

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

Schedule-A Price Bid

Tender Notice No.

HY/TA/OT-02/2020-21

Date: 08.05.2020

Name of Work: Cleaning of all drainage Lines, chambers and manholes of different sizes etc and other repair works inside township area - Rate contract.

S.No	Description	QTY	Unit	Rate (Rs)	Amount (Rs.)
1	Cleaning of Inspection Chamber / Manholes of different sizes, and diameters, silt, sand, root from Chambers and waste materials to be removed and disposal upto 10 Meters etc complete as directed by the Engineer-in-charge.				
	a for Inspection Chambers upto 1.0 Mt Depth.	768	Nos.	234.47	180070.18
	b for man holes chamber from 1.0 Mt upto 2.0 Mt	208	Nos.	512.71	106644.13
	c for man holes chamber upto 2.0 Mt to 4.0 Mt	151	Nos.	512.71	77419.54
	d for man hole chambers above 4.0 Mt.	100	Nos.	512.71	51271.22
2	Cleaning of Gully Traps of different sizes and diameters, silt, sand, root from gully traps and waste materials to be removed and disposal upto 10 Meters etc complete as directed by engineer-in-charge.	100	Nos.	112.46	11245.50
3	Cleaning of external Sewerlines SWG/RCC Line of different Diameters. With bamboos / roding by using rope with knots, the line should be clear with all organic materials etc including roots, removal of silt, obstructed sludge with required tools, removal of silt sand, material came from the manholes, disposal upto lift upon a distance of 2 KM or suitable place as directed by the Engineer-in-charge.				
	a) 4" dia SWG line cleaning	180	Rmt	8.34	1500.38
	b) 6" dia SWG line cleaning	2000	Rmt	11.12	22233.96
	c) 8" dia SWG/RCC line cleaning	500	Rmt	16.68	8340.03
	d) 9" dia SWG/RCC line cleaning	339	Rmt	16.68	5654.54
	e) 12" dia SWG/RCC line cleaning	150	Rmt	25.02	3752.33
	f) more than 12" dia SWG/RCC line cleaning	13	Rmt	330.48	4296.24
4	Supply of Kambi Series/ Machine for de-silting or De-choking or Removal of silt	5	Days	13898.52	69492.60
5	Earth work in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m, disposal earth to be levelled and neatly dressed.	138	Cu.m	89.89	12404.90
6	Earth work in excavation by mechanical means (hydraulic excavator) manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5m, disposal earth to be levelled and neatly dressed..... HARD ROCK	19	Cu.m	137.42	2611.07
7	Filling available excavated earth (excluding rock) in trenches, plinth sides of founding each deposited layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, lead upto 50m and lift up to 1.5.	75	Cu.m	58.24	4367.84

S.No	Description	QTY	Unit	Rate (Rs)	Amount (Rs.)
8	Supply and Stacking of Moorum	4	Cu.m	418.31	1673.26
9	Brick work with FPS bricks of class designation 75 in foundation and plinth in:				
a	cement mortar 1:4(1cement :4 coarse sand)	10	Cu.m	1994.39	19943.92
b	cement mortar 1:6(1cement :6 coarse sand)	8	Cu.m	1992.34	15938.68
10	12mm thick cement plaster of mix (In fine sand)				
a	1:4(1 cement 4 fine sand)	3	Sq.m	61.20	183.61
b	1:6 (1 cement: 6 fine sand)	2	Sq.m	61.10	122.20
11	15mm thick cement plaster on the rough side of single or half brick wall of mix				
a	1:4(1 cement 4 fine sand) (in coarse Sand)	4	Sq.m	47.69	190.76
b	1:6 (1 cement: 6 fine sand)	3	Sq.m	69.03	207.10
12	20mm thick cement plaster of mix (In Fine sand)				
a	1:4(1 cement 4 fine sand)	4	Sq.m	85.83	343.33
b	1:6 (1 cement 6 fine sand)	4	Sq.m	85.38	341.53
13	12 mm thick cement plaster of mix :				
a	1:6 (1 cement: 6 coarse sand)	4	Sq.m	69.00	275.99
14	20mm thick cement plaster of mix (In Coarse sand)				
a	1:4(1 cement 4 coarse sand)	4	Sq.m	94.46	377.85
b	1:6 (1 cement 6 coarse sand)	52	Sq.m	94.26	4901.53
15	Providing and fixing square mouth SW gully trap grade :A: complete with CI grating brick masonry chamber with water tight CI cover with frame of 300x300mm size(inside) the weighing of cover to be not less than 4.50kg and frame to be not less than 2.70kg as per standard design (RCC cover in places of CI cover): 100x100 mm size P type: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5	Nos.	722.76	3613.80
16	Providing and laying and jointing glazed stoneware pipes grade "A" with stiff mixture of cement mortar in the proportion of 1:1 (1 cement 1 fine sand) including testing of joints etc. complete				
a	100 mm diameter	10	mts	94.38	943.80
b	150 mm diameter	10	mts	135.38	1353.77
c	200 mm diameter	10	mts	200.65	2006.47
d	250 mm diameter	4	mts	281.85	1127.41
e	300 mm diameter	5	mts	380.34	1901.68
17	Providing and fixing on wall face unplasticised rigid pvc rain water pipes conforming to IS 13592 type a including jointing with seal ring conforming to IS 5382 leaving 10mm gap for thermal expansion (i) single socketed pipes				
a	75mm diameter	5	Mts	83.69	418.47
b	110mm diameter	10	Mts	139.11	1391.14
18	Dismantling of the existing specials and Supplying & Fixing Prince / Sudhakar make or equivalent approved quality (U.V. resistant UPVC) SWR pipe fittings (as per ISI standards) etc complete all as directed by Engineer-in-charge.				
a	75 mm dia plain bend.	446.00	Each	62.75	27988.50
b	75 mm dia plug bend.	435.00	Each	75.11	32673.18
c	75 mm dia off-set.	90.00	Each	57.04	5134.01
d	75 mm dia Single 'Y' with door.	49.00	Each	97.79	4791.93
e	75 mm dia pipe clip.	31.00	Each	14.27	442.24
f	75 mm dia single tee with door.	26.00	Each	82.72	2150.75
g	110 mm dia plain bend.	398.00	Each	65.20	25948.15

S.No	Description	QTY	Unit	Rate (Rs)	Amount (Rs.)
	h 110 mm dia plug bend.	303.00	Each	81.50	24694.51
	i 110 mm dia Single 'Y' with door.	111.00	Each	108.66	12061.67
	j 110 mm dia Double 'Y' with door.	19.00	Each	135.83	2580.72
	k 110 mm dia off-set.	260.00	Each	88.42	22989.66
	l 110 mm dia vent cowl.	37.00	Each	31.38	1160.96
	m 110 mm dia pipe clip.	181.00	Each	17.11	3097.19
	n 110 mm dia single tee with door.	42.00	Each	81.50	3423.00
	o 110 mm dia coupler.	1.00	Each	55.14	55.14
19	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering- All work upto plinth level				
	a 1:1 1/2:3(1 cement 1 $^{1/2}$ coarse sand :3 graded stone aggregate 20mm nominal size)	2	Cu.m	1746.72	3493.43
	b 1:2:4 (1cement 2:coares sand 4 grade stone aggregate 20mm nominal size)	5	Cu.m	1795.69	8978.45
20	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering shuttering finishing and reinforcement All work up to plinth level				
	a 1:1.5:3(1cement 1.5 coarse sand 3 grade stone aggregate 20mm nominal size)	5	Cu.m	1878.68	9393.39
	b 1:2:4(1cement 2 coarse sand 4 grade stone aggregate 20mm nominal size)	8	Cu.m	1927.63	15421.08
21	Reinforcement for RCC work including straightening, cutting bending placing in position and binding all complete.				
	a Cold twisted bars	28	Kgs	5.12	143.43
	b Hot rolled deformed bars	5	Kgs	5.12	25.61
22	Conveyance by Manual or Mechanical means of Lime, Murram, building Rubbish including loading unloading with lift of 50 m upto lead mentioned below all complete all as directed by Engineer in charge				
	a 1 Km	10	Cu.m	46.03	460.29
	b 2 Km	10	Cu.m	52.23	522.25
	c 3 Km	10	Cu.m	58.37	583.66
23	Demolishing concrete manually / by mechanical means including disposal of material within 50mtr lead as per direction of engineer in charge				
	a 1:3:6 or richer mix	1	Cu.m	466.33	466.33
	b 1:4:8 or leaner mix	5	Cu.m	287.45	1437.27
24	Demolishing brick work in cement mortor manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge	2	Cu.m	393.75	787.50
25	Demolishing stone rubble masonry manually by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge in Cement mortar	1	Cu.m	469.80	469.80
26	Coursed rubble masonry (second sort) with hard stone in foundation and plinth with cement mortar 1:6(1cement 6 coarses sand)	2	Cu.m	1901.55	3803.11
27	Providing and laying non- pressure NP2 class (light duty) RCC pipes with collars joints with stiff mixture of cement mortar in the proportion of 1:2 (1 cement 2 fine sand) including testing of joints etc, complete				
	a 100 mm dia RCC pipe	1	mtr	144.59	144.59

S.No	Description	QTY	Unit	Rate (Rs)	Amount (Rs.)
b	150 mm dia RCC pipe	1	mtr	168.54	168.54
c	250 mm dia RCC pipe	1	mtr	227.00	227.00
d	300 mm dia RCC pipe	1	mtr	279.58	279.58
e	450 mm dia RCC pipe	1	mtr	407.35	407.35
f	500 mm dia RCC pipe	1	mtr	474.20	474.20
g	600 mm dia RCC pipe	1	mtr	713.42	713.42
h	700 mm dia RCC pipe	1	mtr	820.26	820.26
i	800 mm dia RCC pipe	1	mtr	930.90	930.90
j	900 mm dia RCC pipe	1	mtr	1104.66	1104.66
28	Supply and fixing precast R.C.C. cover with frame following sizes				
a	30 cm x 30 cm	1	Nos.	128.52	128.52
b	45 cm x 45 cm	1	Nos.	160.65	160.65
c	60 cm x 60 cm	1	Nos.	629.75	629.75
d	45 cm x 60 cm	1	Nos.	514.08	514.08
e	60 cm x 90 cm	1	Nos.	771.12	771.12
29	Supply and fixing precast R.C.C. cover without frame following sizes				
	45cm x 90 cm	1	Nos.	963.90	963.90
	60cm x 90 cm	1	Nos.	1156.68	1156.68
30	supply and fixing Circular shape 600mm dia precast R.C.C. manhole cover with frame	1	Nos.	1542.24	1542.24
Total value of work Rs.					8,44,874.00

Tender %	In words	Figures
Excess		
Less		
Estimate		

Notes:

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	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	Contract Period of the work is 12 (Twelve) Months. The maintenance period of the work is 06 months. 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)