

**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHNADRAPURAM UNIT, HYDERABAD**  
**(Township Administration Department)**

HY/TA/OT-03/2021-22, Dated: 03.06.2021

**Schedule-A Price Bid**

<b>Description of Work: Repairs &amp; Maintenance of External water supply lines &amp; bore wells in township area.</b>					
<b>S.No</b>	<b>Description</b>	<b>QTY</b>	<b>Unit</b>	<b>Unit Rate (Rs)</b>	<b>Amount (Rs.)</b>
1	2	3	4	5	6 = 3*5
1	Maintenance by sweeping, cleaning the floor and side walls with coir brushes, removing the clay silt, scum etc, including cleaning the surfaces with bleaching powder and finally with fresh water till the full area is cleaned properly and writing the date of cleaning on the wall with paint neatly etc complete all as directed by Engineer - in - charge.				
	a) underground reservoir of 5.00 lakhs gallons capacity.	2	One operation	10611.70	21223.40
	b) underground reservoir of 1.35 lakhs / 2.50 lakhs / 3.30 lakhs gallons capacity.	3	One operation	6965.79	20897.37
	c) Overhead tank of 0.50 lakh / 1.1 lakh gallons capacity (18 mtrs staging).	4	One operation	5091.24	20364.96
2	Earth work excavation / road cutting in trenches for foundations and for pipes etc., for all depths including dressing and ramming the sides and bottom, strutting, shoring if any, depositing the soil as directed within a lead of 10.00 M in all soils except rock requiring blasting. <i>(while excavating care should be taken wherever cable etc. are met and inform the concerned in-charge and also intimate to Electrical Department/ Telephones Department to take care of the cables).</i>	300	One Cum	122.70	36810.00
3	<b>Labour charges</b> for cutting, threading, laying and jointing of GI pipe, with necessary fittings including cost of jointing materials such as white lead, jute, conveying the pipes from stores etc, complete as directed by Engineer - in - charge ( <i>GI pipe and with all necessary fitting will be free issued from BHEL</i> )				
	a) 100mm to 65 mm dia	100	One Rmt	73.51	7351.00
	b) 50mm dia	300	One Rmt	45.06	13518.00
	c) 40mm dia	350	One Rmt	29.65	10377.50
	d) 25mm dia	85	One Rmt	27.27	2317.95
	e) 20 mm dia	85	One Rmt	27.27	2317.95
4	Removing the GI pipe line of different dia meters including stacking at site or handing over in BHEL stores etc complete all as directed by Engineer-in-charge.				
	a) 100mm to 65mm dia	650	One Rmt	32.25	20962.50
	b) 50mm to 40mm dia	470	One Rmt	14.23	6688.10
	c) 25mm to 20mm dia	35	One Rmt	12.33	431.55
5	<b>Labour charges</b> for removing and refixing G.I. pipes complete with G.I. fittings including trenching and refilling etc ( <i>GI pipe and with all necessary fitting will be free issued from BHEL</i> )				
	a) 150 to 200 mm dia	10	One Rmt	43.12	431.20
	b) 100 to 150 mm dia	10	One Rmt	43.12	431.20
	c) 50mm dia	15	One Rmt	30.18	452.70
	d) 40mm dia	10	One Rmt	25.87	258.70
	e) 25mm dia	10	One Rmt	17.25	172.50
	f) 20mm dia	10	One Rmt	23.28	232.80
6	<b>Labour charges</b> conveying, lowering and fixing of CI sluice/reflex valves in the existing water line, including excavation, the cost of jointing materials refilling such as rubber packing, bolts and nuts, white lead etc complete				
	a) 100mm dia	1	Each	474.27	474.27
	b) 80mm dia	2	Each	355.37	710.74
	c) 50mm dia	1	Each	296.42	296.42
	d) 40mm dia	1	Each	296.42	296.42

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7	Conveying, lowering and fixing of CI/ sluice valves in the existing CI/RCC/GI water main including earth work excavation, cutting the CI line and jointing, caulking and fixing the valve along with CI fittings including cost of all jointing materials etc complete.				
a)	300 mm dia / 350 mm dia	2	Each	2371.33	4742.66
b)	250 mm / 225 mm dia	3	Each	2134.20	6402.60
c)	150 mm dia	1	Each	1659.94	1659.94
8	Earth work excavation in all soils, cutting and removing the existing pipe line or burst pipe line of cast iron, RCC line, GI line and taking necessary connections including jointing and lead caulking cement joint, road cutting with necessary transportation of pipe from stores to site complete all as directed by Engineer in Charge. <i>(while excavating care should be taken wherever cables etc. are met with and inform the concerned in-charge and intimate to Electrical Department / Telephones Department to take care of the cables). (Only GI Pipe and connected fittings are free issue from BHEL store and remaining all other materials are in contractor's Scope)</i> <i>Note: Old pipe should be return to main water works /civil store as per direction of Engineer-in-charge.</i>				
a)	200mm to 350mm dia pipe line	2	RMT	1067.10	2134.20
b)	100mm to 150mm dia pipe line	2	RMT	948.53	1897.06
9	Excavation in all soils at leaking joints of CI water lines, removing the water, caulking the lead joints and refilling back the excavated soil at the repaired joints, wherever necessary and cutting and refilling.				
a)	250mm to 500mm dia	20	Joint	995.96	19919.20
b)	100mm to 225mm dia	20	Joint	758.83	15176.60
10	Welding of the leakage joints of GI water supply Lines of different diameters as directed by Engineer - in - charge.	10	RMT	1098.70	10987.00
11	Changing and tying of indicator wire for overhead tanks of 18 meter, staging with Nylon wire to the float ball on one side and to the indicator on the other side <i>(Rate includes the cost of Nylon wire and labour).</i> Etc. complete all as directed by Engineer - in - charge.	8	One operation	1442.36	11538.88
12	Filling available excavated earth (excluding rock) in trenches, plinth,sides of foundations etc. in layers not exceeding 20cm in depth,consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	300	One Cum	79.49	23847.00
13	Supplying, lowering, aligning and fixing of (Non-return) reflex valve (heavy type) including a pair of steel flanges, cost of all jointing materials such as rubber packing, bolts and nuts etc, complete all as directed for (Sample must be approved by Engineer - in - charge) etc all complete.				
a)	CI reflex valve 150 mm dia	1	Each	7847.84	7847.84
b)	CI reflex valve 100 mm dia	1	Each	4140.34	4140.34
c)	CI reflex valve 80mm dia	1	Each	3557.00	3557.00
14	Supply and fixing of steel flanges suitable to GI line or valves including with necessary fitting and threading of GI pipe and welding etc complete.				
a)	150mm dia	2	Pair	1412.61	2825.22
b)	100mm dia	10	Pair	390.09	3900.90
c)	80mm dia	5	Pair	355.70	1778.50
d)	50mm dia	2	Pair	237.14	474.28

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15	Supply and fixing of copper float ball of 30 cm dia made with 1 mm thick copper sheet all as directed by the Engineer - in - charge.	2	Each	1865.05	3730.10
16	Supplying and laying of G.I. pipes of medium class (Class-B) as per IS - 1239 including all fittings such as sockets, tees, bend, flanges etc, wherever required and jointing materials etc all complete.				
a)	100 mm dia.	1	One Rmt	645.00	645.00
b)	80 mm dia.	2	One Rmt	679.86	1359.72
c)	50 mm dia.	2	One Rmt	422.04	844.08
d)	40 mm dia.	2	One Rmt	348.82	697.64
e)	25 mm dia.	2	One Rmt	198.62	397.24
17	Supplying and fixing of CI sluice valve, (with cap) complete with bolts, nuts rubber insertions etc complete all as directed by Engineer-in-charge. (Sample must be approved by the Engineer-in-charge).				
a)	CI sluice valve 100 mm dia P.N.1.0.	1	Each	5650.40	5650.40
b)	CI sluice valve 80 mm dia PN.1.6.	1	Each	5084.13	5084.13
c)	CI sluice valve 50 mm dia P.N.1.0.	1	Each	3625.29	3625.29
18	Changing and tying of indicator wire for U.G.R tanks of 1.00 to 5.00 lakhs with Nylon wire to the float ball on one side and to the indicator on the other side <b>(Rate includes the cost of Nylon wire and labour charges).</b>	5	One operation	1552.32	7761.60
19	Removal and rectification of hand pumps from the borewells of 100 / 112mm dia upto all depths by applying necessary tools removal of GI pipe attached to the hand pump and installation of the unit after rectification to the satisfaction of the Engineer-in-charge.	1	Each	592.84	592.84
20	Removal / lowering of submersible pumpsets of 4.5 to 15 HP from the borewells carefully by holding with chain pulley block removing the GI pipes attached to the pump without damaging the cable connection to motor placing the pumpset and pipe on ground and again lowering the submersible pump set with same operation all as directed by the Engineer-in-charge and required tools to be arranged by the agency i.e., chain pulley, pipe wrench etc., payment will be made separately for lower one operation, removal one operation	40	One operation	2687.31	107492.40
21	Supplying and fixing of brass spindle rod with brass nut suitable to the sluice valve of 80mm to 300 mm dia valves. <b>(The payment will be made for finished spindle rod received as per requirement).</b>	70	One Kg	433.95	30376.50
22	Cleaning of fountain pools and water jets by removing water manually and applying bleaching powder minimum 5 kgs to the pool and cleaning with coir brushes etc., complete for fountains at Check post, Rock garden & Community centre, ED Bungalow, Guest House, Ambedkar Park etc.	25	Each	2265.81	56645.25
23	Supply and fixing of 16mm square gland packing rope of Champion brand	4	Each	689.06	2756.24
24	Providing and fixing G.I. Union in existing G.I.Pipe Line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required.				
a	G.I Union / 80 mm	4	Each	803.50	3214.00
b	G.I Union /65mm	7	Each	1102.31	7716.17
c	G.I Union /50 mm dia.	20	Each	472.98	9459.60
d	G.I Union /40 mm dia.	5	Each	350.95	1754.75
e	G.I Union /25 mm dia.	7	Each	279.34	1955.38

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	f	Supply and fixing of 10 /12 mm square gland packing rope of charminar brand.	35	Kgs	109.08	3817.80			
	g	Supply & fixing of 3 mm thick rubber packing for use on C.I/G.I lines.	10	Kgs	40.02	400.20			
	h	Supply and fixing of 300 x 300 x 10 mm thick leather packing including labour charges cost of all materials etc complete.	13	Each	592.84	7706.92			
	i	Supply and delivery of bolts and nuts of medium class with double washers including taxes and conveyance etc., complete (1/2" to 1"). Including threading and fixing.	10	One Kg	96.75	967.50			
	j	Supply & fixing of 50mm dia &100mm long coupling (HD). Including threading and fixing.	2	Each	567.46	1134.92			
	k	Supply & fixing of 80mm dia &100mm long coupling (HD). Including threading and fixing.	2	Each	972.79	1945.58			
25		Cleaning of raw sewage equalization tanks of STP, 5 meters dia at NRSP by stopping the incoming flow removing the sand and other grit materials and dumping them within 100 M, cleaning the inside faces as directed to remove the scum and other foreign materials etc., complete. <b>(Payment will be made for equalization tanks of STP independently and NRSP Sump independently).</b>	2	One operation	37567.80	75135.60			
26		Supply and fixing of damage fountains nozzles of different types as directed by Engineer in Charge.	5	Each	1177.18	5885.90			
<b>Total Amount Rs.</b>						<b>638,599.20</b>			
Tender %	<b>In words</b>			<b>Figures</b>					
<b>Excess</b>									
<b>Less</b>									
<b>Estimate</b>									
<b>Notes:</b>									
1	Penalty clause 2.1.36 as mentioned in the Technical Bid will be applicable.								
2	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.								
3	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.								
4	Time period of the work is Twelve (12) Monthd and the maintenance period of the work is NIL. The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.								
5	All the terms & conditions of the contract with respect to Taxes & Duties are subject to the new taxation laws introduced from time to time (e.g., GST). The terms & conditions will be modified in accordance with the provisions of new laws (e.g., GST)								
6	All Technical bid terms and conditions shall be applicable.								