

**ISLAMIC RELIEF PAKISTAN**



**Lining and Rehabilitation of Irrigation Channel at Burj Nasir Khan-Annexure-A**

S.No	Items & Specification	Item Brand	Quantity	Unit	Unit/Rate	Total Amount
1	<b>Excavation, Clearance, Dressing &amp; Leveling of Bed</b>					
a	Earth excavation in open cut upto 1.5m depth for drains, pipes etc. & disposal : in Hard Soil to design section and re-use of excavated material for backfilling/borrow material if required properly compacted as per the instruction of engineer in charge		10033.68	Cft		
2	<b>Formation, dressing, compacting and preparing sub-grade in bed as per Engineer instructions</b> <b>Bed clearance and dressing slopes of channels/Water transport structures (Nacka's) including removing of weeds and roots etc. Excavated material should be dressed within 100m lead</b>		7416.00	Sft		
3	Sand fill in bed of irrigation channel		600.00	CFT		
4	<b>Plain Cement Concrete including placing, compacting, finishing &amp; curing (Ratio 1:4:8)</b>					
a	Providing and laying Plain cement concrete including shuttering, maxing, placing, compacting, finishing (nominal mix ration 1:4:8) (the crush must be well graded, free from mud and dust and the sand will be fine & clear from mud/dust) as in bed, foundations complete in all respect. Required crushing strength must be not less than 1800 psi.		857.00	Cft		
5	<b>PCPS Segments Providing and laying Pre-cast parabolic segments, moulded with cement concrete 1:1-1/2:3, 2" wall thickness , including lowering in water channels to correct , alignment and grade, jointing, finishing where necessary, etc. complete in all respects</b>					
a	Class "Sp D " having top width 24", DepthX 14" , length 36",		1200.00	Nos		
6	<b>Filling of Segment joint with CSM 1:4 (Filling of joints with cement sand mortars 1:4 with neat and clean finishing complete in all respect.)</b>					
a	Class "Sp D " having top width 24", DepthX 14" , length 36",		3297.25	RFT		
7	<b>Plain Cement Concrete including placing, compacting, finishing &amp; curing (Ratio 1:2:4)</b>					
a	Providing and laying plain cement concrete including shuttering, placing, compacting, finishing and curing (Nominal mix ration 1:2:4) in foundation under walls and pipe culverts etc. Maxing of concrete ingredients must be on a surface which having zero water absorption capacity like concrete floor or thick polythene sheet etc.		836.39	Cft		
8	<b>Back filling on embankments of PCPS from out side Materials</b>					
a	Back filling on embankments of PCPS & Existing pipe channel from excavated/locally available earth or materials		3600.00	CFT		
9	<b>Plain Cement Concrete including placing, compacting, finishing &amp; curing (Ratio 1:2:4)</b>					
a	Providing and laying plain cement concrete including shuttering, placing, compacting, finishing and curing (Nominal mix ration 1:2:4) in foundation under walls and pipe culverts etc. Maxing of concrete ingredients must be on a surface which having zero water absorption capacity like concrete floor or thick polythene sheet etc.		836.39	CFT		
10	<b>Plum Concrete Retaining Wall</b>					
a	PCC 1:3:6 in mass concrete less formwork using 30% boulders		80.000	Cft		
11	<b>RCC Pipes for culvert</b>					
a	Internal dia 18"		4.00	No		
b.	Internal dia 24"		14.00	No		
12	<b>Frame Nacka with cover</b>					
a.	Providing and installation of good quality Frame Nacka 18" with cover.		60.00	No		
b.	Providing and installation of good quality Frame Nacka 12" with cover.		120.00	No		
13	<b>Brick Work in (1:4 CSM)</b>					
a	1st class brick work other than building upto 10 ft. height : Cement, sand mortar 1:4 First class burnt brick masonry in 1:4 cement sand mator , comprising 9" and above thick as in start point of channel, Nacka structures and culverts complete in all respects.		375.000	Cft		
14	<b>Plaster work in 1:4 CSM</b>					
a	Cement plaster in 1:4 CSM 1/2" upto 20' height including curing, Shuttering complete in all respect		1090.00	Sft		
15	<b>Plantation on sides of channel</b>					
a	Providing and planting of plants (walnut or Olive) whichever is feasible for proposed area of 2 years age.		200.00	No		
16	<b>Sign Board</b>					
a	Providing and installation of Sign Board size of 4'X3' internal size using 18gauge steel sheet , 16 gauge MS pipe 1.5" dia as in frame of size 4.5' x 3.5' & 5' height foots with cross angel iron double strips of 1 feet length, writing of given data double side with IR logo) and minimum 6x numbers of wall chalking of given data with IR logo complete 5' X 8' size on the near by wall with paint or as directed by Engineer.		1.00	No		
<b>Grand Total (Inclusive of all Govt Applicable Taxes with Transportation and Installation)</b>						