



**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM::HYDERABAD::32**  
**FACTORY CIVIL ENGINEERING DEPARTMENT**

**SCHEDULE- A**

Tender Notice No:

HY/FCD/OT-27/2015-16, Dt: 17.10.2015

**PRICE BID**

Item no.: 5

**Name of work : - Renovation of Toilets in Telecom building.**

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Providing and laying ceramic glazed floor tiles 300 X 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in colours such as white, Ivory , grey , fume red brown, alid on 20mm thick cement mortar 1:4 (1 cement :4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete all as directed by Engineer-in-charge.	25.00	Sq.m	692.50	17,312.50
2	Providing and fixing 1st quality 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 mortar 1:3 (1cement : 3 coarse sand) and fixing tiles with grey cement slurry @ 3.3 Kg per Sq.m including pointing in white cement mixed with pigment of matching shade complete. <b>The Cement will be issued free of cost by BHEL at BHEL stores.</b>	54.00	Sq.m	664.00	35,856.00
3	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required with White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	2.00	Each	2,964.10	5,928.20

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
4	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C.flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required with W.C. pan with ISI marked white solid plastic seat and lid	1.00	Each	2,885.10	2,885.10
5	Providing and Fixing C.P Brass bib cock of approved quality conforming to IS: 8931- for 15 mm nominal bore with all accessories etc. complete all as directed by Engineer-in-charge.	3.00	Each	397.50	1,192.50
6	Providing and Fixing CP brass stop cock (Concealed) of standard design and of approved make conforming to IS:8931 with all accessories etc. complete all as directed by Engineer-in-charge.	9.00	One Each	322.00	2,898.00
7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required with White Vitreous China Wash basin size 550x400 mm and pedestral size 705 mm height with centre tap hole and a pair of 15 mm C.P. brass pillar taps.	3.00	Each	2,574.65	7,723.95
8	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	Each	674.05	674.05
9	Supply & fixing "Jaquar" make Pressmatic pillar cock for wash basins, with all accessories. (Cat: 031)	3.00	One Each	544.95	1,634.85
10	Providing and fixing PTMT Waste Coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms for wash basin and sink, of approved quality and colour etc. complete all as directed by Engineer-in-charge.	3.00	Each	94.35	283.05
11	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete - 40 mm dia.	6.00	Each	67.60	405.60

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
12	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required with Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	3.00	Each	5,354.50	16,063.50
13	Supply & fixing "Jaquar" make Pressmatic urinal flush valve for urinal pots (Cat. No. 51027) with all accessories.	3.00	Each	1,386.00	4,158.00
14	Supply & Installation of exhaust fans, 12" size, Heavy Duty <b>Make: Philips/Havells turbo force.</b>	2.00	Each	2,645.00	5,290.00
15	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance $\pm 1$ mm), with wall thickness 2.0 mm ( $\pm 0.2$ mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm ( $\pm 0.1$ mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge - 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm ( $\pm 0.2$ mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm ( $\pm 0.2$ mm) wall thickness fixed to the shutter styles by means of plastic/galvanised M.S. '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 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	6.00	Sq.m	2,587.25	15,523.50

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
16	Supplying and fixing CI Nahany traps 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100mm inlet - 75 mm dia (3") outlet pipe - 4 Kgs.	10.00	Each	307.00	3,070.00
17a	Supply & fixing in position <b>PVC Pipes of 3" dia</b> of best quality for drainage lines / urinal / hand wash areas including chasing the brick wall, concrete etc. and making good the same after fixing the same etc. complete.	45.00	R M	144.00	6,480.00
b	-----do----- for 4" Dia.	6.00	R M	276.00	1,656.00
18	Supply & Fixing of <b>15 mm dia Nominal Bore GI pipe, Class B medium Grade properties</b> and weight as per IS 1239 ISI mark which will be issued free of cost by BHEL at their stores . The arte quoted shall include fixing with all necessary GI fittings , chasing brick work/concrete and making good the same ,cost of labour , all materials etc. complete. Thickness- 2.6 mm.	35.00	R M	193.00	6,755.00
19	Construction of brick masonry chamber of size 23 x 30 Cm (9" x 12") in brick work in CM 1:6 and plastering in CM 1:4, 20 mm for <b>gully trap</b> 150 mmx100mm including cost of excavation, PCC 1:4:8, 75 mm thick, all materials, labour etc., complete.	5.00	Each	556.00	2,780.00
20	Supplying ,laying ,jointing and testing 101.60 mm (4") SWG pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in Cement mortar 1.5:1 prop. including excavation of trenches and socket pits in anysoil(except rock requiring blasting) up to 1524 mm(5'.0") depth and refilling with watering and tamping.	15.00	One RM	390.00	5,850.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
21	Supply and fixing of top fixed, side hung of <b>NCL Seccolor windows &amp; Ventilators of make shakthi/Ajantha/Finesta</b> , fabricated from Roll formed section made of pre painted steel (Base steel as per IS 513 of 0.6 mm thick, 'D' quality, galvanized as per IS 277 with zinc 120 GSM / Sq. Mtr). Section for shutter should be of 46 x 46 mm, external frame should be of 46 x 52 mm, section for glass beading should be of 18 x 25 mm & center mullion should be 46 x 70 mm. The sections to be cut to length, meter joined with corner bracket. Centre mullions are to be fixed using mullion cap. Handle made of high grade aluminium powder coated & with nylon receiver & glazed with 5 mm thick, Modi/Saint Gobain float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Mullion caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws. Approximate size of windows 1.30mx0.9m and 3.00mx2.10m - Double shutter without guard bars(grills)... Excise duty/VAT inclusive .Service tax extra as applicable.	1.35	Sq.m	3,150.00	4,252.50
	<b>Total Value of work</b>			₹	<b>1,48,672.30</b>
<b>Total : ₹ One lakh forty eight thousand six hundred seventy two and thirty paise only</b>					

**Note:**

1	A penalty of 0.5% of the gross value of work shall be levied for every weeks or part there of non-execution/delay in the execution of work subjected to maximum penalty of 10% of the gross value of total part executed.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

**Note :** The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
Excess		
Less		
Estimated value		