

# PESHAWAR DEVELOPMENT AUTHORITY

## BILL OF QUANTITY

Name of Work: DRILLING OF TUBE WELL, CONSTRUCTION OF CHAMBER, PUMPING MACHINERY & ALLIED WORKS AT SECTOR F-4 PHASE-VI HAYATABAD PESHAWAR

### A. Drilling Of Bore Hole and Conversion in To Tube Well

S.No	Item Code	Item Description	Estimated Quantity	Unit	Unit Rate	Total (PKR)
1	24-01	Mobilization of plant, equipment and camping arrangements etc & demobilization after completion	1	Job	30,256.00	30,256
2	24-03-a-02	Rotary drilling except in shingle, gravel & rock From ground to 250' below ground : 20"-26" i/d	15	m	3,602.36	54,035
3	24-03-b-02	Rotary drilling except in shingle, gravel & rock Exceeding 250' below ground : 20"-26" i/d	25	m	4,502.95	112,574
4	24-04-a-02	Boring for tubewell in shingle, gravel & rock From ground to 200' below ground : 20"-26" i/d	53	m	9,005.91	477,313
5	24-04-b-02	Boring for tubewell in shingle, gravel & rock Over 200' depth below ground : 20"-26" i/d	145	m	11,275.39	1,634,932
6	24-08- d	Providing and installing MS bail plug in tubewell bore hole 12" i/d, 2 ft. long	1	m	24,832.71	24,833
7	24-07- e	Providing and installing brass strainer in tube well bore hole 12" i/d, 1/4" thick	30	m	26,616.73	798,502
8	24-11- d	Providing and installing MS blind pipe socket/welded joint MS reducer in tubewell borehole : 12" i/d, 1/4" thick	170	m	9,645.03	1,639,655
9	24-06	Furnishing sample of water from bore hole	2	Per set	2,542.80	5,086
10	24-14	Shrouding with graded pack grave 3/8" to 1/8" around tubewell in bore hole	208	m	1,521.77	316,528

11	24-39- c	Supplying and Fixing MS Suspension Clamp 3/8" thick for housing pipe : 12" i/d	1	Each	2,232.50	2,233
12	24-36- a	Supplying and Fixing MS cap of 3/16" thick sheet : 10" i/d	1	Each	1,482.00	1,482
13	24-13- a	Test & develop tubewell of size 6" i/d & above continuously : Upto 1.5 cusecs discharge	72	Hour	725.9	52,265
14	24-42	Logging of bore hole with electrical equipment and furnishing reports.	1	job	22,427.50	22,428
<b>TOTAL (A)</b>						<b>5,172,120.20</b>

**B. Construction of Chamber Cum Operator Room for Tube Well.**

S.No	Item Code	Description	Qty	Unit	Rate	Amount
1	3-23-d	Excavation in foundation of building, bridges etc complete : in shingle/gravel	28	Cu M	273.34	7653.52
2	6.05-i	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	11	Cu M	5,481.08	60291.88
3	7.04.a.03	Pacca brick work in foundation and plinth in Cement, sand mortar 1:4	17	Cu M	8,052.81	136897.77
4	7-05-a-05	.Pacca brick work in ground floor Cement, sand mortar 1:6	24	Cu M	8,333.75	200010
5	6-22-b-02	Damp proof course of cem. conc. 1:2:4 including bitumen coat, 1 layer polythene & 2 coats bitumen (2" thick	10	Sq M	719.25	7192.5
6	6-06-a-3	RCC in roof slab, beam, column & other structural members, insitu or precast. Type C (1:2:4)	7	Cum	9,538.28	66767.96
7	6.07-c	Supply & fabricate M.S. reinforcement for cement concrete ( Hot rolled deformed bars Grade 40)	0.552	Tonne	107,564.41	59375.55
8	11-11-b	Cement plaster 1:5, upto 20' height 1/2" thick	160	SqM	214.13	34260.8

9	11-18-a	Cement pointing struck joints, on walls, upto 20' height : Ratio 1:2	95	SqM	239.39	22742.05
10	10-15-e	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels : 2" thick	20	M2	577.81	11556.2
11	11-25-a-3	White washing: New surface : Three coats	160	SqM	41.05	6568
12	12-47.	Paneled door of M.S Sheet with forged door leaves of M.S Sheet 22 SWG etc complete.	10	SqM	6,740.77	67407.7
13	25.46	Supplying and Fixing 18SWG Steel Almirah, 12" max depth including box shelves, back, shelves, lock, spray paint complete	3	SqM	7,412.23	22236.69
14	9.19.a	Cast iron rain water down pipe fixed in position excluding heads & shoes : 4" dia	8	Mtr	2,226.88	17815.04
15	9.05	Single layer of tiles 10"x5"x1.25" laid over 4" earth and 1" mud plaster on top of RC roof slab	19.56	SqM	1,401.62	27415.68
16	15-53	Special earthing of iron/metal clad switches etc with copper wire No. 8 SWG in GI pipe 1/2" dia	1	Job	15,650.82	15650.82
17	7-30.	Supplying and filling sand under floor or plugging in wells	4.539	Cum	1,059.40	4808.61
18	10.15-c	Provide & lay topping of concrete 1:2:4, including surface finishing & dividing in panels: 1.5" thick	6	M2	457.86	2747.16
19	10.08	Flat brick flooring laid in 1:6 c/s mortar over a bed of 3/4" thick cement mortar 1:6	6	M2	733.94	4403.64
20	6.05-i	Plain cement concrete including placing, compacting, finishing & curing (Ratio 1:4:8)	5	M3	5,481.08	27405.4
21	25-39-b-5	Providing and Fixing steel windows 18 gauge with openable glazed panels With 22 SWG wire gauze : Glass pane 5mm	4	SqM	8,757.20	35028.8

22	25-31	Making and fixing steel grated door, with 1/16" thick sheeting, including angle iron frame & lock	2.764	SqM	9,679.42	26753.91688
23	NSR	Providing and lying Grider	1	Each	15000	15000
<b>Total (B)</b>						<b>879,989.68</b>

### C. Sanitary Work

S.No	Item Code	Description	Qty	Unit	Rate	Amount
1	14-78	Supply and Fixing low level plastic flushing cistern.	1	No	1,111.00	1111
2	14-03-a	Providing and Fixing glazed earthen ware WC squatting type with built-in foot rests : White	1	Each	1,780.75	1780.75
3	14-22-b	Providing and Fixing CP stop-cock, heavy type : 1/2"	1	Each	604.13	604.13
4	14-32-a	Providing and Fixing 'P' trap including GI grating & PCC chamber 4" of cast iron	1	Each	853.5	853.5
5	14-47-a	Providing and Fixing 1/2" dia connection including check nuts etc Plastic rubber connection	1	Each	170.02	170.02
6	14-24-b	Providing and Fixing CP bib-cock, heavy type : 1/2"	4	No	518.72	2074.88
7	14-55-f	Providing and Fixing GI pipe & including specials complete 1/2" dia (light)	26	R.M	255.64	6646.64
8	NSR	Providing connection of laid line with main line i/c all accessories, labour as per instruction of Engineer Incharge.	1	P/No	500	500
9	23.01 (b)	Providing and Laying RCC pipe, moulded with cement concrete 1:1.5:3, including cost of reinforcement, testing etc : 6" dia	10	PM	1018.38	10183.8
<b>Total C.</b>						<b>23,924.72</b>

### D. Pumping Machinery

S.No	Item Code	Description	Qty	Job	Rate (Rs)	Amount (Rs)
1	NSR	S/I of ISO 9001 certified submersible Metal Coated pumping machinery with motor (EU Made) for tube well as per specification approved design and instruction of approved design and instructions of Engineer Incharge cost of following electrification jobs / specification.				
		a) Discharge : 1 cusec				
		b) Total Head 450 Feet				
		c) Pump setting depth 370 Feet				
		d) Housing pipe 12" i/dia				
		e) P/I motor control unit including main swaths, starter, phase indicator holder with bulb, pressure gauge, column assembly, discharge head valve, non return valve, over load protection device against single phasing, and reverse phasing, steel pedestal board, draw down guards etc. .	1	Job	1,750,000	1,750,000
<b>Total (D)</b>						<b>1,750,000.00</b>

### E. External Electrification

S.No	NSR	a) Supply & installation of 100 KVA Transformer with allied Accessories	1	Job	850000	8,50,000
<b>Total (E)</b>						<b>8,50,000</b>

### F. Electrical Works

S.No	Item Code	Description	Qty	Unit	Rate	Amount
1	15-50	Wiring of light/fan/call-bell point in 3/0.029 PVC insulated bare cable in PVC pipe recessed	1	Each	906.65	906.65

2	15-61-b	Supply and Erection fluorescent tube light fitting including 4' rod, choke, starter, flexible wire etc : Double	1	Each	1,321.25	1,321.25
3	15-68-c	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" sweep	1	Each	3,926.86	3,926.86
4		Supply and Erection single core PVC insulated+sheathed copper conductor 250/440 V grade cable				
	15-06-a	i. 3/.029	100	RMtr	55.27	5527
	15-06-c	ii. 7/.029	100	RMtr	77.27	7727
5	15-68-b	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 48" sweep	1	No	3,728.82	3,728.82
6	15-51	Wiring of 2/3-pin 5-Amp. plug point in 3/0.029 PVC insulated bare cable in PVC pipe recessed	1	Nos	439.49	439.49
7	15-11-a-2	Supply and Erection of iron/aluminium clad, 500V main switch Double pole : 30/35 Amp.	1	No	1,268.96	1,268.96
<b>Total (F)</b>						<b>24,846.03</b>

**G. Providing & Laying Rising Main For Tube Well**

S.No	Item Code	Description	Qty	Unit	Rate	Amount
1	I 24-11-a	Providing and installing MS blind pipe socket/welded joint MS reducer in tube well borehole : 6" i/d, 3/16" thick	20	Per Mtr	5,427.75	108555
2	24-17-a-03	Providing and Laying cut, joint, test & disinfect AC pipe line BSS Class 'B' working pressure : 6" i/d	60	Per Mtr	746.68	44800.8
3	24-19-b-01	Providing and Fixing CI specials of BSS class 'B', 'C' & 'D' CI flanged specials with flanged joint : 3"-6" i/d	200	Kg	228.02	45604

4	24-21-c	Providing and Fixing sluice valve, BSS quality/weight, Class 'B' working pressure for CI & AC pipe line : 6" i/d	3	No	13932.50	41,797.50
<b>Total (G)</b>						<b>240,757.30</b>

**H. Resistivity Survey**

S.No	Description	Qty	Unit	Rate	Amount	
1	24-41	Conducting Elec: Resistivity survey of the area and furnishing its reports.	2	Job	31479.25	62958.5
<b>Total (H)</b>						<b>62958.5</b>


**Grand Total (A+B+C+D+E+F+G+H)**

**Rs: 9,004,596.43**


Contractor rate above/below

1. In Figure \_\_\_\_\_

2. In Words \_\_\_\_\_

  
**Assistant Director (W&S),**  
**PDA, Peshawar**

**Total Tendered Cost** \_\_\_\_\_

  
**Dy. Director (W&S)**  
**PDA, Peshawar**

**Contractor**