



BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
Township Administration Department

SCHEDULE- A

Tender Notice No:
HY/TA/OT-24/2022-23, Dt.03.02.2023

PRICE BID

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

SL.NO	Description	Qty	Unit	Rate	Amount
	Misc civil works				
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.	344.48	264557.74
b	for man holes chamber from 1.0 Mt upto 2.0 Mt	208	Nos.	753.28132	156682.51
c	for man holes chamber upto 2.0 Mt to 4.0 Mt	40	Nos.	753.28132	30131.25
d	for man hole chambers above 4.0 Mt.	33	Nos.	753.28132	24858.28
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.	356.1712	35617.12
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	a) 4" dia SWG line cleaning	180	Rmt	12.24	2203.23
b	b) 6" dia SWG line cleaning	665	Rmt	16.33	10858.68
c	c) 8" dia SWG/RCC line cleaning	500	Rmt	24.50624	12253.12
d	d) 9" dia SWG/RCC line cleaning	327	Rmt	24.50624	8013.54
e	e) 12" dia SWG/RCC line cleaning	150	Rmt	36.75936	5513.90
f	f) more than 12" dia SWG/RCC line cleaning	4	Rmt	485.54286	1942.17
4	Hire Charges for Providing Suction cum Jetting sewerage Cleaning Machine as per Technical Specification along with safety equipment viz mask, Oxygen Cylinder, gloves, rope ladder, venella rope, body suit, torch light, first aid box and helmet, hydraulic cover lifter, Flash light for night time. Man hole cleaner, silt grabber, caution board, providing seven (7) nos. of working personel, driver-cum-operator and supervisor including hire charges of mini truck, fuel lubricants, labour charges for loading, unloading, transportation of silt removed from the manholes and to work Eight (8) hours in one shift for attending sewer cleaning of sewer mains in lanes, sub lanes including preventive maintenance of sewer lines and as directed by the Engineer-in-charge.	8660	Rmt	16.91294	146466.06

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.	95	Cu.m	136.3875	12956.81
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	5	Cu.m	264.34	1321.69
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	164.74	12355.31
8	Supply and Stacking of Moorum	2	Cu.m	605.85	1211.70
9	Brick work with FPS bricks of class designation 75 in foundation and plinth in:				0.00
a	cement mortar 1:4 (1cement :4 coarse sand)	5	Cu.m	5856.9375	29284.69
b	cement mortar 1:6(1cement :6 coarse sand)	8	Cu.m	5692.8375	45542.70
10	12mm thick cement plaster of mix (In fine sand)				0.00
a	1:4(1 cement 4 fine sand)	3	Sq.m	200.1375	600.41
b	1:6 (1 cement: 6 fine sand)	2	Sq.m	190.6875	381.38
11	12mm thick cement plaster on the rough side of single or half brick wall of mix				0.00
a	1:4(1 cement 4 fine sand) (in coarse Sand)	2	Sq.m	207.1125	414.23
b	1:6 (1 cement: 6 fine sand)	3	Sq.m	197.6625	592.99
12	20mm thick cement plaster of mix (In Fine sand)				0.00
a	1:4(1 cement 4 fine sand)	2	Sq.m	273.9375	547.88
b	1:6(1 cement 6 fine sand)	2	Sq.m	259.2375	518.48
13	12 mm thick cement plaster of mix :				0.00
a	1:6 (1 cement: 6 coarse sand)	2	Sq.m	197.66	395.33
14	20mm thick cement plaster of mix (In Coarse sand)				0.00
a	1:4(1 cement 4 coarse sand)	2	Sq.m	284.78	569.55
b	1:6(1 cement 6 coarse sand)	52	Sq.m	270.08	14043.90
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.	1730.25	8651.25
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	237.79	2377.88
b	150 mm diameter	10	mts	375.15	3751.50
c	200 mm diameter	10	mts	595.69	5956.88
d	250 mm diameter	2	mts	880.28	1760.55
e	300 mm diameter	3	mts	1205.36	3616.09

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	2	Mts	150.83	301.65
b	110mm diameter	5	Mts	228.79	1143.94
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.	235.00	Each	67.43	15844.88
b	75 mm dia plug bend.	230.00	Each	89.83	20661.14
c	75 mm dia off-set.	50.00	Each	59.40	2970.00
d	75 mm dia Single 'Y' with door.	15.00	Each	85.35	1280.25
e	75 mm dia pipe clip.	10.00	Each	19.175	191.75
f	75 mm dia single tee with door.	8.00	Each	104.8875	839.10
g	110 mm dia plain bend.	210.00	Each	97.3875	20451.38
h	110 mm dia plug bend.	175.00	Each	143.95056	25191.35
i	110 mm dia Single 'Y' with door.	30.00	Each	229.2563	6877.69
j	110 mm dia Double 'Y' with door.	5.00	Each	310.06742	1550.34
k	110 mm dia off-set.	1.00	Each	85.35	85.35
l	110 mm dia vent cowl.	10.00	Each	23.68496	236.85
m	110 mm dia pipe clip.	2.00	Each	22.18164	44.36
n	110 mm dia single tee with door.	13.00	Each	152.475	1982.18
o	110 mm dia coupler.	1.00	Each	88.35	88.35
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	5407.9125	10815.83
b	1:2:4 (1cement 2:coares sand 4 grade stone aggregate 20mm nominal size)	3	Cu.m	5091.45	15274.35
c	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	3	Cu.m	4342.2	13026.60
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 aggrigate 20mm nominal size)	3	Cu.m	3805.8825	11417.65
b	1:2:4(1cement 2 coarse sand 4 grade stone aggrigate 20mm nominal size)	8	Cu.m	3886.005	31088.04
21	Reinforcement for RCC work including straightening (Steel will be free issued), cutting bending placing in position and binding all complete.				
a	Cold twisted bars	8	Kgs	64.2	513.60
b	Hot rolled deformed bars	3	Kgs	62.625	187.88
22	Conveyance by Manual or Mechanical means of Lime, Murram, building Rubbish including loading un-loading with lift of 50 m upto lead mentoned below all complete all as directed by Engineer in charge				
a	1 Km	3	Cu.m	78.705	236.12

b	2 Km	3	Cu.m	89.655	268.97
c	3 Km	5	Cu.m	100.50	502.50
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	1303.09	1303.09
b	1:4:8 or leaner mix	3	Cu.m	804.60	2413.80
24	Demolishing brick work in cement mortar 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	1102.43	2204.85
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	2	Cu.m	456.98	913.95
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	5103.94	10207.88
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				0.00
a	100 mm dia RCC pipe	1	mtr	311.81	311.81
b	150 mm dia RCC pipe	1	mtr	346.95	346.95
c	250 mm dia RCC pipe	1	mtr	565.84	565.84
d	300 mm dia RCC pipe	10	mtr	647.74	6477.38
e	450 mm dia RCC pipe	1	mtr	1044.53	1044.53
f	500 mm dia RCC pipe	1	mtr	1242.71	1242.71
g	600 mm dia RCC pipe	10	mtr	1461.26	14612.63
h	700 mm dia RCC pipe	1	mtr	1899.79	1899.79
i	800 mm dia RCC pipe	1	mtr	2267.14	2267.14
j	900 mm dia RCC pipe	1	mtr	3067.91	3067.91
28	Supply and fixing precast R.C.C. cover without frame following sizes				0.00
a	30 cm x 30 cm	1	Nos.	188.83	188.83
b	45 cm x 45 cm	1	Nos.	236.03	236.03
c	60 cm x 60 cm	1	Nos.	925.24	925.24
d	45 cm x 60 cm	1	Nos.	755.28	755.28
e	60 cm x 90 cm	1	Nos.	1132.95	1132.95
29	Supply and fixing precast R.C.C. cover with frame following sizes				
a	45cm x 90 cm	1	Nos.	1416.17	1416.17
b	60cm x 90 cm	1	Nos.	1699.39	1699.39
30	supply and fixing Circular shape 600mm dia precast R.C.C. manhole cover with frame	1	Nos.	2265.87	2265.87
31	Constructing 914.4 mm x 457.2 mm (3'0"x1'6") brick in CM 1:6 prop.Masonry Inspection chamber up to 914.4 mm (3'0") and fitted with lightweight 914.4 mm x 457.2 mm (3'0"x1'6") RCC cover.	2	Nos.	12590.65	25181.30

32	Conveyance by Manual or Mechanical means of Lime, Murrum, building Rubbish including loading un-loading with lift of 50 m upto lead mentoned 5 km below all complete all as directed by Engineer in charge	25	Cu.m	121.10	3027.38
Total (Inclusive of taxes)(Rs)					1114729.50
Tender % on A					
	In Words	In Figures			
Excess					
Less					
Estimate					
*	The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimated value in figures and words. Bidders are requested to fill only one row.				
1	Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.				
2	All the materials are in the Contractor Scope Only .				
3	The rates are Including taxes.				
4	The contract period is Twelve (12) Month and maintenance period is Six(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	<p>Penalty terms:</p> <p>a) If the agency fails to commence the work within 15 days from the date of LOI, a penalty of 0.5% per week delay, subject to a maximum of 2% of the gross value of work will be applicable. if such delay extends beyond 4 weeks from the date of LOI, then BHEL reserves the right to take strict action without any prior notice.</p> <p>b) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered</p>				
6	Taxes: Bidders shall quote their Basic price Inclusive of taxes.				
7	The tender % age quoted by the contractor shall be Inclusive of all taxes.				
8	IR Clearance is not required for the works less than Rs. 50,000/-.				
9	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 565.65, SSW= ₹ 602.99, SW = ₹ 638.8 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.				
10	The agency has to bring police clearance certificate for the work force.				
11	All the terms and conditions of the contact with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).				
12	Payment shall be made stage wise on approval from engineer in charge				
13	Vendor shall raise GST invoice on BHEL Hyd GSTIN.				
14	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.				
15	Use of stone dust is not permitted in any civil works.				
	GST CLAUSES				
17	Following points to be complied with :				
18	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.				

19	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.
20	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.
21	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.
22	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.
23	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.
24	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.
25	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.
26	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.
27	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.
28	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.