



**Tender for Renovation of FP Bay-I Toilets & Misc.
Works at CS & FP, BHEL Jagdishpur**

Tender Enquiry No: BHE/CS&FP/CVL/17-18/05

SECTION – III: BOQ & Price Schedule

This Document shall also consists of following sections: -

- **Annexure PB – I**
- **Annexure PB – II**

BHARAT HEAVY ELECTRICALS LIMITED

(A GOVERNMENT OF INDIA UNDERTAKING)

CS & FP Industrial Area,

Jagdishpur, Amethi (UP) 227817



Centralised Stamping & Fabrication Plant (CS & FP), BHEL Jagdishpur

Name of Work : Renovation of FP Bay-I Toilets & Misc. Works at BHEL Jagdishpur

Annexure PB - I

Bill of Quantities & Price Schedule

S.No.	DESCRIPTION OF WORK	UNIT	Total Qty	% Weightage of Item Amount against Total Amount
1	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	Cum	2.21	0.821
2	Demolishing cement concrete nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) . manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.	Cum	0.83	0.364
3	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	5.04	0.070
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil.	Cum	3.31	0.184
5	Supplying and filling in plinth with sand under floors , including watering, ramming, consolidating and dressing complete.	Cum	0.83	0.256
6	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Long pattern W.C. pan of size 580 mm	Each	6.00	2.842
7	Providing and laying in position cement concrete of 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level :	Cum	1.66	3.273
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars.	Kg	10.00	0.250
9	Providing and laying in position cement concrete of 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level "	Cum	1.46	3.528

Signature BHEL

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S.No.	DESCRIPTION OF WORK	UNIT	Total Qty	% Weightage of Item Amount against Total Amount
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	2.76	6.801
11	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	6.00	1.812
12	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand).	Sqm	18.90	1.509
13	15 mm cement plaster on rough side of single or half brick wall of mix :1:4 (1 cement: 4 coarse sand)	Sqm	6.00	0.555
14	Providing and laying Ceramic matt finish floor tiles of size 300x300 mm (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, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand) , including pointing the joints with white cement and matching pigments etc., complete.	Sqm	36.02	11.890
15	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 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	34.20	11.242
16	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.	Each	6.00	2.166
17	Providing and fixing controlled flush, low level cistern made of vitreous china with all fittings complete 10 litre (full flush) capacity - white.	Each	6.00	3.848

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S.No.	DESCRIPTION OF WORK	UNIT	Total Qty	% Weightage of Item Amount against Total Amount
18	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore.	Each	18.00	0.539
19	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms.	Each	14.00	0.510
20	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :15 mm nominal bore.	Each	8.00	1.312
21	Providing and fixing PTMT pillar cock of approved quality and colour .15 mm nominal bore, 107 mm long , weighing not less than 110 gms.	Each	8.00	0.596
22	Taking Structural steel from BHEL from identified areas and carrying out fabrication work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.(Structural Steel Shall be provided by BHEL Free of Cost)	Kg	45.36	0.414
23	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	2.88	1.983



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Annexure PB - I

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S.No.	DESCRIPTION OF WORK	UNIT	Total Qty	% Weightage of Item Amount against Total Amount
24	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.	Sqm	12.60	15.394
25	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 15mm nominal bore.	Each	8.00	1.680
26	Providing and fixing brass stop cock of approved quality :15 mm nominal bore.	Each	2.00	0.230
27	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. Old work (one or more coats)	Sqm	240.00	3.533
28	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	Each	2.00	0.343



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S.No.	DESCRIPTION OF WORK	UNIT	Total Qty	% Weightage of Item Amount against Total Amount
29	Providing and fixing 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 and finished smooth. Granite Stone of approved shade.	Sqm	3.36	4.200
30	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	Sqm	30.00	15.334
31	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 15 mm dia nominal bore.	Rm	20.00	2.522
			Total %	100.00
Note : GST Payable extra as applicable				



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Annexure PB - II

Summary of Price Schedule

Details of ANNEXURE PB-I	Total Amount (in ₹)
Total Amount (Rupees in Figures) :	
Total Amount (Rupees in Words) :	

Note:

- 1 Total price of the package to be quoted by the bidders which shall form the basis of comparison for deciding lowest bid.**
- 2 In case of any discrepancy between 'Total Quoted Amount (in Figures)' and 'Total Quoted Amount (in Words)', lower of the two 'Amounts' shall be considered for evaluation purpose**
- 3 For further processing & award total quoted Amount for the package by the L1 (lowest) bidder shall be used for deriving Individual item rate by BHEL based on % (percentage) weightage specified at BOQ & Price Schedule (Annexure PB-I).**
- 4 GST Payable extra as applicable**

Signature BHEL

Signature & Seal of Bidder