

6. Bill of Quantity

Reconstruction of Underground Water Tank for Football Ground

S. No	Description of Items	Unit	Quantity	Rate Rs.	Amount Rs.
	SECTION A				
	SCHEDULE RATE ITEMS BASED ON CSR (SINDH) 2024				
1	<u>Excavation and Backfilling</u>				
	Excavation in foundation of Building Bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. , lead upto one chain (30 metre) and lift upto 5 ft. (1.5 metre).				
a	In ordinary soil.	Cft	755	11.88	8,969.40
2	<u>Dismantling of Block Masonry</u>				
	Dismantling cement block masonry	Cft	380	50.70	19,266.00
3	<u>Dismantling of Concrete</u>				
a	Dismantling cement concrete plain 1: 2: 4:	Cft	96.0	133.08	12,775.68
b	Dismantling cement concrete reinforced separating reinforced cement from concrete cleaning and straightening the same.	Cft	96.0	229.72	22,053.12
4	<u>Cast-In-Place Concrete.</u>				
	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering.				
A	Ratio. 1: 4 :8	Cft	110.0	348.83	38,371.30
B	Ratio. 1:2 :4	Cft	65.0	443.54	28,830.10
5	<u>Reinforced cement concrete work</u>				
	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing. (including screening and washing of shingle.)				
A	R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.				
i	Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge.	Cft	500.0	717.59	358,795.00
6	<u>C.C. Finish Floor in C20.</u>				
	Providing and laying 1" thick topping of cement concrete (1:2:4) including Surface finishing and dividing into panels:				
a	3" thick	Sft	65.0	145.00	9,425
7	<u>Concrete Block Masonry</u>				



	Providing and laying 1 : 3 : 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc, complete.	Cft	20	514.82	10,296
8	Concrete Pre-Cast Slab				
	Erecting and fixing in position precast cement concrete or stone charges. slab in roofs or lintels, etc, lift upto 20 feet including all charges.	Cft	4	126.23	505
9	Cement Plaster 1:4				
	Cement plaster 1:4 upto 12' height.				
a	3/4" thick.	Sft	100	53.82	5,382
10	Fluid applied waterproofing.				
	Bitumen coating to plastered or cement concrete surface.	Sft	380.0	21.83	8,295
TOTAL AMOUNT OF SCHEDULED ITEMS CSR 2024 (CIVIL WORKS)				PKR	522,964.32
ADD PREMIUM/REBATE (- %) 100%				PKR	52296.43
(A) TOTAL AMOUNT OF SCHEDULED BASED ITEMS CSR 2024 (INCLUDING PREMIUM/REBATE)				PKR	470 667.89
SECTION B					
NON-SCHEDULE RATE ITEMS (BASED ON PREVAILING MARKET RATES)					
1	Reinforcement Bars.				
	Supply, cut, bend, bind and fix in position steel reinforcement as specified, including the cost of 1mm dia. black annealed steel binding wire with all requirements necessary to complete the works as per specifications.				
a	Hot rolled high yield deformed bars of 4200 kg/cm ² . (60,000psi) according to ASTM-615	MTon	1.43	418000	597740
2	Stone Soling 6"				
	Supply, place and compact hard-core in maximum size of 150 mm laid to a required thickness, hard-core shall be laid on subgrade finished to requisite lines / levels and compacted to relative density of 95% including sufficient quantity of sand shall be added so that the interstices between the stones are filled, complete as per specification and as directed by the Engineer.	Cft	110.0	120	13209
3	Concrete Accessories.				
	Swellble Bar				
	Supply and lay Expanbar SW20, swellble water stop (size 10mm x 20mm) of Mega Sealers, installed into a groove cast in the concrete or directly on to the concrete surface with an appropriate adhesive, complete in all respect as per drawing and as directed by the Engineer.	Rft	65	900	58500
4	Pudlo Plaster.				
	Supply, make, apply and cure, 20mm thick Pudlo Plaster in (1:4) cement sand mortar with 5% by weight of Pudlo,	Sft	520.0	70	36400



	smooth finished with steel trowel on walls in water tanks or where required including chamfers complete in all respect as per specifications.				
5	Chemical Waterproofing *				
	Supply and apply 2-coats MEGA WATER SEAL PRO Two component cementitious waterproofing coating for UNDERGROUND TANK over the concrete surface, prior to the application all surface must be free from dust and any other unsound material, complete in all respect as per drawing and as directed by the Engineer.	Sft	520.0	65	33800
6	Stainless Steel Rungs 2' L, 1" Dia				
	Supply and fix 14 gauge Stainless Steel rungs of specified size and shape as shown on detail drawing shall be embedded in concrete at least 75mm, complete in all respect as per specifications and as directed by the Engineer.	Nos	6.0	3000	18000
7	Manhole Cover. (2' x2')				
	Supply and fix water tight (Square Type) C.I. Manhole cover with frame as specified of GMP Brand, for the following weights, including the cost for fixing of frame in concrete and making good the same, complete in all respect as per specification and as directed by the Engineer. Size : (600 x 600 mm)				
	Medium Duty. (Upto 20 Kg)	No's	2.0	8000	16000
8	Gate Valves.				
	Supply and install in place hand wheel bronze gate valve of KITZ for water system as specified, approved by the Engineer, complete in all respect as per specifications. Gate Valve with threaded end connections. (Item code - AKFS - Class 125)				
a	25mm diameter.	No's	2.0	3900	7800
9	Plumbing Piping.				
	Facility Water Distribution				
	UPVC Pipes				
	Supply and lay UPVC pipes of PAK ARAB/STEELEX - for hot and cold water distribution system including specials such as tees, bends, elbows, unions, plugs, reducers, valve socket Brass etc with EZ Weld Solution including cutting holes in masonry or concrete in wall, floor and slab and chiseling wall and floor and making good the same, complete in all respect as per drawing, specification and as directed by the Engineer.				
	Nominal internal diameter shall be as follows:-				
a	25mm Dia	Rft	40.0	220	8800



10	<u>Foot Valves.</u>				
	Supply and install in place hand wheel brass gate valve of KITZ for water system as specified, approved by the Engineer, complete in all respects as per specifications.				
	<u>Gate Valve with threaded end connections.</u>				
	<u>(Item code - AKFS - Class 125)</u>				
a	25mm diameter.	No's	2.0	3500	7000
<u>(b) TOTAL AMOUNT OF NON SCHEDULED B.O.Q ITEMS (CIVIL WORKS)</u>					
<u>TOTAL AMOUNT OF B.O.Q ITEMS (SCHEDULE & NON-SCHEDULE WORKS) (A + B)</u>					12,68,107.89
<u>ADD SST @ 15%</u>					
<u>GRAND TOTAL AMOUNT (INCL. SST)</u>					12,68,107.89

Grand Total Amount (in words) one Million Two Hundred Sixty Eight Thousand one Hundred Seven Paise Eighty Nine only -

