

**PROVIDING/FIXING/INSTALLATION OF ELECTRICAL & MECHANICAL WORKS FOR PAPOSH
TANKI PUMPING STATION AT NAZIMABAD TOWN, DISTRICT CENTRAL-III KARACHI. CONTRACT
PACKAGE: PIDCL/SINDH/KHI/PSDP/05/468**

Description	Unit	Qty.	Rate	Amount
Providing, installation. Testing & commissioning of KSB/Grundfos/HMA or equivalent Deep well turbine pump type DWT stages consisting of pump bowl assembly with suction & case Intermediate bowl all made of cast Iron with bronze impeller dynamically balanced & securely fastened & stainless steel pump shaft by means of tapered locking collects made carbon steel surface, discharge head of cast Iron VS shaft 60HP (4 pole) electric motor suitable for 380/400 volts 50 c/s pump capable to discharge 750 IGPM against a total head of 250ft as per site requirement & instruction of E/I.	Nos.	3	8,500,000	25,500,000
Making Connection Delivering Pipe Line to manifold & existing rising main including welding fabricating as per site requirement & instruction of E/I.	Job.	3	80,000	240,000
P/F Steel Girder MS Tee & plate for the installation of overhead gantry crane, pump foundation welding, fabricating complete in all respect as per site requirement & instruction of E/I.	KG	2819	460	1,296,740
Girder size 8" x 4"				
Girder weight 1RFT = 18lbs				
40' x 4 Nos. = 160'				
18' x 5 nos. = 90'				
5' x 5 Nos. = 25'				
Misc = 25'				
Total = 300'				
300' x 18 x 0.4536 = 2449 Kg's				
2' x 2' x 5 Nos. x 40.80 x 0.4536 = 370KG				

P/F Overhead Gantry Travelling with 5Meter chain as per instruction of E/I.		1	310,000	310,000
P/F Chain Pulley Block of 5 ton Capacity & Chain 5 Meter Length as per instruction of E/I.		1	335,000	335,000
P/F of DPI / C (C/O) Switch 500 Volts, 600 Amps on a prepared board.		3	216,000	648,000
Providing, installation .Testing & commissioning PVC insulated & PVC sheeted 35mm ² , 3.5 Core copper co 600/1000V Including lugs & Its punching laying of cable between Main motor Panel to motor Make Fast/Newage/Pakistan Cables/Pioneer or equivalent as per site requirement & instruction of E/I	R/Ft	60	4,386	263,160
Providing, installation .Testing & commissioning PVC insulated & PVC sheeted 70mm ² , 3.5 Core copper co 600/1000V Including lugs & Its punching laying of cable between Main LV Panel to motor Panel Make Fast/Newage/Pakistan Cables/Pioneer or equivalent as per site requirement & instruction of E/I	R/ft	39	7,484	291,876
Providing, installation .Testing & commissioning PVC insulated & PVC sheeted 120mm ² , 4 Core copper co 600/1000V Including lugs & Its punching laying of cable between K-Electirc energy meter to Main LV panel Make Fast/Newage/Pakistan Cables/Pioneer or equivalent as per site requirement & instruction of E/I	R/Ft	50	12,426	621,300
P/F Main Panel box Comprising of 01 no. 800 AMPS Air circuit breaker(ACB), volt meter, amp meter, selector switches, panel lights 04 nos. Bus bars (225 AMPS) the panel box complete in all respect as per site requirement and instruction of E/I.	No's	1	1,490,000	1,490,000
C.I Sluice Value Heavy pattern (Test pressure 21.0 kg per sq. Com or 300 LB/ Sq. Inch) (Imported)				
12" dia (300mm)	No's	3	196000	588,000
10" dia (200mm)	No's	3	37000	111,000
Fixing of Sluice Value with 02 cast iron tailpieces ,one end flanged and other with socket i/c the cost of nuts & bolts & rubber packing complete in all respect as per site requirement and instruction of E/I				
24" dia	No's	5	17,600	88,000
12" dia	No's	5	13,400	67,000
18" dia	R/Ft	140	19,800	2,772,000
12 " dia	R/Ft	155	16,700	2,588,500

Reflex valve Heavy pattern (Test Pressure 21Kg/Sq. CM or 300 LBS/ Sq. Inch) (Imported) 24" dia 12" dia	No's			
18" dia	Nos.	3	530,000	1,590,000
12" dia	Nos.	3	350,000	1,050,000
P/F of M.S. Flange made ½" thick MS sheet having a thickness & total weight as mentioned against each item . it includes the cost making holes, facing, welding, nuts, bolts, rubber packing , white lead fitter cartage complete in all respect as per site requirement and instruction of E/I				
18" dia	Nos.	8	16,000	128,000
12" dia	Nos.	8	16,000	128,000
P/F of PVC pipe 2" dia with bend for power cables	R/Ft	300	230	69,000
P/F water pressure Gauge 0 to 15 kg/sq.cm along with pressure cock and other material required for fitting etc. complete in all respect	No's	5	28,000	140,000
P/L Earthing set 600*600*6mm copper plate buried in ground at depth of 12' or less depth if water comes out with salt and coal l/c making pits 12'. Depth by excavation in all kind of soil l/c hard and soft rock refilling the excavation with 8n bare copper wire run in G.I pipe straight from earth plate with metallic accessories with result must be less than 3 ohm complete in all respect as per instruction of Engineer In charge.	No's	1	85,000	85,000
P/F MS bend 12" dia Fabricated with 3/8"thick MS plate heaving an outer length & total weight as mention.	No's	6	9,600	57,600
P/F MS bend Fabricated with 3/8"thick 24" Dia MS plate heaving an outer length & total weight as mention	Nos	3	11,305	33,915

P/F Nut Bolts 1/2", 3"&6" Long	KG	100	791	79,100
P/F Rubber Packing)	Kg	105	350	36,750
K-Electric Charges for providing of power supply and load security deposit including PMT (according to connected load) with Energy meter from load- shedding free feeder complete in all respect	No's	1	7,950,000	7,950,000
TOTAL				