



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM::HYDERABAD::32
FACTORY CIVIL ENGINEERING DEPARTMENT

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-07/2012-13, Dt: 16.06.2012

Item no.: 3

Name of work: Improvements to existing water supply system by providing bore wells near 06 Block & works canteen.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50M etc. complete as directed by Engineer-in-charge.	204.00	Cu.m	103.40	21,093.60
2	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering, lead upto 50.00 m and lift upto 1.50 m etc. complete as directed by Engineer-in-charge.	189.00	Cu.M	45.70	8,637.30
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	10.00	Cu.M	1,560.50	15,605.00
4	Brick work with clay fly ash FPS brick of class designation 75 in super structure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 Coarse sand) etc. complete as directed by Engineer-in-charge.**	15.00	Cu.M	1,808.00	27,120.00
5	Plastering in CM 1:6, 20 mm thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete -Upto 10.00 M level etc. complete as directed by Engineer-in-charge.**	302.00	Sq.m	65.80	19,871.60
6	Flooring in 25mm thick using 1 cement and 3 parts of granite stone chips of 3 to 10mm gauge (no sand) Ellis pattern first sort including neat finishing , curing, cost of materials etc. complete as directed by Engineer-in-charge.**	100.00	Sq.m	130.40	13,040.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
7	Dismantling brick masonry walls for all heights, removing and clearing the debris and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc. complete as directed by Engineer-in-charge.	5.00	Cu.m	355.88	1,779.40
8	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	10.00	Cu.m	582.68	5,826.80
9	Dismantling stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction -in-charge - in cement mortar.	5.00	Cu.m	415.88	2,079.40
10	Supply and Fixing of 2.5 Sq.mm, 3 core power Supply cable etc. complete as directed by Engineer-in-charge.	120.00	RM	1,580.00	1,89,600.00
11	Supply and Fixing of 2.5 Sq. mm x 3 core flat cable for motor and pump etc. complete as directed by Engineer-in-charge.	400.00	RM	80.00	32,000.00
12	Supplying and Erection of 10 HP Submersible Pump with 12 stages, ISI marked, having copper rotor and capable to total working head of 360ft, including flat cable suitable to submersible pump to the required length of motor commenced in the bore well etc. complete as directed by Engineer-in-charge.	4.00	Each	40,000.00	1,60,000.00
13	Supply and Fixing of Switch Box/ fuse Box etc. complete as directed by Engineer-in-charge.	4.00	Each	2,350.00	9,400.00
14	supply and Fixing of starter (Automatic Star Delta Starter with DLR rating 13 A to 24 A, 3 Phase 415V etc. complete as directed by Engineer-in-charge.	4.00	Each	9,900.00	39,600.00
15	Supplying, laying and jointing 80 mm nominal bore GI pipe medium grade properties and weight as per IS 1239, ISI marked with GI fittings, including cost of pipe and its fittings, labour charges, testing, etc. complete as directed by Engineer-in-charge.	395.00	RM	881.35	3,48,133.25
16	Supplying, laying and jointing 50 mm nominal bore GI pipe medium grade properties and weight as per IS 1239, ISI marked with GI fittings, including cost of pipe and its fittings, labour charges, testing, etc. complete as directed by Engineer-in-charge.	350.00	RM	703.30	2,46,155.00
17	Supply and Fixing of Timer etc. complete as directed by Engineer-in-charge.	4.00	Each	1,480.00	5,920.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
18	Supply and fixing of CI D/F sluice valves conforming to IS 14846/2000 of 80mm dia with amendments no. 1 & 2 heavy duty with CI Grade FG 260as per IS 210. Two coats of primer suitable for epoxy paints finished shall be applied to all metal surfaces and finally two coats of epoxy paint. The valves shall be tested for closed end test. Against hydrostatic test requirement . The rates are excluding transportation, central excise duty and sales tax etc.; the operation can be done with hand wheel/ Cap. ISI Marked etc. complete as directed by Engineer-in-charge.	8.00	Each	5,360.00	42,880.00
19	Conducting Geophysical survey to identify ground water resources in all types of soils / rocks including all incidentals and recommending most suitable points for drilling bore well etc. complete as directed by Engineer-in-charge.	8.00	Each	500.00	4,000.00
20	Drilling of Bore wells of 163 mm dia (6.5") at identified places in all types of soils including all incidentals charges, transportation etc. complete as directed by Engineer-in-charge.				
a)	Upto 60 mtrs. Depth (up to 200 feet)	240.00	R M	165.97	39,832.80
b)	from 60 mtrs. To 90 mtrs. Depth (200 to 300 feet)	120.00	R M	203.69	24,442.80
c)	from 90 mtrs. to 120 mtrs. Depth (300 to 400 feet)	120.00	R M	241.41	28,969.20
d)	from 120 mtrs. to 150 mtrs. Depth (400 to 500 feet)	100.00	R M	316.85	31,685.00
21	Supplying and fixing in position of PVC Sudhakar make 6 Kgs / Sq. Cm casing pipe of 200 mm (8"), heavy duty as per IS 4995, ISI marked upto required depth including cost of all materials and other incidentals etc. complete.	100.00	R M	754.40	75,440.00
22	Supply & fixing of CI flanged and spigot tall pieces of 600 mm long and 250 mm dia and providing with 1 mm thick MS sheet dummy over tall pieces and fixing with cement concrete at new drilled bore wells etc. complete as directed by Engineer-in-charge.	4.00	Each	1,800.00	7,200.00
23	Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 80 mm (3") dia etc. complete as directed by Engineer-in-charge.	8.00	Each	2,038.00	16,304.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
24	.. Do... 50mm dia (2") etc. complete as directed by Engineer-in-charge.	8.00	Each	712.00	5,696.00
Total				₹	14,22,311.15
Add increase in Vat 1% over the material cost (70% of Above value)				₹	9,956.18
Total value of work				₹	14,32,267.33
Total : ₹ Fourteen lakhs thirty two thousand two hundred sixty seven and thirty three paise only					

Note: ** Cement, structural steel/MS reinforcement steel, paints will be issue by BHEL on free of cost at their stores.	
1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	Service tax is extra as applicable, which will be reimbursable to the agency on production of paid proof documents.
3	The rates are inclusive of all taxes and duties.

Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor