



BHARAT HEAVY ELECTRICALS LIMITED
 RAMACHANDRAPURAM, HYDERABAD-32
 FACTORY CIVIL ENGINEERING DEPARTMENT

Issued to agency:

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-18/2009-10 , Dt: - 21.12.2009

Item no : 02

Name of work : - Renovation of Toilets in Rig Up Yard - Civil and Electrical Works.

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
	Part - I - Civil Works.				
1	Supply and fixing of new urinary pans, "Parry ware" make, ceramic, Model (Cat 0575)- "New Magnum Urinal" (600 mm x 400 mm) along with all accessories, C.P spreader brackets etc., regular in colour along with partition for Magnum Urinal ceramic, 'Z' type brackets to be screwed to the wall at the bottom, in regular colour etc., complete.	13.00	Each	3933.00	51129.00
2	Supply and fixing with "Parry ware" make Cascade series wash hand basin of size 550 mm x 450 mm oval shape with counter top with centre tap hole, regular in colour with all accessories like brackets, screws etc., complete .	10.00	Each	2024.00	20240.00
3	Supply and fixing of new "Parry ware" make ceramic cascade water closet suite with "P/S" trap including Cascade seat cover (Cat 8012) with all accessories regular in colour along with (water closet suite including with attached flush cistern 10 litres capacity with parry ware flush fittings) etc complete.	5.00	Each	6985.00	34925.00
4	Supply and fixing of new "Parry ware" make Orissa pan size580 mm (Cat 0109/17) with P/S trap box rim with internal foot treads including ceramic low level flushing cistern 10 litres capacity with Parry ware wonder flush kit, regular in colour with all required accessories etc., complete.	5.00	Each	4261.00	21305.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
5	Supply & fixing of 6 mm thick mirror of approved quality "Modi float/Saintgobin glass", with 6 mm thick hard board back and with best quality teak wood frame (design beading) all round the mirror including necessary clamps, polishing to the beading, cost of all materials etc. complete.	4.00	One Sq.m	1445.00	5780.00
6	Providing and fixing shutters along with frames for toilets that are 30 mm thick factory made PVC rigid foam paneled, door and shutters manufactured by M/s. Rajashri made from M.S. tube, 19 gauge thick, size 19x19mm for styles and 15x15mm for top and bottom rails, covered with heat moulded PVC "C" channel of 5mm thick sheet and 30x50mm wide for styles and 5mm thick and 75mm wide PVC sheets for top rail and bottom rail either side and 5 mm thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, paneling of 5mm thick PVC sheet fitted with M.S. frame welded / sealed to the styles and rails with 5x30mm PVC sheet beading on either side and joined together with solvent cement adhesive etc. complete in all respects as per direction of engineer in-charge fixed to frames. This includes providing brass hinges, brass aldrops, brass tower bolts, brass handles and brass door stoppers (For W.C. and bathroom doors).	18.00	One Sq.m	1830.00	32940.00
7	Supply and fixing of toilet doors along with teak wood door frame of required size consist teak scantlings of 100 mm x 75 mm and flush door shutter and laminating both door frame and shutter with premium quality teak vineer in required colour and design and malamine polish. Flush door shutter shall be chemically treated and water/insect/borer proof and 30 mm thick. This includes providing brass hinges, brass aldrops, brass tower bolts, brass handles and brass door stoppers.	11.00	Sq.m	3000.00	33000.00
8	Supply & fixing "Jaquar" make urinal flushing valves for urinal pots in all accessories/Cat: 1077.	13.00	One Each	1320.00	17160.00
9	Supply & fixing "Marc" make oyster series brass bib cocks. With all accessories / Cat: MOY 1030.- 15mm(1/2")	13.00	One Each	506.00	6578.00
10	Supply & fixing "Marc" make oyster series brass pillar cocks. (Cat: MOY 1010) with all accessories etc.- 15mm (1/2")	10.00	One Each	519.00	5190.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
11	Supply & fixing "Marc" make oyster series brass stop cocks. (Cat: MOY 1040) with all accessories.- 15 mm (1/2")	23.00	One Each	698.00	16054.00
12a	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 jointing with grey cement slurry @ 3.3 Kg per Sq.m including poniting in white cement mixed with pigment of matching shade complete.	235.00	One Sq.m	556.80	130848.00
b	Supply & fixing of 18 mm thick best quality approved colour and design machine cut mirror polished granite slabs in required sizes for counter wash basins, floorings, vanity counter, claddings, facias etc. including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of granite slabs shall be Rs. 1600/- per Sq. m and granite slabs of required design and colour will be selected by department.	91.50	sq.m	3070.92	280989.18
13	Supply & fixing in position PVC Pipes of 3" dia 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.	22.00	One RM	345.56	7602.32
14	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.	8.00	One Each	200.00	1600.00
15a	Supply & fixing 15 mm dia Nominal Bore GI pipe medium Grade properties and weight as per IS 1239 ISI mark with GI fittings including the cost of GI pipe & its fittings, chasing brick work/concrete and making good the same ,cost of labour , all materials etc. complete.	45.00	One RM	131.00	5895.00
b	.. Do... 20mm dia (3/4")	40.00	One RM	146.00	5840.00
c	.. Do... 25mm dia (1")	60.00	One RM	191.00	11460.00
16(a)	Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 15 mm (1/2") dia	5.00	One Each	242.00	1210.00
b	.. Do .. 20mm dia (3/4")	4.00	One Each	327.00	1308.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
	c...do ...25mm dia (1")	8.00	One Each	482.00	3856.00
17	Construction of brick masonry chamber of dimension 0.914 x 0.457 x 0.914 m (3' x 1'6" x 3') with brick in CM 1:6 including plastering over both sides with CM 1:4, 20 mm thick and fitted with light weight CI frame and cover of size 0.914 x 0.457 m in CM 1:4 including bed concrete of CC 1:4:8 as required, supplying and fixing one CI steps in brick masonry if necessary if necessary including earth work excavation in all soils, refilling around the chamber removing the surplus earth etc. complete as directed.CI frame and cover of 40 kgs	4.00	One Each	3226.00	12904.00
18	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 914.40 mm(3'.0") depth and refilling with watering and tamping.	17.00	One RM	149.00	2533.00
19	Supply and Fixing PVC Ventilating cowl of 110mm dia.	4.00	Each	14.00	56.00
20	Providing and placing on terrace (at all floor levels) of polyethylene water storage tank of 1000 ltrs capacity with double layer approved brand and manufacture as per ISI with cover and suitable locking arrangement and making necessary holes for inlet and outlet and overflow pipes with fittings (ballcock, inlet and outlet nipples) without base support for tank. (Brick work will be paid seperately).	4.00	Each	6000.00	24000.00
21	Supply and Fixing 12.7 mm PVC connection with brass union nut CP Coated.	23.00	Each	67.00	1541.00
22	Applying two or more coats of distemper with oil bound washable distemper of approved brand and manufacture to given an even shade including preparation of the surface, cost of all labour, material and other incidentals including priming coat with cement primer.	450.00	Sq.m	43.40	19530.00
23	Supply & fixing in position PVC Pipes of 4" dia 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.	65.00	One RM	365.00	23725.00
24	Supplying and fixing P trap 1st quality ISI marked conforming to IS: 1729 - 1979 with C.P Grating fixing with white cement as per site requirements with standard practice - 100 mm dia (4") .	5.00	Each	512.00	2560.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
25	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 gully trap 150 mmx100mm including cost of excavation, PCC 1:4:8, 75 mm thick, all materials, labour etc., complete.	4.00	One Each	321.00	1284.00
26	Removing of Wall Plastering along with Glazed tiles from Walls and flooring and skirting , raking out joints and cleaning the surface for plastering including disposal of rubbish to the dumping ground within a lead of 50.00 M.	328.50	Sq.m	19.10	6274.35
				Total - I	789,316.85
Part - II - Electrical Works.					
S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
1 (a)	Supply & Installation of lighting/fans wiring with 1.5 sq. mm copper conductor single core multi-strand PVC insulated cable run through rigid PVC pipe of suitable size (Sudhakar make) from switch board/FBD to individual points laid on wall/roof including earth continuity for all points with copper wire of 14 SWG with 5 A ceiling rose on teakwood round block.	10.00	Point	372.00	3720.00
(b)	---do--- for 10 Amps Power Switch cum sockets for chargers, pedestal fans and emergency lamps with 1.5 Sq. mm cable.	4.00	Point	372.00	1488.00
2 (a)	Supply and fixing of 10 Amps, 250 V SPT switches for control of light fittings with ROMA, Code: 21 011 of Anchor make or equivalent type of North-West make fixed on a suitable Modular type concealed box with suitable top cover for item 1 (a).	10.00	Set	250.00	2500.00
(b)	Supply and fixing of 230 V, 10 Amps switch cum sockets of ROMA code: 21 003 & 30 373 of Anchor make or equivalent type of North-West make fixed on a suitable Modular type concealed box with suitable top cover for item 1 (b).	4.00	Set	400.00	1600.00
3	Supply and installation of Energy efficient light fitting, T5 type 2 x 28 W industrial luminaire with 28W T5 Fluorescent lamps. This includes supply & fixing of downrods, round blocks, connecting the copper twin twisted wire from ceiling rose to fitting and other accessories. Make: Philips/Asian Electronics	6.00	Set	1800.00	10800.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
4	Supply and installation of 300 mm (12") sweep exhaust fans, which includes assembling and testing of all fans. The fans are to be rigidly fixed to wall with suitable arrangement. Black colour, double ball bearing, low noise, white epoxy powder coated paint finish with bird guard. Make: Orient/Usha/Crompton.	4.00	Set	1600.00	6400.00
5	Disconnection of power supply and dismantling of existing light fittings, fans, power boards, cables and other accessories. The removed items are to be handed over to concerned section.	LS	LS	500.00	500.00
				Total -II	27,008.00
	Total Part -I & Part-II (Civil & Electrical)				816,324.85
	Total : Rs. Eight Lakhs Sixteen thousand Three hundred Twenty five only.				

Service Tax:- The Service tax as applicable is extra which will be paid by BHEL to the agency after submission of necessary valid documents by the agency.

NOTE:

- Contractor shall supply all clamps, cable glands, PVC Pipes, metal boards, ceiling roses, fasteners, switches, switch boards, lugs and all other accessories.
- The size of the conduit shall be selected as per the relevant IS standards.
- The PVC Copper cable shall meet IS 694 with latest amendments and make shall be Finolex/RPG/L&T/V-Guard/Northwest/Hawells only.
- Metal Boxes, Cover plates, Inner plates shall be of Anchor make or equivalent North-west make only with the approval of Engineer-in-charge.

Note : The Tenders are required to quote the tender value on percentage (%) basis at excess or less or on as per estimate value

Tender %	In figure	In words
Excess		
Less		
Estimated Rate only		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer