

**CONSTRUCTION OF IRRIGATION CANALS IN MQAITAA,
QAABARINE, KFARMALKE, RMOUL, KLAIAAT IN SAHEL AKKAR**

Bill 2: Rectangular main canal in Moqaitaa.



Total Summary



PRICE SUMMARY

Amount (U.S.\$)

TOTAL PRICE

(Total Price in Words) U.S. DOLLARS:

GENERAL REQUIREMENTS

Item	Description	Qty.	UNIT	Unit Price US.\$.	Total Price US.\$.
A	<p><u>General</u> These Preliminaries are applicable to the whole of the works. If the Tenderer wishes to price any of the items contained herein, then each such item, clause, or sub-clause must be individual priced. Lump sums covering more than one item shall not be inserted. Preliminary prices shall not be adjusted in the event of any changes to the Contract Price due to variations. Where any item, clause or sub-clause has not been priced, the value of such shall be deemed to be included in the rates for measured items elsewhere in the Bill of Quantities.</p>				
B	<p><u>As-Built Drawings</u> The Contractor shall allow for providing 'As-Built' drawing in accordance with the General Specification.</p>	1	ITEM		
C	<p><u>Workshop Drawings</u> The Contractor shall allow for providing shop drawings as specified for the disciplines under the relevant Sections.</p>	NIL	ITEM	NIL	
TO COLLECTION					
A	<p><u>Permits, Etc.</u> The Contractor shall allow for obtaining all permits necessary for carrying out the works. The Contractor shall allow for obtaining all documentation necessary for the timely provision of labour, plant and materials used for the works.</p>	NIL	ITEM	NIL	
B	<p><u>Protection of Services and Cables</u> The Contractor shall ascertain the position of and protect or divert as necessary all service lines and cables on or adjacent to the site as required by the Engineer.</p>	NIL	ITEM	NIL	
C	<p><u>Performance Bond</u> The Contractor shall allow for providing a Performance Bond in accordance with Clause 10 of the General Conditions of Contract. The Bond shall be in accordance with the proforma in the Instructions to Tenderers Section. The Bond shall be raised through the local branch of an approved surety and shall be lodged with the Employer prior to the start of the works.</p>	1	ITEM		
D	<p><u>Site Office</u> The Contractor shall provide and maintain site office for Engineer complete with all furniture and related work.</p>	NIL	ITEM	NIL	

E	Water and Electricity Water for the Works shall be provided by the Contractor. The Contractor shall make all necessary provisions for transporting water to the site including connections, pumps, pipework and storage facilities if necessary. Electricity shall be provided by the Contractor and the cost of providing generators, fuel, maintenance, etc.	NIL	ITEM	NIL	
TO COLLECTION					
A	Notice Boards Allow for providing and installation of substantial site notice board size 2.40 x 3.00 m as specified and to the approval of the Engineer.	1	ITEM		
B	Samples and Testing The Contractor shall allow for providing all samples of materials and workmanship required by the Engineer. The Contractor shall allow for testing all materials as required by the specifications or directed by the Engineer. The Contractor shall apply all test certificates and other documentation necessary to prove the suitability of materials for incorporation	1	ITEM		
C	Insurance The Contractor shall provide the insurance cover described elsewhere in the Contract documents and shall submit to the Engineer, certificates and receipts for premiums as required as proof of this cover.	NIL	ITEM	NIL	
D	Other Contractors The Contractor shall liaise and cooperate with other Contractors and afford them all reasonable opportunity for carrying out their work.	NIL	ITEM	NIL	
TO COLLECTION					
A	Plant The Contractor shall keep the Site in a clean and safe condition including the orderly and tidy storage of materials, regular and prompt removal of rubbish and debris as it appears and the immediate removal from the construction area and tidy stacking of scaffolding and shuttering after used. The Contractor shall protect works from the effects of the weather and subsequent operations by the provision of dust sheets, barriers, etc. to the satisfaction of the Engineer. The Contractor shall clear away all temporary works at completion and shall make good all work	NIL	ITEM	NIL	
B	Safety and Security The Contractor shall comply with the requirements of all safety regulations in force and ensure that his work-force, sub-contractors and any other persons engaged on the Works also comply with their requirements. The Contractor shall allow for all necessary watching for the security of the Works and the protection of the public. The Contractor shall provide all warning signs, barricades, screens,	1	ITEM		
C	Setting up the Site The Contractor shall allow for setting up the site including site investigation, surveying and setting out and for providing the Engineer with instruments and men for checking these operations. The Contractor shall provide, maintain and eventually remove site offices, huts, toilets, storage facilities and the like for his own workforce and subcontractors. The Contractor shall allow for providing temporary	NIL	ITEM	NIL	

D	Care of the Site The Contractor shall keep the Site in a clean and safe condition including the orderly and tidy storage of materials, regular and prompt removal of rubbish and debris as it appears and the immediate removal from the construction area and tidy stacking of scaffolding and shuttering after used.	NIL	ITEM	NIL	
E	Protection of Existing Adjoining Structures The Contractor shall take all necessary measures to protect existing adjoining structures from any damage resulting from the execution of the works.	NIL	ITEM	NIL	
F	Description Generally The description included in the Bills of Quantities to describe the workmanship and materials necessary for each item are not necessarily complete. The Tenderer is referred to the Specifications, Conditions of Contract and other documents and the Drawings for further information concerning the works and no claim or variation will be considered on account of his failure to acquaint himself with such information.				
TO COLLECTION					
A	Measurement Generally All Quantities contained within these Bills of Quantities are intended to give a reasonable indication of the works shown on the drawings. The Contractor must check all quantities and allow in his rates for any changes or mistakes. Unless otherwise stated, all work has been measured nett as fixed in its place with no allowance made for laps or waste. Generally, in setting down dimensions in the Bills, the sequence is length width-height. All				
B	Pricing Generally Any arithmetical errors made by the Contractor in extensions or totals in the Bills of Quantities shall be corrected. The Contractor will be required by the Engineer to produce a detailed breakdown of all his rates prior to the signing of the Contract. The Contractor shall liaise on this matter with the Engineer's representative. The Contractor should price all items he considers have a value. If any items are not priced by the Contractor they will be deemed to be of the other				
C	Conditions of Contract The Contractor shall allow for complying with the General and Special Conditions of Contract and any other obligations not included elsewhere in the Tender Documents.				
D	Setting up the Site The Contractor shall allow for setting up the site including site investigation, surveying and setting out and for providing the Engineer with instruments and men for checking these operations. The Contractor shall provide, maintain and eventually remove site offices, huts, toilets, storage facilities and the like for his own workforce and	NIL	ITEM	NIL	
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C	Conditions of Contract The Contractor shall allow for complying with the General and Special Conditions of Contract and any other obligations not included elsewhere in the Tender Documents.				
TO COLLECTION					
Total Sum					
Bill of Quantities (BOQ)					
Notes	The below quantities are subject to increase or decrease as per the reality and need on site. The prices offered in the case of any change in the numbers shall stay fixed as per the unit price provided by the contractor.				
	All material quality and type shall comply with the attached specification				
	Payments will be than performed in accordance to the work progress report submitted by the contractor and approved by the technical/ field officer.				
Item	Description	Qty.	Unit	Unit Price US.\$.	Total Price US.\$.
I	Topographic survey				
I.1	Topographic survey	1.40	km		
TO COLLECTION					
II	Excavation and backfilling around wall canal				
II.1	Trench excavation minimum depth of trenches 180 cm, width 140 cm. The price shall consist of the excavation and disposal of all materials of whatever type encountered in the work. Works include breaking, removal and disposal of existing concrete or asphalt surfaces. It shall include but not be limited to excavation for roads, and manholes, etc... the price shall also include removing from the site and carting away to approved dumping sites of all excavated material that are not used for filling or backfilling. the price shall also include back filling suitable material	4,200.00	m3		
TO COLLECTION					
III	Backfilling				
III.1	Granular compacted gravel basecourse layer under canal ; 200mm	600	m3		
III.2	Rip rap Material for canal works thickness 30cm, gradation 10-30cm as per drawings.	900	m3		
TO COLLECTION					
IV	Concrete Works (RCC and PCC)				

IV.1	Cast in place concrete and concreting as specified and detailed, installed complete; Including formwork and shuttering, rebates, chamfers, grooves, mortices, block- outs, openings and the like; reglets, ties, waterstops and other inserts; expansion, control and construction joints; basic formed finishes and unformed surface finishes; and all other related ancillaries as indicated or required. Plain concrete; ordinary Portland cement ; all material costs shall include transportation, loading and unloading costs				
CONCRETE RECTANGULAR CANAL 100x100ht					
	Ready Mix-Reinforced concrete; Class A sulphate resisting cement of thickening 17cm for footing and 17 cm for wall with reinforcement steel as per drawings; The total quantity is 450m ³ consisting of the below mixture	840.00	m ³		
	- Steel	130.0	ton		
	- POLYANE FILM	2700.0	m ²		
TO COLLECTION					
BOX CULVERT 100Wx100H					
V.2	Reinforced concrete; Class A sulphate resisting cement of thickening 20cm for footing and 17 cm for wall with reinforcement steel as per drawings; The total quantity is 26.1 m ³ consisting of the below mixture	26.1	m ³		
	- Steel	4.5	ton		
	- POLYANE FILM	50.0	m ²		
TO COLLECTION					
VI	Slide gates				
VI.1	Slide gate rolled steel 8 mm with 3 layers anti rust coat. Size 1mx0.5m. The price includes a 2 frames (one frame parcel side and second frame along the channel). The price covers the supply, installation of the gate, chain and frame. For details see drawings.	20.0	nb		
Vii	Supply and installation of R.C pipes including protection, Work includes supply, installation and protection for pipes and fittings, excavating, backfilling, thrust blocks, leakage tests, operation surveying works and all necessary works as per specifications for the following pipe diameters:	20.0	l.m		
TO COLLECTION					
SUM TOTAL					