

ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (\$)	AMOUNT (\$)
Preamble					
<p>The contractor must consider in his price the following items:</p> <p>The contractor will not ask for any compensations due to change in the US\$ rate, materials prices, workmanship prices, etc.</p> <p>1. The contractor MUST sign and stamp on each document and include within his closed envelop. If the documents are not included, the offer will be excluded.</p> <p>2. Provide office facilities for the supervision engineer on site as specified per general and special conditions including furniture, equipment stationary consumables and maintenance. The office shall be provided within 1 week from the date of commencement until one month after the Taking over Certificate..</p> <p>3. Provide 3 Main Signboards as specified per general and special conditions installed within 1 week from the date of commencement at locations agreed with the Engineer, maintained until the end of the Defects Liability Period, and then removed.</p> <p>4. The Contractor shall submit to the supervisor Engineer after signing the contract (Maximum one week), three Hard Copies of all detailed Design Drawings (Paper size is A2+A3 upon engineer satisfaction).</p> <p>5. The Contractor shall submit to the Engineer or his Representative an approved one electronic set (AutoCAD Program) and 5 printed sets of As-Built Drawings including all drawings, exact levels of the executed works required according to General Conditions, Specifications, Drawings and Contract Documents. The As-built drawings shall include the actual coordinates of all structures and facilities (X, Y, Z) according to all requirement of Al Zahra Municipality.</p> <p>6. All Team Staff as described in General and specific condition and the MoM of the pre-bid meeting.</p> <p>7. Others as described in all tender documents (SEEN OR UNSEEN). If there is any discrepancy in tender documents, the contractor must consider it in his price which is completely his responsibility.</p>					
BILL 01 - civil works					
	<p>**The contractor must submit a detailed shop drawing for the Manholes and the soak ways along with calculation in accordance with the proposed design to this tender. the capacity of the manhole must not be less than 30 m3 ** The contractor must make detailed inspection of the infrastructure for the location of drilling of the soak away system before start of works and this has to be with close cooperation with the Al Zahra municipality. the contractor will be responsible for any damages and will fix the damage and retain to the original status</p> <p>** All concrete items shall be Implemented and approved according to drawings, specifications, conditions and as directed by the Engineer or his representative. All the following items shall be included in the prices but not limited to:</p> <p>1. Excavation to the assigned level, backfilling, hunching and making good according to specification ,drawing labor, supports, tie rods, spacers, shaping and fixing, testing of cement and concrete, supply and placing of concrete, workmanship.</p> <p>2. The contractor must submit shop drawings for engineer's approval before starting any works.</p> <p>3. The contractor shall provide, erect, and maintain all safety measures requirements according to specifications, local laws and engineer's instructions.</p> <p>4. Any design faults and discrepancies must be reported to the engineer and any design corrections shall be incorporated in the prices.</p>				
1.1	CONCRETE:				
1..1.1	Supply, drill and construct soak away manholes complete 250 cm internal diameter depth up to 6 m built by solid block with 60cm cast iron cover (25 tons capacity), frame, rings, and special joint required to fix the drainage pipes to the manhole. The item also includes B300 benching, shuttering, excavation in any type of soil to any depth, Ground beam 50*25 cm , and (Macadam of 64-150mm size) about the soak away manhole's, reinforced concrete slab 20 cm and two external hot bitumen coating, and back filling in layers 25cm maximum using suitable material (Kurkar) with watering, and compaction to 98% MDD. The price includes performing the works according to drawings and specification. The price shall include supply and lay non-woven geotextile membrane with 300 gm./m ² weight and according to specifications to protect the inner surface and for surface areas, and manholes perimeter	No.	8		

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1.1.2	Drill 80 cm diameter borehole through cohesive and non-cohesive material up to 5 meters below the clay layer in the Kurkar layer as shown in the drawings and as directed by the engineer. Price shall include all needed accessories required to perform the work. The price shall include supply and lay non-woven geotextile membrane with 300 gm./m ² weight and according to specifications to protect the inner surface and for surface areas, and manholes perimeter of the 80 cm diameter borehole. The price includes performing the works according to drawings and specification.	LM	150		
1.1.3	Supply and fill in boreholes solid, clean washed, and free from dust gravel of at least 2" size.	M ³	100		
1.1.4	Ditto but ¾" aggregates	M ³	6		
1.1.5	Ditto but ¼" aggregates	M ³	68		
1.1.6	Supply and construct in site reinforced concrete septic tank (B300) 4m length * 2.4 width * 2.5 m depth and details as shown on the drawings. The price shall include construct wall, reinforced concrete Ground slab 20cm and reinforced concrete slab 20 cm contain one access opening (60cmx60cm) with cast iron cover (25 ton type). Price also include the plastering for walls and slab, excavation and back filling in layers of 25cm maximum using suitable material (Kurkar) with watering, and compaction to 98% MDD . The price includes performing the works according to the drawings and specification.	No.	8		
1.1.7	Supply and installation works of rainwater gully traps made of B300 reinforced concrete , size (80 * 40 cm), three openings for rainwater drainage, according to the drawings and instructions of the Engineer. The price includes the cast iron steel cover, of 25 tons , and the price includes excavation and backfilling with clean sand from and compaction, all laboratory tests and all what is needed for collection and transfer of water to the nearest network determined by the supervising engineer using 8 inch diameter pipes.	No.	1		
Sub-total - BILL 01 - civil works					

ITEM No.	DESCRIPTION	UNIT	QTY.	RATE (\$)	AMOUNT (\$)
BILL 02 -Mechanical works					
	<p>The exact lengths of the required pipes, the exact number of the required valves and the exact quantities of concrete will be determined during the implementation of the Works.</p> <p>Price should include all excavation, backfilling, supporting of trenches and all associated works.</p> <p>Price should include all required fittings and accessories to complete the works and to make the connections to the manholes Including sealing, sleeves, and any other type of fittings to the engineer's satisfaction.</p> <p>he works include inspection and placing PVC strainers for each outlet on the rooftops of the buildings for the rainwater collection pipes and the vents on the parapet walls, and flow testing of the existing pipes before the connecting to the new system.</p> <p>The contractor shall provide all required manufacturing certificates and dates of manufacturing before supply of any material for the approval of the engineer.</p> <p>The price includes supply, lift to position, install and test; hidden in walls, berried in concrete, berried in soil, under tile, exposed, suspended or in shafts, Siksik or Kholyot UPVC pipes, complete with all required and necessary Kholyot or European made (Tees, Elbows, Y type Tees, Vent Caps, Clean Outs, Mesh for rain pipes ...).</p> <p>Price shall include all related works (Cutting of concrete or asphalt , reistaling of tiles/curbstones, excavating, drilling in manholes, filling with fine sand, covering with concrete layer or bitumen asphalt and reinstatement work to original condition ...) as per specifications, drawings, international standards, local regulations and engineer satisfaction. the contractor shall be responsible for replacing defected tiles/curbstones with new approved ones.</p>				
2.1.1	<p>Supply, install and test, 4" SN8 UPVC pipes to connect from the discharge of the rooftops collection rainwater 3" pipes to the soak away manholes. this item includes making the required protection as shown in the drawings for the connection between the exit of the rainwater pipe to the new constructed storm water collection network as shown in the drawings with all required excavation and reinstatement to the engineer's satisfaction.Reinstatement of all paving works to the state before removing and filling all gaps with approved materials this includes replacement or installation of new interlock tiles.</p> <p>This also includes reinstatement of aprons with B200 concrete. The work includes supply and Installation and fixing galvanized steel sheet with a thickness of 1 mm as a protection for the pipe in the visible areas with dimensions of 15 cm * 15 cm and fixing it to the walls according to the Engineers Instructions to complete the connection according to the attached drawings.</p>	LM	1000		
2.1.2	Supply, install and test, 6" SN8 UPVC pipes to connect from the collection manholes to the septic tank. the work Includes Installation of 60 cm manhole with all required benching and openings to collect the water from the 4" pipes.	LM	400		
2.1.3	Supply, install and test, 8" SN8 UPVC pipes to connect from the septic tank to the soak away manhole.	LM	150		
2.1.4	Supply and install pre-cast reinforced concrete manhole B200 of internal diameter 60 cm depth up to 1.5m,walls ,foundation and slab thickness 10cm according to the required level, with iron cover with frame 40cm opening, 5 ton bearing capacity, including excavation, backfilling, hunching and making good according to specification ,drawing, and the engineer instructions. .	No.	120		
Sub-total - BILL 02 - Mechanical works					

Summary

Item	Description	Total (Us \$)
1	Bill 01 - civil works	
2	Bill 02 - Mechanical works	
VAT(0%)		
TOTAL		

Total in numbers

Total in letters

Name of the contractor

Authorized signature

Signature and Sealing.....

Title

Telephone.....

Fax

Mobile