

**Bharat Heavy Electricals Limited**  
**Ramachandrapuram Hyderabad 502 032**  
**Township Administration**  
**Schedule-A Price Bid**

**HY/TA/OT-06/2021-22, Dated: 12.07.2021**

**Description of Work: Renovation of toilets in BVBP School ( Main Block) under BES Funds.**

SL.NO	Description	Ref.Code	Qty	Unit	Rate	Amount
<b>PART-A (CIVIL WORKS)</b>						
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.	DSR2012, 2.8.1	61.60	Cum	130.80	8057.28
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..	DSR2012, 2.9.1	12.32	Cum	212.00	2611.84
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.	DSR2012, 4.1.3	58.33	Cum	4514.05	263315.37
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.	DSR2012, 6.4.2	34.92	Cum	3876.15	135365.16
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 Engineer-in-charge.	DSR2012, 13.3.2	391.97	Sqm	156.15	61205.80
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.	BHEL Approved rate	80.65	Sqm	180.15	14529.10
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.	DSR2012, 5.1.3	1.30	Cum	4703.90	6112.72
8	Supply and fixing of steel reinforcement (Cold twisted bars) 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.	DSR2012, 5.22	136.93	kg	62.25	8524.05
9	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	DSR2012, 15.7.4	7.15	Cum	566.60	4048.47
10	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.	DSR2012, 15.2.2	5.00	Cum	413.65	2068.04
11	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.	DSR2012, 15.56	80.85	Sqm	15.00	1212.75
12	Laying of nonskid floor tiles 300x300mm ( thickness to be specified by the manufacture) 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.	DSR2012, 11.37	120.59	Sqm	772.90	93207.10

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13		Laying of ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture ) 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	DSR2012, 11.36	214.19	Sqm	724.25	155127.25
14		Providing and fixing factory made UPVC door frame made of UPVC extruded section profile size 48x40mm having an overall dimensions as below (tolerance +-1mm ) with wall thickness 2.0mm +- 0.2mm, corners of the door frame to be mitred and welded of pastic, galvanized brackets and stainless steel screws . the hinges side vertical of the frames reinforced by galvanized stainless steel hinges fixed to the frame as per manufactures specification including cost of all fittings etc all as direction of engineer in charge ( All material in contractor scope only)	DSR2012, 9.117.1	190.00	Rmt	185.15	35178.50
15		Providing and fixing to existing door frames 24mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59x24mm and wall thickness 2mm +- 0.2mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of MS galvanised / plastic brackets of size 75x220 mm having wall thickenll 1.0mm and stainless steel screws. the styles of the shutter reinforced by inserting galvanised MS tube of size 20x20mm and 1mm +- 0.1mm wall thickness. the lock rail made up of H section a UPVC hollow section of size 100x24 mm and 2 mm +- 0.2mm wall thickness fixed to the shutter styles by means of plastic/ galvanised MS.U cleats. the shutter frame filled with a UPVC multi chambered single panel of size not less than 620 mm having over all thickness of 20mm and 1mm +- 0.1mm wall thickness. the panels filled vertically and tie bar at two places by inserting horizontally 6mm galvanised MS rod and fastened with nuts and washers, complete as per manufacture's specification and washers complete as per manufacture's specification and direction of engineer in charge. (for W.C and bathroom door shutter) All martials and fittings in	DSR2012, 9.118.1	58.88	Sq.m	2471.10	145498.37
16		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.		484.00	Kg	90.75	43923.00
17		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.	SOR-2012-BMW-D.04 136	26.00	Each	1052.00	27352.00
18	a	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with 'S' trap or "P" trap etc complete all as directed by Engineer in-charge.	SOR-2012-BMW-D.13 145	4.00	Each	1380.00	5520.00
	b	Supplying and Fixing best Indian make plastic seat and lid of white colour for European water closets with rubber or plastic Buffers as per IS 2548-1996etc complete.	SOR-2012-BMW-D.13 146	4.00	Each	391.00	1564.00
19		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.	SOR-2012-BMW-D.33 165	36.00	Each	690.00	24840.00
20		Providing and fixing P.V.C. waste pipe for sink or wash basin or urinal including P.V.C. waste fittings complete.	DSR-2012, 17.28.1	18.00	Each	67.60	1216.80
21		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.	DSR-2012, 17.76.1	36.00	Each	123.15	4433.40
22		Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: 10 Litres capacity Single Flush etc complete.	SOR-2012-BMW-D.16 148	34.00	Each	1323.00	44982.00

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23	75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/ Sudhakar/Kisan/ Supreme or any ISI Brand etc complete.	BMW-G.11 345	36.00	Rmt	232.00	8352.00
24	Providing and fixing granite stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge.	DSR2012, 8.10.2	14.60	Sqm	2942.05	42953.93
25	Providing non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS: 14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	DSR2012, 12.8	6.00	Sqm	375.75	2254.50
26	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.	SOR-2012- BMW-D.24 156	26.00	Each	1323.00	34398.00
27	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	DSR-2012, 17.28.2.1	31.00	Each	65.30	2024.30
28	Providing and fixing C.P. brass stop cock of standard design and of approved make conforming to IS:8931.	DSR2012, 18.52	52.00	Each	426.55	22180.60
29	Supplying and fixing TV shape mirror with plastic frame size 609.6 mm x 457.2 mm etc complete.	SOR-2012- BMW-I.105 669	31.00	Each	435.00	13485.00
30	Supply and fixing 4" (101.6 mm ) multi floor trap with Jali-UPVC/SWR Pipe fittings (Prince/ Sudhakar/ Kisan/ Supreme or any ISI Brand)	SOR-2012- BMW-G.119 453	31.00	Each	131.00	4061.00
31	Supply & Fixing 12.7 mm brass bib cock Indian make heavy duty etc complete.	SOR-2012- BMW-E.19 192	44.00	Each	173.00	7612.00
32	Supply & fixing Healthfaucet with all fitting making good the walls as per the direction of Engineer-in-charge (model ALD CHR 579 Jaquar make)	BHEL Approved rate	4.00	Each	1123.86	4495.44
33	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.	DSR2012, 18.48	4000.00	LTR	6.10	24400.00
34	Providing, laying and jointing glazed stoneware pipes of 150 mm diameter of class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete.	DSR2012, 19.1.2	60.00	Rmt	219.05	13143.00
35	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.	BMW-G.19 553	154.00	Each	313.00	48202.00
36	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.	BMW-G.60 394	34.00	Each	97.00	3298.00
37	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.	BMW-G.57 391	26.00	Each	75.00	1950.00
38	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.	DSR2012, 2.25	52.40	Cum	83.80	4391.12
39	Providing and fixing G.I. pipes of 25 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	DSR2012, 18.12.3	105.00	Each	142.25	14936.25

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40	Providing and fixing G.I. pipes of 20 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc complete.	DSR2012, 18.12.2	212.00	Each	161.25	34185.00
41	Providing and fixing G.I. pipes of 15 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	DSR2012, 18.12.1	248.00	Each	209.40	51931.20
42	Supply and fixing 15 mm NB size Gunmetal (GM) Ball valve with SS Ball and SS Spindle as per IS - Class -I, Indian make heavy type etc complete.	BMW-F.55 226	8.00	Each	317.00	2536.00
43	Distemping 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.	DSR2012, 13.41.1	324.81	Sqm	66.70	21664.83
44	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	DSR2012, 13.45.1	307.01	Sqm	117.70	36135.59
45	Painting with synthetic enamel paint two or more coats of approved brand and manufacture of required colour to give an even shade etc complete.	DSR2012, 13.62.1	90.22	Sqm	78.80	7109.34
46	Supply of tractor with 4 unskilled workers for lifting of building rubbish and other miscellaneous works all as directed by EIC.	Rate Analysis	2.00	tractor/day	3630.00	7260.00
47	Providing and fixing uplasticised PVC connection pipe with brass unions	DSR2012, 18.21.2	65.00	Each	61.70	4010.50
48	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	DSR2012, 18.62.2	4.00	Each	273.05	1092.20
<b>TOTAL AMOUNT (Rs.)</b>						<b>1507954.80</b>

**Note:**

Tender %	In words	Figures
Excess		
Less		
Estimate		

**Notes-**

1	Agency has to quote his price by considering all the consolidated wages /Bonus payable to workers/ BHEL wages (which consists of state Govt. minimum wages and additional payments), allowances and other statutory dues payable to workers. BHEL will not reimburse any additional amount payable to contractor other than the quoted amount
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 <b>2 (Two) Months</b> 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.