

**Erractioning, commissioning of complete New installation of Electrical/ Mechanical & Civil
work For Block -02 Nazimabad No-2 Pumping Station Near Galib Library At Nazimabad Town
(E&M- Water) (NA-249)Distrct Central-III ,KW&SC
Contract Package: PIDCL/Sindh/Khi/PSDP/05/467**

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 120HP (4 pole) electric motor suitable for 380/400 volts 50 c/s pump capable to discharge 850 IGPM against a total head of 250ft as per site requirement & instruction of E/I.	Nos.	5	17,800,000	89,000,000
Making Connection Delivering Pipe Line to manifold & existing rising main including welding fabricating as per site requirement & instruction of E/I.	Job.	5	210,000	1,050,000
P/F Mani fold dia 24" & 24' long with Both end flanged l/c. Welding, fabricating complete in all respect as per site required & instruction of E/I.	No's	5	145,000	725,000
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	1,296,741
Girder size 8" x 4"				
Girder weight 1RFT = 18lbs				
40' x4 Nos. = 160'				
18' x 5 nos. =90'				
5' x 5 Nos. =25'				
Miscl = 25'				
Total = 300'				
300' x18 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 6 Meter chain as per instruction of E/I.		2	530,000	1,060,000
P/F Chain Pulley Block of 5 ton Capacity & Chain 5 Meter Length as per instruction of E/I.		2	335,000	670,000
P/F of DPI / C (C/O) Switch 500 Volts, 600 Amps on a prepared board.		5	216,000	1,080,000
P/F motor control board for Electric continuous rating comprising of star Delta, starter, AM meter ,volt meter , selector switch, UTZ phase indicator, overhead protection time relay , push button complete in all respect as per site requirement & instruction of E/I	Nos	5	630,000	3,150,000
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 motor Panel to motor, Make Fast/Newage/Pakistan Cables/Pioneer or equivalent as per site requirement & instruction of E/I (P-234 I-74)	R/Ft	250	4,384	1,096,000
Providing, installation .Testing & commissioning PVC insulated & PVC sheeted 120mm 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 (P-234 I-76)	R/ft	450	7,484	3,367,800
Providing, installation .Testing & commissioning PVC insulated & PVC sheeted 240mm ² , 3.5 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(P-234 I-79)	R/Ft	502	12,426	6,237,852
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	5	196000	980,000
10" dia (200mm)	No's	5	37000	185,000
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

P/F Black steel MS pipe made out of M.S sheet confirming to API 5L grade x-42 ERW & externally asphalt coated with fiber glass 5mm thick & internally lining 8mm thick (AWWA specifications) i/c lying Jointing with Helical welding in trenches i/c cost of bend of any degree& testing with wter to specified pressure for different dia of pipes as below (Straight)				
24" dia	R/Ft	140	22,600	3,164,000
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			
24" dia	Nos.	5	580,000	2,900,000
12" dia	Nos.	5	350,000	1,750,000
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 , ehite lead fitter cartage complete in all respect as per site requirement and instruction of E/I				
24" dia	Nos.	8	18,000	144,000
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	5	85,000	425,000
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	11,300	33,900

P/F Nut Bolts 1/2", 3"&6" Long	KG	100	791	79,100
P/F Rubber Packing)	Kg	100	350	35,000
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	17,550,000	17,550,000
P/L (main or sub main) PVC insulated with size 2-core 7/0.029 copper conductor in 1/4" dia PVC conduit on surface.(sch: item S.no 10 P#229)	F/Ft	281	400	112400
TOTAL				