

**BHARAT HEAVY ELECTRICALS LIMITED**

**RAMACHNADRAPURAM UNIT, HYDERABAD**

**(Township Administration)**

**Price Bid-Schedule-A**

**Tender Notice No.HY/TA/OT-08/2020-21,Dated-26.08.2020**

**Description of the work: Short term\_Rate contract for carrying out Routine Annual Civil Maintenance works like Masonry, Flooring, Plumbing, Fabrication, Carpentry, Painting, and Horticulture works.etc. in Township**

Item	Description	Tentative qty	unit	Rate	Amount
1	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.				
1.1	All kinds of soil	200	cum	81.65	16330.00
8	<b>Earth work</b> excavation in slushy soils including removing the sewage water and scum from the pit of broken sewer lines, man holes, chambers etc., to enable building new ones (sewage gangman are to be engaged if necessary) etc., complete all as directed by Engineer-in-charge. (while excavating care should be taken about cables and shall intimate to Electrical Department/ Telephones Department to take care of the cables).	20	One Cum	135.00	2700.00
25.2	1:2:4 (1cement 2:coares sand 4 grade stone aggregate 20mm nominal size)	5	cum	1630.99	8154.95
25.5	1:4:8 (1cement 4:coares sand 8 grade stone aggregate 40mm nominal size)	60	cum	1600.84	96050.40
39	Brick work with FPS bricks of class designation 75 in foundation and plinth in:				
39.2	cement mortar 1:6( 1cement :6 coarse sand)	10	cum	1809.60	18096.00
40	Brick work FPS brick of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in				0.00
40.1	cement mortar 1:4( 1cement :4 coarse sand)	5	cum	2164.67	10823.35
40.2	cement mortar 1:6( 1cement :6 coarse sand)	2	cum	2162.80	4325.60
53	Supply, fabrication and fixing of <b>Ornamental M.S. grills</b> 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.	10	kg	41.03	410.30
108	Fabrication & erection of Structural steel sections including angles, channels, beams, rods or any other structural steel section forming an integral part and erecting the same as directed. ( <b>Raw steel will be issued by BHEL free of cost at stores</b> )	10	kgs	11.11	111.10
109	Labour charges only--Repair of Entrance Gates & Grill gates etc., including tack welding, providing aldrop/ tower bolt, repairing /replacing hinges as per site condition.	20	Each	86.18	1723.60
126	<b>Ellis pattern flooring 20 mm thick cement concrete</b> using one cement and three granite stone metal chippings of 3 to 10mm guage including fine finishing, neat thread lining, curing, cost of all materials etc. complete.	100	One Sqm	78.92	7892.00
139	Providing impervious coat in <b>CM 1:4, 20 mm thick</b> 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.	100	One Sqm	75.63	7563.00
150	20mm cement plaster of mix (In Coarse sand)				
150.2	1:6( 1 cement 6 coarse sand)	100	sqm	85.61	8561.00
204	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	100	sqm	9.47	947.00
207.1	White vitreous china orissa pattern WC pan of size 580x440mm with integral type foor rests	10	each	1798.98	17989.80
208.1	WC pan with ISI marked white solid plastic seat and lid	10	each	1751.27	17512.70
208.2	WC pan with ISI marked black solid plastic seat and lid	10	each	1739.34	17393.40

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Item	Description	Tentative qty	unit	Rate	Amount
213.2	white vitreous china wash basin size 630x450mm with a single 15mm CP brass pillar tap	10	each	986.91	9869.10
223.1	10 Ltr capacity white	5	each	504.89	2524.45
282	Rectifying the dampness due to leaking joints of Nahany traps alkathin / lead pipe connections to W.C's joints in AC pipes embedded in flooring including chasing brick work / concrete and making good after repairs in cement mortar including cost of all materials, curing etc complete for all specials all as directed by Engineer-in-charge. ( trap and PVC Pipe if replaced will be measured separately)	100	Each	153.33	15333.00
284	SWG gully traps 6"x6" or 4"x4" with CI frame and cover.	50	Each	106.66	5333.00
287	Dismantling and replacing with new ones of approved make including cost of all materials etc complete all as directed by Engineer-in-charge.				0.00
287.1	1/2" C.P. pillar taps (500 gms) SEIKO DELUX HEAVY DUTY.	20	Each	174.66	3493.20
287.2	1/2" brass stop cock (400 gms)	10	Each	165.55	1655.50
287.3	3/4" brass stop cock.	20	Each	203.12	4062.40
287.4	1/2" X 18" PVC pipe connections. (Heavy duty).	20	Each	38.65	773.00
287.5	PVC flexible pipe 32 mm dia.	20	Each	40.42	808.40
287.6	3/4" polymer ball cock of ISI makes approved brand.	10	Each	166.66	1666.60
287.7	1/2" polymer ball cock of ISI makes approved brand.	10	Each	121.33	1213.30
287.8	E.W.C seat covers (solid) of any shade.	10	Each	264.17	2641.70
287.9	CP concealed stock cock 1/2" dia with internal brass threadings.	10	Each	226.67	2266.70
287.10	Hot and cold mixing valve of SEIKO DELUX make.	1	Each	713.34	713.34
287.11	C.P. waste coupling 1 1/4" dia (32 mm).	100	Each	109.91	10991.00
287.12	C.P. Nahani trap jalise 5" dia.	100	Each	12.00	1200.00
287.13	Hot water connections.	10	Each	68.00	680.00
287.14	C.I. brackets.	10	Each	56.00	560.00
287.15	Porcelain foot rests 250 x 125 x 25 mm	3	Each	97.46	292.38
287.16	1/2" C.I. bib taps with brass internal, turning (Alto brand or equivalent).	5	Each	54.67	273.35
287.17	1/2" Polymet bib taps (PTMT material) prayag make.	60	Each	102.66	6159.60
287.18	PVC shower swing type for the 1/2" 3/4" pipe (Prayag make).	60	Each	100.00	6000.00
287.19	1/2" C.I. stop cock with brass internal turnings (Alto or equivalent brand).	10	Each	89.33	893.30
288	PVC syphon set suitable for PVC/CI low down flush tank of 10 litres capacity with all fittings etc.	10	Each	654.43	6544.30
290	Supplying and fixing CI Nahany trap 76 mm (3") dia in cement concrete 1:2:4 and 12.7 mm (5") dia CI grating hinged to Nahany trap including breaking of the flooring and redoing the same wherever necessary etc complete all as directed by Engineer-in-charge.	100	Each	172.72	17272.00
291	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.	1000	One Rmt	30.91	30910.00
293	Providing PVC storage tank covers located over the buildings to suit existing PVC storage tanks with nut and bolts etc complete all as directed by Engineer-in-charge.	5	Each	51.82	259.10
294	Dismantling of the existing AC/PVC Pipe (old pipes are to be handed over to department as per instructions of the Engineer-in-charge) and <b>supplying &amp; fixing</b> of 75 mm dia Prince/ Sudhakar make or equivalent quality as approved by Engineer-in-charge of PVC / SWR pipes (as per ISI standards) 4 kgs/ cm <sup>2</sup> . etc complete all as directed by Engineer-in-charge.	60	Rmt	72.54	4352.40

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295	Dismantling of the existing AC /PVC Pipes (the pipes are to be returned to department as per instructions of the Engineer-in-charge) and <b>Supply &amp; Fixing</b> Prince / Sudhakar make or equivalent approved quality PVC / SWR pipes (as per ISI standards) 4 kg / cm <sup>2</sup> ...110 mm dia etc complete all as directed by Engineer-in-charge.	60	Rmt	123.49	7409.40
296.1	75 mm dia plain bend.	50	Each	57.00	2850.00
296.2	75 mm dia plug bend.	50	Each	68.22	3411.00
296.3	75 mm dia off-set.	30	Each	51.82	1554.60
296.4	75 mm dia Single 'Y' with door.	30	Each	88.83	2664.90
296.5	75 mm dia pipe clip.	30	Each	12.95	388.50
296.6	75 mm dia single tee with door.	50	Each	75.13	3756.50
296.7	110 mm dia plain bend.	50	Each	59.22	2961.00
296.8	110 mm dia plug bend.	20	Each	74.02	1480.40
296.9	110 mm dia Single 'Y' with door.	30	Each	98.70	2961.00
296.10	110 mm dia Double 'Y' with door.	20	Each	123.37	2467.40
296.11	110 mm dia off-set.	20	Each	80.31	1606.20
296.12	110 mm dia vent cowl.	20	Each	28.50	570.00
296.13	110 mm dia pipe clip.	50	Each	15.54	777.00
296.14	110 mm dia single tee with door.	20	Each	74.02	1480.40
<b>WATER SUPPLY WORKS</b>					
301	Providing and fixing GI pipes complete with GI fitting and clamps including cutting and making good the walls etc. <b>Internal work-Exposed on wall</b>				0.00
301.1	15mm nominal bore	20	mtr	80.69	1613.80
301.2	20mm nominal bore	20	mtr	93.14	1862.80
301.3	25mm nominal bore	20	mtr	122.91	2458.20
302	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
302.1	15 mm dia nominal bore	20	mtr	141.63	2832.60
302.2	20 mm dia nominal bore	20	mtr	155.06	3101.20
303	Providing and fixing GI pipe complete with GI fitting including trenching and refilling etc. <b>External work</b>				0.00
303.1	15mm nominal bore	50	mtr	87.15	4357.50
303.2	20mm nominal bore	50	mtr	98.63	4931.50
303.3	25mm nominal bore	50	mtr	127.83	6391.50
307	Providing and fixing ball valve (brass) of approved quality ,High or low pressure ,with plastic floats complete :				0.00
307.1	15 mm nominal bore	1	each	156.88	156.88
307.2	20 mm nominal bore	1	each	218.83	218.83
349	Labour charges for erection PVC tanks-1000Lts including transportation from Dept stores to work spot (including all necessary fittings and specials like ball cock, nipples..etc).	10	Each	468.81	4688.10
<b>PROVIDING MACHINERY</b>					
376	Supply of JCB	30	Per Hour	504.95	15148.50
378	Supply of Tractor with hydraulic Lift with 4 USW	10	Per Day	2019.80	20198.00
383	Providing a Mobile crane for lifting of trunk tree mains at road sides, electrical poles, placing of transformers whenever needed as directed by Engineer-in-charge, including cost of services of operating staff and supply of lubricant oil etc complete all as directed by Engineer-in-charge.	1	perday	2423.76	2423.76
<b>MISCELLANEOUS WORKS</b>					

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Item	Description	Tentative qty	unit	Rate	Amount				
384	<b>Cleaning and removing all un wanted things from the roof terrace of various buildings</b> 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, with out 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.	1000	One Sqm	1.02	1020.00				
389	<b>Removing of silt</b> and debris from the open drains and removing and replacing of approach paths wherever required to remove the silt underneath the approach paths, including loading, unloading and conveyance to a distance of 2 kms and spreading at the places as directed by the Engineer-in-charge.	200	One Rmt	4.70	940.00				
	<b>SUPPLY OF BUILDING MATERIALS</b>				0.00				
405	Supply of <b>good quality course River Sand</b> Bhodan / Karimnagar / Kurnool / Sirisilla quality including cost and conveyance to site and stacking neatly as directed by the Engineer-in-charge.	9	One Cum	819.52	7375.68				
406	Supply and spreading quarry <b>stone dust</b> on walking track, stadium etc, complete as directed by Engineer-in-charge.	9	One Cum	866.38	7797.42				
<b>Total Amount Rs.</b>					<b>499,179.89</b>				
<b>Tender %</b>	<b>In words</b>	<b>Figures</b>							
<b>Excess</b>									
<b>Less</b>									
<b>Estimate</b>									
1	Please refer the NIT terms and conditions and its related penalties and recoveries pertaining to the work.								
2	As mentioned in the NIT, penalty clause 2.1.36 shall be applicable for this work.								
3	No additional material shall be issued to the agency for doing rectification during warranty period. All charges including material shall be solely borne by the agency.								
4	Cement , reinforcement steel and structural steel will be free issued by BHEL.								
5	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.								
6	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.								
7	The Contract period of the work is 03 months and 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.								
8	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)								