b>				
	<b><u>02784 - Stone pavers (Contd.)</u></b>				
	<b>First quality stone floor tiles on and including cement and sand mortar bed, sand fill material, cutting, fixings, and grouting, complete as shown on drawings and as per specifications</b>				
2.64	Treads, 30 mm thick dark sand blasted acid	33	m2		
2.65	Risers, 20 mm thick, ditto	19	m2		
	<b>Basalt curb and edge curb stone, including all necessary excavation works, concrete works and formwork, complete as shown on detail drawings and as per specifications</b>				
2.66	Curb, size 150 x 200 x 100 mm high	37	m		
2.67	Ditto, curved on plan	131	m		
2.68	Edge curb, size 200 x 200 x 100 mm	108	m		
2.69	Ditto, curved on plan	780	m		
2.70	Curb, size 150 x 200 x 300 mm	117	m		
	<b><u>Sundries</u></b>				
	<b>Natural stone boulders "different sizes and shapes", complete as shown on drawings and as per specifications</b>				
2.71	Laid loose over and around planting soil	1	Item		
		<b>To Collection</b>		<b>JD</b>	





**BILL NO. 3**  
**DIVISION 3 - CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE</b>				
	<b><u>03100 - Concrete Formwork</u></b> Extra Over for fairface concrete (Grade 1) finish including positioning of grooves, chamfers, "V" shapes, recesses ...etc., complete as shown on the drawings and as specifications				
3.1	To walls	363	m2		
3.2	To ceilings	264	m2		
3.2a	ordinary form Extra over for "trowelled smooth" concrete finish complete as shown on drawing and as per specifications	5198	m2		
3.3	To floors  Extra over for broom concrete finish complete as shown on drawings and as per specifications	264	m2		
3.4	To ramps	10	m2		
	<b><u>03200 - Concrete Reinforcement</u></b> Deformed high yield steel bar reinforcement of characteristic strength FY=420 N/mm2, including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.5	Various diameters	101.16	ton		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 3  
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE (CONT'D)</b>				
	<b><u>03200 - Concrete Reinforcement (Contd.)</u></b> Deformed mild steel bar reinforcement of characteristic strength FY=275 N/mm <sup>2</sup> including bending, hooks, tying wires, distance blocks and spacers, complete as per specifications				
3.6	Various diameters	17.85	ton		
	<b><u>03251 - Expansion and Construction</u></b> Joint filler, complete as shown on drawings and as per specifications				
3.7	Laid vertically, 30 mm thick	3	m <sup>2</sup>		
	<b><u>WATER STOPS</u></b>				
	Approved flat dumbbell water stop, type 250FD complete as per specifications				
3.8	230 mm wide, to water tank	52	m		
	<b><u>03300 - Cast-In-Place Concrete</u></b> <b><u>03370 - Concrete Curing</u></b> Plain concrete "C15", 15 N/mm <sup>2</sup> at 28 day compressive strength with ordinary Portland cement complete as per specifications				
3.9	50 mm thick blinding	150	m <sup>3</sup>		
3.10	100 mm thick blinding	56	m <sup>3</sup>		
		<b>To Collection</b>		<b>JD</b>	

**Bill NO. 3**  
**DIVISION 3**  
**CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE (CONT'D)</b>				
	<u>03300 - Cast-In-Place Concrete (Contd.)</u> <u>03370 - Concrete Curing (Contd.)</u> Plain concrete (C 18), 18 N/mm <sup>2</sup> at 28 day compressive strength with ordinary Portland cement complete as per specifications.				
3.11	Rubble concrete, 70% plain concrete and 30% rubble	2	m3		
	<b>Reinforced "watertight" concrete (C30), 30 N/mm<sup>2</sup> at 28 days compressive strength with ordinary Portland cement and additive materials and special ties complete as shown on drawings and as per specifications</b>				
3.12	Beds, to water tank	51	m3		
3.13	Walls, various thickness, to water tank	43	m3		
3.14	Suspended solid slab, 250 mm thick, to water	23	m3		
	<b>Reinforced concrete "C30", 30 N/mm<sup>2</sup> at 28 days compressive strength with ordinary Portland cement complete as per specifications</b>				
3.15	Strip foundations	125	m3		
3.16	Ditto, curved on plan	20	m3		
3.17	Equipment pads	6	m3		
3.18	Column bases	16	m3		
3.19	ground beams	13	m3		
		<b>To Collection</b>		<b>JD</b>	

**Bill NO. 3  
DIVISION 3  
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE (CONT'D)</b>				
	<u>03300 - Cast-In-Place Concrete (Contd.)</u>				
	<u>03370 - Concrete Curing (Contd.)</u>				
	<b>Reinforced concrete "C30", 30 N/mm2 at 28 days compressive strength with ordinary Portland cement complete as per specifications (Cont'd)</b>				
3.20	Slab on grade, 100 mm thick	326	m3		
3.21	Ditto, sloping	17	m3		
3.22	Slab on grade, 150mm thick	18	m3		
3.23	Steps	8	m3		
3.24	Ditto, curved on Plan	37	m3		
3.25	Columns	2	m3		
3.26	Ditto, circular	6	m3		
3.27	Walls, various thickness	182	m3		
3.28	Ditto, Curved on Plan	53	m3		
3.29	Arch Beams	21	m3		
3.30	Drop Beams	3	m3		
		<b>To Collection</b>		<b>JD</b>	

**Bill NO. 3  
DIVISION 3  
CONCRETE**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>CONCRETE (CONT'D)</b>				
	<b><u>03300 - Cast-In-Place Concrete (Contd.)</u></b>				
	<b><u>03370 - Concrete Curing (Contd.)</u></b>				
	<b>Reinforced concrete "C30", 30 N/mm2 at 28 days compressive strength with ordinary Portland cement complete as per specifications (cont'd)</b>				
3.31	Suspended solid slab, 120mm thick	31	m3		
3.32	Ditto, 250mm thick, slopping	57	m3		
3.33	Upstand beams	23	m3		
3.34	Upstand seat, curved on plan	2	m3		
	<b><u>03346 - Concrete Floor Finishing</u></b>				
	<b>Special steel trowelled finish concrete screed complete as shown on drawings and as per specifications</b>				
3.35	To floors	70	m2		
3.36	To walls	114	m2		
3.37	To soffits	70	m2		
		<b>To Collection</b>		<b>JD</b>	



**BILL NO. 3**  
**DIVISION NO. 4 - MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><b>MASONRY</b></p> <p><b>04100 - MORTAR</b> <b>04200 - CONCRETE MASONRY UNIT</b></p> <p><b>Hollow concrete blockwork in cement and sand mortar (1:4) including all cutting, bonding, control and expansion joint, bond beams and lintels complete as shown on drawings and as per specifications</b></p>				
4.1	100mm thick protection wall	380	m2		
4.2	Ditto, curved on plan	56	m2		
	<p><b>04450 - NATURAL STONE WORK</b> <b>First quality "Ajloun type" finish as shown on drawings , stone wall including cement and sand mortar bed and concrete backing, including special stones, heads, jambs, sills, arches, fins, external and internal angles, grooves, 4mm diameter galvanized steel anchors, cutting, pointing, fixings, fittings, accessories, mechanical fixings where required, stainless steel pins and galvanized steel wire mesh complete as shown on drawings and as per specifications (reinforced concrete works measured elsewhere)</b></p>				
4.3	To Walls, 250mm course height x 50mm	12	m2		
4.4	Ditto, curved on plan	7	m2		
4.5	To Walls, 250mm course high x 30mm	253	m2		
4.6	Ditto, curved on plan	206	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>MASONRY</b>				
	<b><u>04450 - NATURAL STONE WORK</u></b>				
	<b><u>(Contd.)</u></b>				
	<b>First quality (natural stone from site (to be selected under the Engineer supervision) stone wall cladding including cement and sand mortar bed and backing, all necessary fixings for special stones, heads, jambs, sills, arches, external and internal angles, fixings for grooves, all necessary wire ties, wire mesh and all fixings, fittings, accessories and pointing complete as shown on drawings and as per specifications</b>				
4.7	Stone cladding to walls, 50 mm thick	181	m2		
4.8	Ditto, curved on plan	40	m2		
4.9	Ditto, generator, transformer, pumping room and water tanks, walls	75	m2		
	<b>First quality (Ajloun type) stone coping including cement and sand mortar bed, fixings fittings, grooves, complete as shown on drawings and as per specifications</b>				
4.10	Coping, 100mm thick	67	m2		
4.11	Ditto, curved on plan	83	m2		
		<b>To Collection</b>		<b>JD</b>	

**BILL NO. 3  
DIVISION 4  
MASONRY**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p><b>COLLECTION</b></p> <p>Page No. 3/4/1</p> <p>Page No. 3/4/2</p>				
		<b>To Summary</b>		<b>JD</b>	







**BILL NO. 3**  
**DIVISION NO. 7 - THERMAL AND MOISTURE PROTECTION**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<p style="text-align: center;"><b>THERMAL AND MOISTURE PROTECTION</b></p> <p><b><u>07111 - Bituminous Membrane Waterproofing for Under Ground</u></b></p> <p><b>Approved water proof, cold applied, 1 mm thick, complete as shown on drawings and as per specifications</b></p>				
7.1	Horizontally	383	m2		
7.2	Vertically	408	m2		
	<p><b>Polyethylene water proofing sheet including all necessary fixings, fittings, complete as shown on drawings and as per specifications</b></p>				
7.3	Under Slab on Grade, 1000 gauge	241	m2		
	<p><b><u>07900 - Sealants</u></b></p> <p><b>Mastic sealant including making grooves and prepare surface to receive sealant complete as shown on drawings and as per specifications</b></p>				
7.4	Mastic sealant	17	m		
		<b>To Summary</b>		<b>JD</b>	

**BILL NO. 3**  
**DIVISION NO. 8 - DOORS AND WINDOWS**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>DOORS AND WINDOWS</b>				
	<b><u>08110 - STEEL DOORS</u></b>				
	<b><u>08111 - STANDARD STEEL FRAMES</u></b>				
	<b>Louvered steel doors and windows, comprising 45mm "U" shape steel frames welded with sub frame, 45 x 150 mm steel tube, 20 x 2 mm steel closure, 25mm "U" shape steel channel welded with 50mm "U" shape steel channel all around, 2mm louver, steel plate, 2mm steel louver, including all necessary fly screen, fixings, fittings, accessories, mastic, hardware and decorations, complete as shown on drawings and as per specifications</b>				
8.1	Type SD05, leaf size 1000 x 2000 mm	1	No.		
8.2	Type SD06, leaf size 2000 x 2000 mm	3	No.		
8.3	Type SD07, leaf size 3000 x 3000 mm	1	No.		
8.4	Type SD08, leaf size 6060 x 2000 mm	1	No.		
	<b>Louvered steel screen and frames, comprising 3mm steel plate welded with steel tube, 30 x 30mm steel tube, 20 x 30mm U-section, including all necessary fixings, fittings, accessories, decoration, fly screen and hardware, complete as shown on drawings and as per specifications.</b>				
8.5	Louvered steel , ref. SW3, size 165.50 x 2000mm high	1	No.		
		<b>To Summary</b>		<b>JD</b>	



**BILL NO. 3**  
**DIVISION NO. 10 - SPECIALTIES**

Item	Description	Quantity	Unit	Rate	Amount
				JD/Fils	JD/Fils
	<b>SPECIALTIES</b>				
	<b>Structural wool tent, consisting of wool tent cover, tension steel pipes, metal cables, 2 Nos. steel angles welded 50 x 50 x 5 mm cladded with hard wood, including all necessary concrete supports, posts, fixings, fittings, accessories, and decoration, complete as shown on drawings and as per specifications</b>				
10.1	Wool light brown tent, overall size 6000 x 5000 x 2100 mm high	8	No.		
		<b>To Summary</b>		<b>JD</b>	



**DEAD SEA PANORAMIC SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**

**BILL NO. 4 MECHANICAL WORKS**

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
D-15	Mechanical Works				
15.1	S&I Vitreous China concealed type EWC.	No.	13		-
15.2	S&I Vitreous China EWC for disabled.	No.	1		-
15.3	S&I Vitreous China urinals with auto flushing tank.	No.	5		-
15.4	S&I Vitreous China counter top wash	No.	13		-
15.5	S&I Vitreous China washbasin for	No.	1		-
15.6	S&I Stainless steel kitchen sink				
	a. Single bowl.	No.	2		-
	b. Double bowl.	No.	1		-
15.7	S&I UPVC drainage and vent pipes class (10 bar).				
	a. 50 mm diameter.	M.R	200		-
	b. 82.4 mm diameter.	M.R	60		-
	c. 110 mm diameter.	M.R	120		-
	d. 160 mm diameter.	M.R	225		-
15.8	S&I UPVC floor drain with strainer and UPVC cover.				
	a. 82.4 mm diameter outlet.	No.	4		-
	b. 110 mm diameter outlet.	No.	10		-
15.9	S&I Wall type clean out complete with stainless steel cover.				
	a. 50 mm diameter.	No.	1		-
	b. 110 mm diameter.	No.	5		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.10	S&I Floor type clean out.				
a.	110 mm diameter.	No.	1		-
15.11	S&I Under vanity clean out				
a.	50 mm diameter.	No.	4		-
15.12	S&I Grate and sump for the kitchen with stainless steel grate.				
a.	Size 2000x200x150.	No.	1		-
15.13	S&I Sewage manholes.				
a.	Depth less than or equal to 1.0m.	No.	8		-
b.	Depth from 1.0 to less than or equal	No.	2		-
c.	Depth greater than 1.5m to less than or equal 2.0m.	No.	4		-
e.	Depth of greater than 2.0m.	No.	1		-
15.14	S&I Water distribution box.				
a.	WDB1.	No.	1		-
b.	WDB2.	No.	1		-
c.	WDB3.	No.	1		-
d.	WDB4.	No.	1		-
e.	WDB5.	No.	1		-
f.	WDB6.	No.	1		-
g.	WDB7.	No.	1		-
15.15	S&I XLPE domestic water pipes.				
a.	16 mm diameter.	No.	250		-
b.	20 mm diameter.	No.	120		-
15.16	S&I Closed type electric hot water heater.				
a.	EHW1.	No.	2		-
b.	EHW2.	No.	3		-
c.	EHW3.	No.	1		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.17	S&I HDPE domestic water pipes class (16				
a.	90 mm diameter.	M.R	35		-
b.	75 mm diameter.	M.R	20		-
c.	63 mm diameter.	M.R	230		-
d.	50 mm diameter.	M.R	15		-
e.	40 mm diameter.	M.R	70		-
f.	32 mm diameter.	M.R	25		-
g.	25 mm diameter.	M.R	15		-
h.	20 mm diameter.	M.R	10		-
i.	16 mm diameter.	M.R	10		-
j.	12 mm diameter.	M.R	30		-
15.18	S&I Galvanized steel pipes (Class B).				
a.	65 mm diameter.	M.R	20		-
b.	80 mm diameter.	M.R	30		-
15.19	S&I Galvanized steel collectors for domestic water pumps.				
a.	100x1200 mm diameter.	No.	2		-
15.20	S&I				
a.	32 mm diameter with valve chamber.	No.	1		-
b.	50 mm diameter with valve chamber.	No.	1		-
c.	65 mm diameter.	No.	1		-
d.	80 mm diameter.	No.	1		-
e.	80 mm diameter with valve chamber.	No.	1		-
15.21	S&I variable speed water pump assembly consisting of two pumps complete with Gate, check valves, flexible connections, gauges and control				
a.	WPI.	Set	1		-
15.22	S&I Diaphragm type pressure vessel.				
a.	750 LTS.	No.	1		-
15.23	S&I Grate and sump for pump room.				
a.	Size 2000x300x400.	No.	1		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.24	S&I Schedule 40 seamless black steel pipes for fire protection network.				
a.	150 diameter.	M.R	70		-
b.	50 diameter.	M.R	20		-
c.	40 diameter.	M.R	280		-
d.	32 diameter.	M.R	40		-
15.25	S&I Galvanized steel Class B vent pipe for water tanks complete with insect	No.	2		-
15.26	S&I Fire pump set UL listed FM approved consisting of:				
a.	FP1.				
b.	FP2.				
c.	FP3.				
	Complete with all O.S & Y valves, check valves & anti vortex plates.	No.	1		-
15.27	S&I Butterfly valve (PN 16) for test line.	No.	2		-
15.28	S&I Approved type water meter for testing of fire protection pumps.	No.	1		-
15.29	S&I All pipes penetrating water and fire protection tanks complete with paddle flange.	L.S.	1		-
15.30	S&I Pillar type fire hydrant with hose and hose cabinet.	No.	1		-
15.31	S&I Fire hose reel cabinet with 6 kg fire extinguisher.	No.	6		-
15.32	S&I 4-way anodized aluminum ceiling supply diffuser.				
a.	SD-1.	No.	2		-
b.	SD-2.	No.	2		-
c.	SD-3.	No.	2		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.33	S&I Anodized aluminum supply linear slot diffuser.				
a.	LSD-1.	M.R	50		-
b.	LSD-2.	M.R	30		-
c.	LSD-3.	M.R	121		-
d.	LSD-4.	M.R	4		-
e.	LSD-5.	M.R	3		-
f.	LSD-6.	M.R	72		-
15.34	S&I Anodized aluminum ceiling return				
a.	RG-1.	No.	1		-
15.35	S&I Anodized aluminum return linear slot diffuser.				
a.	RLSD-1.	M.R	50		-
b.	RLSD-2.	M.R	30		-
c.	RLSD-3.	M.R	121		-
d.	RLSD-4.	M.R	4		-
e.	RLSD-5.	M.R	3		-
f.	RLSD-6.	M.R	72		-
15.36	S&I Anodized aluminum ceiling exhaust				
a.	EG-1.	No.	11		-
b.	EG-2.	No.	5		-
c.	EG-3.	No.	1		-
d.	EG-4.	No.	1		-
e.	EG-5.	No.	2		-
f.	EG-6.	No.	2		-
g.	EG-7.	No.	1		-
h.	EG-8.	No.	1		-
i.	EG-9.	No.	2		-
j.	EG-10.	No.	2		-
15.37	S&I Anodized aluminum fresh air louvers with sand trap and insect screen.				
a.	FLA-1.	No.	2		-
b.	FLA-2.	No.	1		-
c.	FLA-3.	No.	1		-
d.	FLA-4.	No.	2		-
e.	FLA-5.	No.	2		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.38	S&I In line duct mounted extract fans.				
a.	EXF1.	No.	1		-
b.	EXF2.	No.	1		-
c.	EXF3.	No.	1		-
d.	EXF4.	No.	1		-
e.	EXF5.	No.	1		-
f.	EXF6.	No.	1		-
g.	EXF7.	No.	1		-
h.	EXF8.	No.	1		-
i.	EXF9.	No.	2		-
j.	EXF10.	No.	2		-
k.	EXF11.	No.	2		-
15.39	S&I In line duct mounted fresh air fans.				
a.	FAF1.	No.	1		-
b.	FAF2.	No.	1		-
15.40	S&I Package-heat pump units.				
a.	PAC-1.	No.	2		-
b.	PAC-2.	No.	2		-
c.	PAC-3.	No.	2		-
15.41	S&I Split-heat pump units.				
a.	HP1.	No.	1		-
b.	HP2.	No.	1		-
c.	HP3.	No.	1		-
d.	HP4.	No.	1		-
e.	HP5.	No.	4		-
f.	HP6.	No.	1		-
g.	HP7.	No.	1		-
h.	HP8.	No.	1		-
i.	HP9.	No.	3		-
j.	HP10.	No.	4		-
k.	HP11.	No.	1		-
l.	HP12.	No.	1		-
m.	HP13.	No.	1		-
n.	HP14.	No.	1		-
<b>Total Carried to Collection</b>					-

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 15 Mechanical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
15.42	S&I Galvanized steel HVAC duct work.	M2	580		-
15.43	S&I Thermal insulation for HVAC duct	M2	550		-
15.44	S&I LPG gas bottles, 50 kg each.	No.	4		-
15.45	S&I LPG gas manifold with all valves pressure reducing valves, safety and alarm provision.	No.	1		-
15.46	S&I Factory insulated copper pipes Table- K for LPG network (PN16).				
	a. 50 mm diameter.	M.R	60		-
	b. 38 mm diameter.	M.R	10		-
	c. 22 mm diameter.	M.R	15		-
	d. 15 mm diameter.	M.R	10		-
15.47	S&I Sewage treatment plant	LS	1		-
<b>Total Carried to Collection</b>					-

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
DEAD SEA PANORAMIC COMPLEX**

**DIVISION 15.00**

Description	Amount J.D.
<b><u>Collection</u></b>	
Mechanical Works	
Page (D15/1)	-
Page (D15/2)	-
Page (D15/3)	-
Page (D15/4)	-
Page (D15/5)	-
Page (D15/6)	-
Page (D15/7)	-
<b>TOTAL Carried to General Summary</b>	<b>-</b>

**DEAD SEA PANORAMIC SUB-PROJECT**  
**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**VOLUME III**  
**BILL NO. 5 ELECTRICAL WORKS**

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
D-16	Electrical Works				
16.1	S&I The following main distribution				
a.	MDB.	No.	1		-
b.	EMDB.	No.	1		-
16.2	S&I The following submain distribution				
a.	ESMDB-A.	No.	1		-
b.	SMDB-B.	No.	1		-
c.	ESMDB-B.	No.	1		-
16.3	S&I The following motor control centers:				
a.	MCC1.	No.	1		-
b.	MCC2.	No.	1		-
c.	MCC3.	No.	1		-
16.4	S&I The following distribution boards:				
a.	DB-EXT.	No.	1		-
b.	DB-LB.	No.	1		-
c.	Dimmer panel.	No.	1		-
d.	DB-LC.	No.	1		-
e.	DB-LA.	No.	1		-
f.	DBA.	No.	1		-
g.	DBM.	No.	1		-
h.	DB-KIT.	No.	1		-
i.	DB-BASE.	No.	1		-
j.	DB-LD.	No.	1		-
k.	DB-GEN.	No.	1		-
16.5	S&I Earthing system for the following:				
a.	MDB.	L.S.	L.S.		
b.	EMDB.	L.S.	L.S.		
c.	ESMDB-A.	L.S.	L.S.		
d.	SMDB-B.	L.S.	L.S.		
e.	ESMDB-B.	L.S.	L.S.		
f.	Earthing system for Generator.	L.S.	L.S.		
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
16.6	S&I Internal lighting point.	No.	711		-
16.7	S&I The following lighting fittings:				
a.	M1.	No.	13		-
b.	M2.	No.	4		-
c.	M3.	No.	2		-
d.	S1.	No.	31		-
e.	S2.	No.	4		-
f.	S3.	No.	42		-
g.	S4.	No.	2		-
h.	S5.	No.	4		-
i.	P1.	No.	11		-
j.	H1.	No.	9		-
k.	H2.	No.	4		-
l.	H3.	No.	2		-
m.	H4.	No.	68		-
n.	H5.	No.	15		-
o.	H6.	No.	48		-
p.	H7.	No.	18		-
q.	H8.	No.	8		-
r.	H9.	No.	13		-
s.	F1.	No.	39		-
t.	F2.	No.	24		-
u.	F3.	No.	77		-
v.	F4.	No.	1		-
w.	F5.	No.	18		-
x.	F6.	No.	27		-
y.	F7.	No.	2		-
z.	F8.	No.	22		-
aa.	F9.	No.	14		-
ab.	F10.	No.	4		-
ac.	F11.	No.	352		-
ad.	F12.	No.	4		-
ae.	F13.	No.	8		-
af.	F14.	No.	29		-
ag.	150w metal halide fibre optic generator with color wheel.	Set	2		-
ah.	E1.	No.	20		-
ai.	E2.	No.	3		-
aj.	E3.	No.	18		-
ak.	I1.	No.	62		-
al.	I2.	No.	2		-
am.	I3.	No.	7		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

Item No.	Description	Unit	Quantity	Rate J.D.	Amount J.D.
16.8	S&I The following power point:				
a.	13A, 3 pin switched socket outlet.	No.	49		-
b.	Ditto. but water proof.	No.	2		-
c.	13A switched duplex socket outlet.	No.	17		-
d.	3 phase, 5 pin industrial socket outlet 32A with plug IP54.	No.	3		-
e.	Three phase isolating switch 30A, IP	No.	1		-
f.	Water heater feeding point.	No.	4		-
g.	3 phase exhaust fan power point.	No.	10		-
h.	Hand dryer, price include the point and the dryer.	No.	5		-
i.	13A, 3 pin switched socket outlet with RCD protection 30mA trip.	No.	20		-
16.9	S&I The following power point for A/C				
a.	Set of HPO1 and HPI1.	Set	1		-
b.	Set of HPO2 and HPI2.	Set	1		-
c.	Set of HPO3 and HPI3.	Set	1		-
d.	Set of HPO4 and HPI4.	Set	1		-
e.	Set of HPO5 and HPI5.	Set	4		-
f.	Set of HPO6 and HPI6.	Set	1		-
g.	Set of HPO7 and HPI7.	Set	1		-
h.	Set of HPO8 and HPI8.	Set	1		-
i.	Set of HPO9 and HPI9.	Set	1		-
j.	Set of HPO10 and HPI10.	Set	5		-
k.	Set of HPO11 and HPI11.	Set	1		-
l.	Set of HPO12 and HPI12.	Set	1		-
m.	Set of HPO13 and HPI13.	Set	1		-
n.	Set of HPO14 and HPI14.	Set	1		-
o.	PAC1.	No.	2		-
p.	PAC2.	No.	1		-
q.	PAC3.	No.	2		-
r.	Water pump feeding point.	No.	2		-
s.	Fire jockey pump feeding point.	No.	1		-
t.	Main fire pump feeding point.	No.	1		-
u.	Diesel fire pump feeding point.	No.	1		-
16.10	S&I The following cables:				
a.	4x70 + 1x35 mm <sup>2</sup> CU/PVC/SWA/PVC cable.	L.M	780		-
<b>Total Carried to Collection</b>					-

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
b.	4x35 + 1x16 mm <sup>2</sup> CU/PVC/SWA/PVC cable.	L.M	90		-
c.	4x240 mm <sup>2</sup> CU/PVC/SWA/PVC	L.M	40		-
d.	4x240 + 1x120 mm <sup>2</sup> CU/PVC/SWA/PVC cable.	L.M	20		-
e.	3x10 mm <sup>2</sup> for external lighting CU/PVC/SWA/PVC cable.	L.M	2135		-
f.	3x16 mm <sup>2</sup> for external lighting CU/PVC/SWA/PVC cable.	L.M	940		-
16.11	S&I				
a.	250kVA prime generator set.	Set	1		-
b.	Automatic transfer switch 4 pole	No.	1		-
16.12	S&I				
	Fire alarm point.	No.	75		-
16.13	S&I				
	The following addressable fire alarm system:				
a.	2 Loop control panel.	No.	1		-
b.	Smoke detector.	No.	45		-
c.	Heat detector.	No.	5		-
d.	Photooptical detector.	No.	3		-
e.	Manual call point.	No.	8		-
f.	Alarm sounder with strobe.	No.	8		-
g.	Control module.	No.	3		-
h.	Safety valve (gas room).	No.	1		-
i.	Monitor module.	No.	1		-
j.	Explosion proof smoke detector.	No.	1		-
16.14	S&I				
a.	10/30 PABX.	No.	1		-
b.	Main telephone box 10p.	No.	1		-
c.	Telephone outlet.	No.	18		-
d.	10 pair telephone cabinet.	No.	1		-
e.	10 pair telephone cable.	L.M	50		-
<b>Total Carried to Collection</b>					-

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
16.15	S&I				
a.	Security panel (2 zones).	Set	1		-
b.	Infra red motion detector.	No.	9		-
c.	Key pad.	No.	1		-
d.	External sounder.	No.	1		-
16.16	S&I				
	Sound System Rack (SSRM)				
a.	Amplifier 200w.	No.	2		-
b.	AM/FM tuner.	No.	1		-
c.	Double deck cassette player.	No.	1		-
d.	CD player (1 rack).	No.	1		-
e.	Paging desk with mic.	No.	1		-
f.	Ceiling loud speaker 6/15w.	No.	41		-
g.	Rack cabinet with glass door and fan.	No.	1		-
h.	Speaker point.	No.	41		-
i.	Wiring and conduits for SSRM.	L.S.	L.S.		-
16.17	S&I				
	Sound System Rack (SSRR)				
a.	Amplifier 200w.	No.	1		-
b.	Amplifier 60w.	No.	2		-
c.	AM/FM tuner.	No.	1		-
d.	Double deck cassette player.	No.	1		-
e.	CD player (1 rack).	No.	1		-
f.	Paging desk with mic.	No.	1		-
g.	Ceiling loud speaker 6/15w.	No.	8		-
h.	Compact type loudspeaker.	No.	4		-
i.	Projector type loudspeaker.	No.	4		-
j.	Speaker point.	No.	16		-
k.	Wiring and conduits for SSRR.	L.S.	L.S.		-
16.18	S&I				
	Audio-Video System				
a.	LCD projector.	No.	1		-
b.	8x1A/V switcher.	No.	1		-
c.	Motorized screen.	No.	1		-
d.	Scan convertor.	No.	1		-
e.	Video distribution amplifier.	No.	1		-
f.	Audio distribution amplifier.	No.	1		-
g.	Video patch panel.	No.	1		-
h.	Audio patch panel.	No.	1		-
i.	S-VHS video recorder.	No.	2		-
j.	Digital video scaler.	No.	1		-
<b>Total Carried to Collection</b>					<b>-</b>

**THE TOURISM SECTOR DEVELOPMENT PROJECT**

**Division 16 Electrical Works**

**Dead Sea Panoramic Complex**

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate J.D.</b>	<b>Amount J.D.</b>
k.	Double deck cassette player.	No.	1		-
l.	CD player (5 rack).	No.	1		-
m.	8 channel auto mixer.	No.	1		-
n.	AM/FM tuner.	No.	1		-
o.	Mixer.	No.	1		-
p.	Equalizer.	No.	1		-
q.	120/180w 100v amplifier.	No.	1		-
r.	Volume control 100w.	No.	1		-
s.	6w ceiling speaker.	No.	1		-
t.	15w column speaker.	No.	4		-
u.	Wireless audience mic.	No.	2		-
v.	Wireless lavalier mic.	No.	1		-
w.	Goose neck chairman's mic.	No.	1		-
x.	Goose neck participants mic.	No.	3		-
y.	Camera outlet including cables and conduits.	No.	2		-
z.	TV outlet including cables and	No.	1		-
aa.	Wiring and conduits for the audio-video system.	L.S.	L.S.		-
ab.	Speaker point.	No.	5		-
16.2	S&I Infra red simultaneous translation				
a.	IR transmitter.	No.	1		-
b.	IR receiver.	No.	50		-
c.	Headphones.	No.	50		-
d.	Radiators 6w each.	No.	4		-
e.	Multi-channel interpreter's board.	No.	4		-
f.	Interpreter headphone with mic.	No.	4		-
g.	Battery charger case (for 50 receiver).	No.	1		-
h.	Wiring, cables, conduits, boxes of the infra red simultaneous translation	L.S.	L.S.		-
16.20	S&I Empty conduits and pull boxes with pull wires for master central antenna and satellite system.	L.S.	L.S.		-
16.2	S&I Suspended single phase spot track (3 kw load).	L.M	96		-
16.2	Costs and fees of power supply work by Electric company(provisinal sum)	LS	1	69,200.00	69,200.00
<b>Total Carried to Collection</b>					

**THE TOURISM SECTOR DEVELOPMENT PROJECT  
DEAD SEA PANORAMIC COMPLEX**

**DIVISION 16.00**

Description	Amount J.D.
<b><u>Collection</u></b>	
Electrical Works	
Page (D16/1)	
Page (D16/2)	
Page (D16/3)	
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<b>TOTAL Carried to General Summary</b>	