Annex-A

Supply of Material and Construction/Rehabilitation of Causeway and Flood Protection Wall at VC 17 Sufaid Sund District Peshawar.

Abstract of Cost

S.No	Items & Specification	Quantity	Unit	Brand Offered	Unit Rate	Total Amount
1	**Site clearance, setting out and layout of causeway alignment including removal of vegetation, marking of levels and line**					
a	**In Causeway**	1560.00	SFT			
2	**Excavation in Ordinary/shingle soil including dressing & levelling (done by machinery) as per Engineer incharge instructions: Causeway**					
a	In Causeway	1440.00	CFT			
b	In Apron U/S	1440.00	CFT			
c	In Apron D/s	1080.00	CFT			
d	Wingwall	250.00	CFT			
e	Extra excavation for pipe seat, side dressing, water diversion and working space	1000.00	CFT			
3	**Plum Concrete in PCC 1:3:6 using approved quality cement, sand and graded aggregate mixed with 30% approved hard stone boulders/plums by volume, including mixing, laying, placing, compacting, rodding, leveling, finishing and curing complete in all respects, excluding formwork/shuttering, as per approved drawings, Engineer's instructions**					
a	In Causeway	1440	CFT			
b	In Apron U/S	1440	CFT			
c	In Apron D/s	1080	CFT			
d	In Wing walls	1250	CFT			
4	**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**					
a	Causeway	2730.32	CFT			
5	**Providing, supplying and laying 36 inch dia RCC Hume Pipe, Class C, 6 ft long, conforming to approved standard, including carriage, lowering, laying in proper line and level, jointing with cement mortar, curing and all allied works complete in all respects as directed by the Engineer.**					
a	RCC Pipes 3' dia	30.00	No			
6	**Providing and laying RCC 1:2:4 in bottom slab, 6 inch thick, below RCC pipes, including mixing, placing, compacting/vibrating, leveling, finishing and curing complete in all respects as per drawing and direction of Engineer, excluding reinforcement steel and formwork.**					
a	For Bottom Slab	360.00	CFT			
b	For top slab	240.00	CFT			
7	**Supplying, cutting, bending, binding and placing Grade 40 deformed steel reinforcement bars in RCC top slab, bottom slab and RCC web/columns between RCC pipes, including main bars, distribution bars, column main bars, stirrups/ties, binding wire, chairs, spacers, laps, hooks, wastage, fixing in proper position, maintaining required cover and all allied works complete in all respects as per drawing and direction of Engineer.**					
a	Top RCC slab Main bars ½ inch dia / 12 mm Grade 40 deformed bars @ 6 inch c/c	453.72	Kg			
b	Top RCC slab Distribution bars ½ inch dia / 12 mm Grade 40 deformed bars @ 6 inch c/c	439.20	Kg			
c	Bottom RCC slab Main bars ½ inch dia / 12 mm Grade 40 deformed bars @ 6 inch c/c	453.72	Kg			
d	Bottom RCC slab Distribution bars ½ inch dia / 12 mm Grade 40 deformed bars @ 6 inch c/c	439.20	Kg			
e	RCC web/column between pipes	135.51	Kg			
f	Stirrups/ties in web/column	116.72	Kg			
8	**SupBackfilling behind wing walls and approach road connection using approved available/common excavated material, laid in 6 inch layers, watered and compacted properly, including dressing, leveling, slope formation and smooth connection with existing unpaved village road, complete in all respects as directed by the Engineer.**					
a	For approach road	3600.00	CFT			
b	For wingwall	1200.00	CFT			
c	For Flood Protection wall	3840.00	CFT			
9	**Providing and maintaining temporary diversion of stream/nullah water during construction, including earthen bund/coffer dam, diversion channel, sand bags, dewatering/pumping where required, maintaining dry working condition and removing temporary works after completion, complete in all respects as directed by the Engineer.**					
a	Temporary earthen bund/	360.00	CFT			
10	**Dewatering/pumping of water from excavation and working area using suitable pump, including operator, fuel, suction/delivery pipe and maintaining dry working condition during construction**					
a	Dewatering/Pumping of water	10.00	Day			

S.No	Items & Specification	Quantity	Unit	Brand Offered	Unit Rate	Total Amount
11	**Providing and weaving G.I wire netting for wire crates/gabion crates using 8 SWG G.I wire with 6 inch × 9 inch mesh, including edge wire, lacing, tying, shaping, placing in apron, filling with approved hard durable stones/boulders and closing the crates complete in all respects as directed by Engineer.**					
a	1st Step	2965.20	SFT			
b	2nd Step	2112.60	SFT			
c	Apron	1522.50	SFT			
	For Flood Protection wall					
	Apron	2152.50	SFT			
	1st Step	2083.20	SFT			
	2nd Step	1730.40	SFT			
	3rd Step	1377.60	SFT			
	4th Step	1024.80	SFT			
12	**Providing and filling approved hard durable stones/boulders in G.I wire crates/gabion crates, including hand packing, placing larger stones on exposed faces, filling voids with smaller stones, proper dressing, closing and tying of crates, complete in all respects as directed by the Engineer.**					
a	1st Step	2400.00	CFT			
b	2nd Step	1200.00	CFT			
c	Apron	1500.00	CFT			
	For Flood Protection wall					
d	Apron	2000.00	CFT			
e	1st Step	2560.00	CFT			
f	2nd Step	1920.00	CFT			
g	3rd Step	1280.00	CFT			
h	3rd Step	640.00	CFT			
h	4th Step	13500.00	CFT			
13	**Signboard**					
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			
Grand Total (Inclusive of All Govt. Applicable Taxes, labour, material supply, loading/unloading, Transportation and Installation, if any)						