

<b>BHARAT HEAVY ELECTRICALS LIMITED</b> <b>HPEP, RAMACHANDRAPURAM, HYDERABAD-32</b> <b>(Township Administration Department)</b> <b>Schedule-A PRICE BID</b>					
	HY/TA/OT-07/2021-22, Dated: 12.07.2021				
<b>Name of work:- Repair works in the Jyothi Vidyalaya High school.</b>					
Sl. no	Description	Total Qty	Unit	Rate	Amount (In Rs.)
1	Supplying and Fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of <b>Hindustan / Neycer or Parryware make white glazed with 'P' trap</b>	5.00	Nos.	1518.00	7590.00
2	Supplying & Fixing Indian pattern white glazed W.C 1st quality ISI marked conforming to IS:2556-Part-3-1981 with "P" or "S" trap <b>Hindware/ Parryware/ Neycer - ISI Mark: 580 mm Long</b>	18.00	Nos.	1518.00	886.00
3	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 <b>Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995</b>	30.00	Nos.	759.00	22770.00
4	Supply & fixing of PVC low level system parry ware, slim line with internal components & short bend: 10 Litres capacity Single Flush	25.00	Nos.	1455.00	36375.00
5	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: <b>630 x 450 mm - Single C.P. Pillar cock</b>	13.00	Nos.	1961.00	25493.00
6	Supply & Fixing 15 mm Nominal Bore GI pipe Light Grade properties & weight as per IS 1239 ISI mark with GI fittings including the cost of pipe & its fittings & labour charges complete	100.00	Rmt	156.00	15600.00
7	Supply & Fixing 75 mm dia 3 M Single Socket PVC/SWR pipe - 4 Kg/sq.cm - Prince/Sudhakar/Kisan/Supreme or any ISI Brand	60.00	Rmt	255.00	15300.00
8	Supply & Fixing 75 mm dia - Single Tee - UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	32.00	Each	59.00	1888.00
9	Supply & Fixing 12.7 mm brass stop cock Indian make heavy duty	68.00	Each	190.00	12920.00
10	Supplying & Fixing 12.7 mm PVC connection with brass union nut C.P coated	68.00	Each	190.00	12920.00
11	Supplying & Fixing angle stop cock 12.7 mm dia first quality Indian Make heavy duty Seiko/ Senior/ Nice or equivalent	23.00	Each	443.00	10189.00
12	Supply & fixing bib cock cum health faucet with 1 m long flexible tube and wall hook of Jaquar make queen series with 7 years warranty: Ivory gold/ Jupiter Aqua Lines-JAL or equivalent series	5.00	Sqm	3000.00	15000.00
13	Supply & Fixing 38.1 mm dia PVC solid waste pipe outlet	20.00	Each	89.00	1780.00
14	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) <b>(all the materials in contractor scope only)</b>	7.20	Cu.m	3263.37	23496.26

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15	Plastering in <b>CM 1:6, 20mm thick</b> to internal and External surfaces of walls including the cost of all materials, labour, curing etc., complete upto floor five level <b>(all the materials are in the contractor scope only)</b>	240.00	Sqm	138.83	33319.20
16	<b>Providing and fixing factory made UPVC door frame made of UPVC extruded</b> section 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 plastic, galvanized brackets and stainless steel screws . the hinges side vertical of the frames reinforced by galvanized stainless steel hinges fixed to the frame complete as per manufactures specification and direction of engineer in charge <b>Extruded section profile size 48x40mm</b> <b>(all the materials with necessary fittings are in contractor scope only)</b>	6.60	Rmt	157.47	1039.30
17	<b>Providing and fixing to existing door frames 24mm thick factory made PVC door shutters</b> 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 thickncl 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 manufacturer's specification and direction of engineer in charge. (for W.C and bathroom door shutter) <b>(all the materials with necessary fittings are in contractor</b>	2.16	Sqm	1955.82	4224.57
18	Providing and fixing 1st quality 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 mortar 1:3 (1 cement : 3 coarse sand) including pigment of matching shade etc. complete as per drawing specification and direction of engineer in charge <b>(All the materials are in contractor scope only also this includes dismantling and disposal of old wall tiles.</b>	100.00	Sqm	604.94	60494.00
19	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS 15622 of approved make in all colours shades except white Ivory, grey, gume red brown laid on 20mm thick bed of cement mortar 1:4(1 cement 4 coarse sand ) including pointing the jointing the joints with white cement and matching pigment etc. complete. <b>(All the materials are in contractor scope only also this includes dismantling and disposal of old floor tiles.</b>	100.00	Sqm	632.03	63203.00

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Name of work:- Repair works in the Jyothi Vidyalaya High school.					
20	Demolishing brick work 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	10.00	Cum	511.30	5113.00
21	Supplying and fixing Wall mirror with plastic frame size 609.6 mm x 457 .2 mm	10.00	Each	479.00	4790.00
22	4" (101.6 mm ) multi floor trap with Jali- UPVC/SWR Pipe fittings (Prince/Sudhakar/Kisan/Supreme or any ISI Brand)	10.00	Each	144.00	1440.00
23	Reinforcement for RCC work including straightening, cutting bending placing in position and binding all complete. Cold twisted bars <b>(all the materials are in contractor scope only)</b>	100.00	kg	49.78	4978.00
24	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 1:2:4( 1cement 2 coarse sand 4 grade stone aggregate 20mm nominal size) <b>(all the materials are in contractor scope only)</b>	10.00	Cum	4050.90	40509.00
25	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, 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.	1000.00	Sqm	1.45	1450.00
26	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc all as directed by Engineer-in-charge. <b>(all the materials with necessary fittings are in contractor scope only)</b>	30.00	Nos	14.07	422.10
27	Providing and fixing ISI marked oxidised M.S. tower bolt black finish(Barrel type) with necessary screws etc all as directed by Engineer-in-charge. <b>(all the materials with necessary fittings are in contractor scope only)</b>	15.00	Nos	24.55	368.25
28	Providing and fixing ISI marked oxidised M.S. Handls conforming to IS:4992 with necessary screws etc all as directed by Engineer-in-charge. <b>(all the materials with necessary fittings are in contractor scope only)</b>	15.00	Nos	19.83	297.45
29	Providing and fixing ISI marked oxidised M.S. aldrops with necessary screws etc all as directed by Engineer-in-charge. ( 176.00+20% Fitting ) <b>(all the materials with necessary fittings are in contractor scope only)</b>	10.00	Nos	176.29	1762.90
30	Providing and fixing solid plastic seat with lid for pedestal type W.C.pan complete White solid plastic seat with lid (all the materials with necessary fittings are in contractor scope	2.00	Each	303.88	1823.28
31	Painting with synthetic enamel paint of approved brand and colour to give an even shade as directed by Engineer -in-charg <b>(all the materials in contractor scope only)</b>	10.00	Sqm	67.86	678.60

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<b>Name of work:- Repair works in the Jyothi Vidyalaya High school.</b>					
32	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water thinnable priming coat with cement primer <b>(all the materials are in contractor scope only)</b>	10,112.00	Sqm	58.28	589327.36
33	Finishing walls with Acrylic smooth exterior paint of required shade, New work ( two or more coat applied @ 1.67 ltr/ 10 sqm ) over and including base coat of water proofing cement paint applied @ 2.20kg/ 10sqms <b>(all the materials are in contractor scope only)</b>	12,265.68	Sqm	56.78	696445.31
34	Laying of APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane. Application Methodology is as follows: <ul style="list-style-type: none"> <li>• Cleaning of existing surface.</li> <li>• Apply a coat of Shalikote T-30 Primer @ 0.300 Grms / Sqmtr and allow it to dry.</li> <li>• Apply a coat of Bitumen 85/25 is 702 @ 1.2 Kg per Sqmtr</li> <li>• On the primed surface start laying of membrane at lowest point of the slope roof and progress to the higher point Unroll the membrane half-way, align the side laps and fix super thermo lay 3 mm (Plain) APP membrane by using a LPG torch and applying uniform pressure with a roller / wet cloth to ensure to remove entrapped air if any.</li> <li>• Flame should be moved in shape of 'L' applying about 75% of the heat to the roll and 25% to the substrate including the lap area of previously installed membrane. The flame should be moved across the width and upto the lap edge while membrane is slowly unroll and adhered to the under lying surface.</li> <li>• Heat both layers of membrane at the overlap and used round tipped hot towel to seal the overlap. Excess compound should be smoothen and pressed into seam using hot trowel. Overlap joint shall be provided of 75 mm in longitudinal direction and 100mm in transverse direction.</li> <li>• Seal the joint with 85/25 grade bitumen.</li> </ul>	100.00	Sqm	311.50	31150.00
35	Supply and fixing 110 mm dia 1219. mm (4'-0") Double Socket PVC/SWR pipe - 4 Kg/sq.cm -Prince/Sudhaka r/Kisan/ Supreme or any ISI Brand	151.30	RMT	751	113626.30
36	Conveyance by Manual or Mechanical means of Lime, Murram, building Rubbish including loading un-loading with lift of 50 m upto lead mentioned below all complete all as directed by Engineer in charge	10.00	Cu.m	84.77	2543.10
37	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. All kinds of soil	10.00	Cum	118.03	1180.30
38	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 1:2:4( 1cement 2 coarse sand 4 grade stone aggregate 20mm nominal size) (all the materials are in contractor scope only)	10.00	Cum	4050.9	40509.00

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<b>Name of work:- Repair works in the Jyothi Vidyalaya High school.</b>					
39	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	4.00	Each	273.05	1092.20
40	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.	2000.00	LTR	6.10	12200.00
41	Providing and fixing G.I. pipes of 25 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	30.00	Each	142.25	4267.50
42	Providing and fixing G.I. pipes of 20 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	40.00	Each	161.25	6450.00
43	Providing and fixing G.I. pipes of 15 mm dia nominal bore complete with G.I. fittings including trenching and refilling etc. complete.	60.00	Each	209.40	12564.00
					<b>Total Amount Rs.</b> <b>1,939,474.99</b>
Tender %	In words	<b>Figures</b>			
Excess					
Less					
Estimate					
Notes-					
1	The tenderer should quote the rates against each item keeping in view the prevailing applicable in 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 if any and other obligations as per the statutory provisions and amendments thereto and also as directed by BHEL from time to time. BHEL will not pay additional amounts other than the agreed 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.				