

**Bharat Heavy Electricals Limited
Ramachandrapuram Hyderabad 502 032
Township Administration
Schedule-A PRICE BID**

HY/TA/OT-05/2021-22, Dated: 17.07.2021

Description of Work: Arresting Roof Leaks, Renovation of toilet works & other related works at Main Block and at Primary Block

SL.NO	Description	Total Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m for all kinds of soil all as directed by Engineer-in-charge.	2.50	Cum	130.80	327.00
2	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50 m for Ordinary rock etc complete all as directed by Engineer-in-charge.	0.50	Cum	212.00	106.00
3	Providing and laying in position cement concrete of 1:2:4 (1 cement : 2 sand: 4 coarse sand) excluding the cost of centering and shuttering - All work up to plinth level including curing all as directed by Engineer-in-charge.	4.86	Cum	4514.05	21956.34
4	Brick work FPS brick of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6(1cement :6 coarse sand) etc complete all as directed by Engineer-in-charge.	2.00	Cum	3876.15	7752.30
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.) all as directed by EIC.	2547.50	Sqm	156.15	397792.13
6	Providing impervious coat in CM 1:4, 20 mm thick using approved water proofing compound at one Kg/bag of cement when the roof slab is green including arranging proper slopes, for easy flow of rain water, curing etc complete all as directed by Engineer-in-charge.	150.00	Sqm	180.15	27022.50
7	Providing and laying in position reinforced cement concrete of grade 1:2:4 (1 cement: 2 sand: 4 coarse aggregate of 20mm nominal size) , excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level including cost of curing all as directed by Engineer-in-charge.	5.28	Cum	4703.90	24836.59
8	Supply and fixing of steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all etc complete upto plinth level including cost of all materials all as directed by Engineer-in-charge.	510.00	kg	62.25	31747.50
9	Laying of nonskid floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1 st quality conforming IS 15622 of approved make in colours such as white,ivory, grey ,fume red , brown laid on 20mm thick cement mortar 1:4(1 cement 4 coarse sand) including pointing the joints with white cement and matching pigment, hacking the existing surface,cleaning the surface with water, grouting the joints with pigment in wet condition, including loading, unloading and conveyance to site all as directed by Engineer-in-charge. etc. complete.	53.50	Sqm	772.90	41353.24

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10	Laying of ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy bottle green black of any size as approved by engineer in charge in skirting risers of steps and dados over 12mm thick bed of cement including pigment of matching shade, hacking the existing surface, cleaning the surface with water, grouting the joints with pigment in wet condition, including loading, unloading and conveyance to site all as directed by Engineer-in-charge.	25.73	Sqm	724.25	18633.50
11	Supply, fabrication and fixing of Ornamental M.S. grills for staircase door frames with shutters of approved quality and design including fixing of MS hold fasts in Cement concrete, cost of all materials etc., complete as directed by the Engineer-in-charge.	1620.00	Kg	90.75	147015.00
12	Supplying & Fixing Orissa Pan white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap Hindware/ Parryware/ Neycer - ISI Mark: 580 mm x 440 mm etc complete all as directed by EIC.	2.00	Each	1052.00	2104.00
13	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: 10 Litres capacity Single Flush etc complete.	2.00	Each	1323.00	2646.00
14	Supplying & Fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/Neycer) 1st quality conforming to IS:2556-Part-4:1972 with waste fittings like rubber plug, chain, 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/ Senior/ Nice/ Esso or equivalent complete with standard CI brackets including wooden block: 550 x 400 mm - Single C.P. Pillar cock etc complete all as directed by EIC.	2.00	Each	1323.00	2646.00
15	Providing and fixing P.V.C. waste pipe for sink or wash basin or urinal including P.V.C. waste fittings complete.	2.00	Each	67.60	135.20
16	Providing and fixing uplasticised PVC connection pipe with brass unions	4.00	Each	61.70	246.80
17	Providing and fixing C.P. brass stop cock of standard design and of approved make conforming to IS:8931.	4.00	Each	426.55	1706.20
18	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457 .2 mm etc complete.	2.00	Each	435.00	870.00
19	Supply and fixing 4" (101.6 mm) multi floor trap with Jali- UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	4.00	Each	131.00	524.00
20	Supply & Fixing 12.7 mm brass bib cock Indian make heavy duty etc complete.	6.00	Each	173.00	1038.00
21	Supply and fixing 110 mm dia 1828.8 mm (6'-0") Single Socket PVC/SWR pipe - 4 Kg/sq.cm -Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand etc complete.	108.00	Each	313.00	33804.00
22	Supply and fixing 110 mm dia - door Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/Sudhakar/ Kisan/ Supreme or any ISI Brand) etc complete.	16.00	Each	97.00	1552.00
23	Supply and fixing 110 mm dia - Plain Bend 87.5 Degree - UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand) etc complete.	8.00	Each	75.00	600.00

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24	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 etc complete.	2.00	Cum	83.80	167.60
25	Providing and fixing G.I. pipes of 15 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	20.00	Each	209.40	4188.00
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : (two or more coats) over and including water thinnable priming coat with cement primer including cost of scrapping wherever necessary etc complete.	6604.31	Sqm	66.70	440507.48
27	Finishing walls with textured exterior paint of required Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm shade including cost of scrapping wherever necessary etc complete.	1745.80	Sqm	117.70	205480.66
28	Painting with synthetic enamel paint two or more coats of approved brand and manufacture of required colour to give an even shade etc complete.	575.48	Sqm	78.80	45347.82
29	Supplying & Fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with internal flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 etc complete.	4.00	Each	690.00	2760.00
30	S&F 12.7 mm dia NP push cock 1st quality	16.00	Each	230.00	3680.00
31	Providing and fixing PTMT urinal cock of approved quality and colour. 15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms etc complete.	4.00	Each	123.15	492.60
32	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.	2.00	Cum	566.60	1133.20
33	Demolishing roof slab/ concrete manually / by mechanical means of Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix) including disposal of material within 50mtr lead as per direction of engineer in charge.	4.86	Cum	413.65	2011.99
34	Dismantling old plaster/ tiles or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50mtr lead all as directed by Engineer-in-charge.	286.00	Sqm	15.00	4290.00
	a Structural steel work riveted bolted or welded in built up sections, strusses and framed work, hoisting fixing in position and applying a priming coat of approved steel primer all complete	40697.79	kg	66.50	2706403.22
	b Fixing of Hi-rib s galvalume /Zincalume sheets of 0.5 mm tk. 1 mtr width and length upto 12 mts with factory cut and fixing to the roof shall be crest fixed to roofpurlins with number 12-14 x 55 mm polymer coated galvanised hex head self drilling screws with integral washers and EPDM seals (4 fasteners for support) for sheet etc., complete as directed - For roofing, side cladding and louvers with necessary fixtures. All the safety measures should be taken care by the agency itself.	5512.26	sqm	601.75	3317002.46

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c	Fixing of Hi-rib s galvalume /Zincalume sheets of 0.5 mm tk. 1 mtr width and length upto 12 mts with factory cut and fixing to the roof shall be crest fixed to roofpurlins with number 12-14 x 55 mm polymer coated galvanised hex head self drilling screws with integral washers and EPDM seals (4 fasteners for support) for sheet etc., complete as directed - For roofing, side cladding and louvers with necessary fixtures. All the safety measures should be taken care by the agency itself.	487.00	rmt	620.75	302305.25
d	Reinforced cement concrete work in vertical and horizontal fins individually or forming box louvers, facias and eaves boards up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	3.84	cum	5442.00	20897.28
e	Painting with synthetic enamel paint two or more coats of approved brand and manufacture of required colour to give an even shade etc complete	33868.45	Sqm	78.80	2668833.86
g	Cleaning and removing all un wanted things from the roof terrace of various buildings at an elevated level of 12 to 20 metre from FFL. Rate includes labour, tools, wire brush, brooms, baskets etc., sweeping and clearing off all dirt, silt, dust, leaves and other foreign matters etc, without damaging the terrace treatment and thereby collecting all the wastes in bags / casketc, lowering to ground floor with out affecting the working environment and dumping the same in the near by dust bins / earmarked areas / low lying areas etc complete. Sweeping has to be done only as and when necessary. Payment will be made only for the areas where actually the job was carried out.	3928.75	sqm	3.20	12572.00
h	Removing and refixing GI pipe 13 to 40 mm dia including cost of jointing materials such as specials like collars, elbows, bends etc complete all as directed by Engineer-in-charge.	400.00	rmt	60.00	24000.00
35	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D.plastic ball 20 mm nominal bore, 120 mm long, weighing not less than 198 gms	6.00	Each	273.05	1638.30
36	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank etc complete.	4000.00	LTR	6.10	24400.00
37	Providing and fixing G.I. pipes of 25 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	60.00	Each	142.25	8535.00
38	Providing and fixing G.I. pipes of 20 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc complete.	80.00	Each	161.25	12900.00
39	Providing and fixing G.I. pipes of 15 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	120.00	Each	209.40	25128.00
40	Demolishing RCC work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50mtr lead as per direction of engineer in charge.	6.36	cum	978.95	6226.12
41	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50mtr lead	2261.59	sqm	15.00	33923.85
42	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	200.00	sqm	365.60	73120.00

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43	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 110mm diameter	78.00	Rmt	206.90	16138.20
44	Providing 600x600 mm armstrong false ceiling boards	54.00	sqm	625.30	33766.20
45	Spray Painting with synthetic enamel paint two or more coats of approved brand and manufacture of required colour to give an even shade etc complete for Existong and new False ceiling.	722.00	sqm	78.80	56893.60
46	a Tree branches cutting 100 mm to 200 mm	40.00	each	150.00	6000.00
	b Tree branches cutting 200 mm to 300 mm	20.00	each	200.00	4000.00
47	a felling of trees of girth 120 cm to 240 cm	20.00	each	3026.30	60526.00
	b feling of trees of girth 240 cm and above	5.00	each	6071.30	30356.50
48	Arresting growth of trees on walls	20.00	each	364.00	7280.00
49	Removing dry or exterior paint of , water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	7996.91	sqm	7.50	59976.83
50	Supply and fixing of plain glass panes / pin headed / ground glass panes frosted of 4 MM thick of required sizes with proper wooden beedings/glass putty required for fixing to the existing broken glass panes along with the beading/glass putty, cost of all materials and labour etc complete all as Engineer-in-charge.	8.76	sqm	600.60	5261.26
51	Supply of tractor with 4 unskilled workers for lifting of building rubbish and other miscellaneous works all as directed by Engineer-in-charge.	2.00	Day	3630.00	7260.00
Total Amount					11,001,817.57

Tender %	In words	Figures
Excess		
Less		
Estimate		

Notes-

1	Agency has to quote his prices by considering consolidated wages /Bonus payable to workers/ BHEL wages (which consists of state Govt. minimum wages and additional payments) / work to be done / allowances, deploying of machinery and other statutory dues
2	Penalty as per clause 2.1.36 Mentioned in Technical Bid will be applicable.
3	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.
4	Contract Period of the work is Six(6) Months The maintenance period of the work is 12 (Twelve) 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).
6	All materials related this work are under contractor scope only.
7	Electricity , water charges will be recovered as per rules.

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