



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-10/2011-12, Dt:- 10.08.2011

PRICE BID

Item no : 1

Name of work: Renovation of Toilets in blocks and Annexes in Factory area.

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
PART - I (CIVIL WORKS)					
1	Dismantling doors, windows and clerestory windows (steel & wood) shutters including chowkhats, architrave, holdfasts etc. complete including conveying and stacking within 2.00 Km lead for area less than 3 Sq.m	72.00	Each	54.60	3,931.20
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 2.00 Km lead.	16.00	Sq.m	9.02	144.32
3	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.	1,096.00	Sq.m	19.10	20,933.60
4	Demolishing brick work manually /by mechanical means including stacking of serviceable materials and disposal of unserviceable material within 2.00 Km lead as per direction of Engineer-in-charge. - In cement mortar.	36.00	Cu.m	355.88	12,811.68
5	Demolishing R.C.C. work manually / by mechanically means including stacking of steel bars and disposal of unserviceable materials within 2.00 Km lead as per direction of Engineer - in - charge.	5.00	Cu.M	582.68	2,913.40
6	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to floor five level in all shapes and sizes in cement mortar 1:6.	9.00	Cu.M	2,463.60	22,172.40
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).	9.00	Sq. m	3,257.45	29,317.05
8	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding grills with binding wire all complete by cold twisted bars.	10.75	M T	42,700.00	4,59,025.00
9	Centering and shuttering including strutting, propping etc. and removal of form work, for columns, pillars, peirs, abutments, machine foundations, posts and struts.	36.00	Sq. m	180.40	6,494.40
10	Cement Plaster to ceiling / walls with 12 mm cement plaster finished with a floating coat of neat cement of mix 1:3 (1 Cement : 3 fine sand).	54.00	Sq. m	107.80	5,821.20

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
11	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 - The rate quoted shall also include cost of dismantling existing urinary pans with all fittings and handing over to divisional stores.- The rate quoted shall also include cost of dismantling existing urinary pans with all fittings and handing over to divisional stores.	54.00	Each	3,933.00	2,12,382.00
12	Supply and fixing with "Parry ware" make Cascade series wash hand basin below counter, oval basin of size 550 mm x 450 mm with all accessories like brackets, screws, PVC connections etc., complete . Colour: Silky Off - White. Code No.: C0418 - The rate quoted shall also include cost of dismantling existing wash hand basin with all fittings and handing over to divisional stores.	54.00	Each	2,024.00	1,09,296.00
13	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) - The rate quoted shall also include cost of dismantling existing water closet with all fittings and handing over to divisional stores.	18.00	Each	6,985.00	1,25,730.00
14	Supply and fixing of new "Parry ware" make Orissa pan size 580 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 -The rate quoted shall also include cost of dismantling existing Pan with all fittings and handing over to divisional stores.	36.00	Each	4,261.00	1,53,396.00
15	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.	18.00	Sq.m	1,445.00	26,010.00
16	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 height	405.00	Sq.m	95.10	38,515.50

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
17	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).	108.00	Sq.m	1,830.00	1,97,640.00
18	Supply and Fixing door,frame made out of 100 X 75 mm teak wood scantlings including supply and fixing in position single leaf flush shutters of 30 mm thick commercial ply of approved make, supply and fixing anodised aluminium fixtures and fittings, 3 Nos of MS hinges 4" long, 6 Nos of MS hold fasts of 150 X 150 mm made out of 200 X 50 X 6 mm fixed to the frame with suitable screws and painting the sides of the frame coming into contact with, masonry with one coat of bitumen paint etc, complete. (The fixtures and fittings shall consist of 16 mm dia 30 cm long aldrop 1 No. 1 No. of 12mm dia 230 mm long tower bolt and 150 mm long plate handles 2 No.s door stoppers - 1 No.) Bottom 300 mm height is to be fixed with decolam on both sides of the shutters as kick plate.	36.00	Sq.m	3,180.00	1,14,480.00
19	Providing & Fixing of top fixed, side hung of NCL Secular windows 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 150 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, metre 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 4 mm thick, modi float glass. Gasket made of E.P.D.M. Corner brackets made of C.R.C.A with zinc phosphating. Million caps made of glass filled nylon. The above frames should be fixed to the concrete / masonry walls by means of self expanding screws.	22.00	Sq.m	3,000.00	66,000.00
20	Supply & fixing "Jaquar" make urinal flushing valves for urinal pots in all accessories/Cat: 1077.	54.00	Each	1,320.00	71,280.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
21	Supply & fixing "Marc" make oyster series brass bib cocks. With all accessories / Cat: MOY 1030.	54.00	Each	506.00	27,324.00
22	Supply & fixing "Jaquar" make Pressmatic pillar cock for wash basins, with all accessories. (Cat: 031)	54.00	Each	519.00	28,026.00
23	Supply & fixing "Marc" make oyster series brass stop cocks. (Cat: MOY 1040) with all accessories.	108.00	Each	698.00	75,384.00
24	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.	540.00	Sq.m	556.80	3,00,672.00
25	Supply & fixing 10 mm thick best quality approved colour and design machine cut granite tiles of size 600 mm x 300 mm with mirror polished granite stone for flooring, platforms, cladding, vanity counter Facia etc and for any other locations including cutting, champering, rounding and mirror polishing etc. complete as directed. Cost of the granite shall be Rs. 650/- per sq. m and tiles will be selected by department within the above specified cost.	288.00	Sq.m	810.00	2,33,280.00
26	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.	54.00	Sq.m	3,070.92	1,65,829.68
27	Painting with two or more coats of oil bound distemper over a coat of primer to new walls at all heights of the building for inside side walls over three coats of Altek lappam finish (Only OBD paint will be issued free of cost by BHEL at their stores)	540.00	Sq.m	84.10	45,414.00
28	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.	180.00	R M	108.70	19,566.00
29	Supply & fixing in position PVC Pipes of 110 mm dia of 6 Kg/Sq. cm of approved quality and conforming to IS:4985/2000 with specials, accessories and approved sealing / jointing compound on the exterior of the inserted portion and jointing to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete.	90.00	R M	211.00	18,990.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
30	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.	72.00	Each	200.00	14,400.00
31	Supply & fixing 15 mm dia Nominal Bore GI pipe, Class a) B 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. Make: Tata / Jindal / Zenith	270.00	R M	131.00	35,370.00
	b) .. Do... 20mm dia (3/4")	180.00	R M	146.00	26,280.00
	c) .. Do... 25mm dia (1")	180.00	R M	191.00	34,380.00
32	Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 15 mm (1/2") dia	36.00	Each	242.00	8,712.00
	b) .. Do .. 20mm dia (3/4")	36.00	Each	327.00	11,772.00
	c) .. .do ...25mm dia (1")	36.00	Each	482.00	17,352.00
33	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 separately).	39.00	Each	6,000.00	2,34,000.00
34	Supplying, laying, jointing and testing 152.4 mm (6") 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 any soil (except rock requiring blasting) up to 1524 mm (5'.0") depth and refilling with watering and tamping.	90.00	RM	254.00	22,860.00
35	Supply & fixing PVC Ventilating cowl of 110 mm dia.	43.00	Each	14.00	602.00
36	Supply & fixing 12.7 mm PVC connection with brass union nut CP coated.	108.00	Each	67.00	7,236.00
37	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.	36.00	Each	321.00	11,556.00
		TOTAL:		30,17,299.43	

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
	PART - II (ELECTRICAL WORKS)				
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.	110.00	Point	372.00	40,920.00
(b)	---do--- for 10 Amps Power Switch cum sockets for chargers, pedestal fans and emergency lamps with 1.5 Sq. mm cable.	36.00	Point	372.00	13,392.00
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).	110.00	Set	250.00	27,500.00
(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	1,600.00
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	75.00	Set	1,800.00	1,35,000.00
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.	75.00	Set	1,600.00	1,20,000.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
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.	86.00	each	500.00	43,000.00
		TOTAL:		3,81,412.00	
	Total Value of work (Part I +Part II)			Total Rs:	33,98,711.43
Total : Rs. Thrity three lakhs ninty eight thousand seven hundred and eleven only.					

Service Tax: Service tax is extra as applicable, which will be reimbursable to the agency on production of Valid documents.

Note:- The agency should plan to take up the all renovation of toilet works at the same time (i.e, commencement of work).

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

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer