

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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-45/2014-15, Dt: 11.03.15

PRICE BID

Item no.: 3

**Name of work :-Providing toilet at 01 annexe for physically
handicaped persons.**

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
1	Dismantling reinforced cement concrete / plain cement concrete and disposing of debries upto a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	1.50	Cu.m	582.68	874.02
2	Dismantling brick masonry walls for all heights, removing and clearing the debries and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	2.00	Cu.m	355.88	711.76
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkats, archi remove the existing window along with frames including chasing brickwork /concrete and stacking them as directed by Engineer-in-charge.	3.00	Each	54.60	163.80
4	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 with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) -(Cement only will be issued on free of cost by BHEL)	2.00	cu.m	1687.00	3374.00
5	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,foundations, posts and struts	10.00	Sq.m	119.25	1192.50
6	Reinforcement for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars.	0.10	M.T	4003.00	400.30
7	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to ground floor in all shapes and sizes in cement mortar 1:6.(Cement only will be issued on free of cost by BHEL)	2.00	Cu.M	2104.00	4208.00
8	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 level.(Cement only will be issued on free of cost by BHEL)	46.00	Sq.m	65.80	3026.80

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
9	Supply and fixing of new urinary pans, "Parry ware" make, ceramic, Model (Cat 0575)- "New Magnum Urinal" (590 mm x 400 mm) along with all accessories, C.P spreader brackets etc., along with partition for Magnum Urinal ceramic, 'Z' type brackets to be screwed to the wall at the bottom. Colour - Silky Off - White	2.00	Each	3697.02	7394.04
10	Supply and fixing with "Parry ware" make Cascade pedestal ceramic wash hand basin of size 550 mm x 440 mm and pedestal size 705 mm height, with centre tap hole with all accessories like brackets, screws, PVC connections etc. complete. Colour: Silky Off - White.	2.00	Each	1902.56	3805.12
11	Supply and fixing of new "Parry ware" make Elite - European water closet of size 530 mm x 400 mm, with "P/S" trap including PVC Slimline Dual flush tank (Cistern) of size 475 mm x 318 mm (Code No. C8109), EWC standard seat cover (Cat C8071) with all accessories like Parryware flush kit suitable to the above flush tank, brackets, screws, connecting pipe from flush tank to EWC, PVC Connections etc. complete. Colour: Silky Off - White.	2.00	Each	1880.00	3760.00
12	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.	1.00	Sq.m	1358.30	1358.30
13	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.	6.00	RM	238.76	1,432.56
14	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).	4.00	Sq.m	1720.20	6880.80

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
15	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 veneer 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.	2.42	Sq.m	3116.40	7541.69
16	Supply & fixing "Marc" make Oreintal series brass bib cocks, with all accessories / Cat: MOR 1030.	4.00	Each	475.64	1902.56
17	Supply & fixing "Marc" make oyster series brass pillar cock for wash basins, with all accessories. (Cat: MOY1010)	4.00	Each	487.86	1951.44
18	Supply & fixing "Marc" make Oyster series brass stop cock with all accessories.	4.00	Each	656.12	2624.48
19	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.	42.00	Sq.m	523.20	21974.40
20	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.	15.00	sq.m	2886.74	43301.10
21	Supply & fixing in position PVC Pipes of 3" dia(as per IS 6kg/sq.m) 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.	20.00	RM	102.17	2043.40
22	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.	1.00	Each	188.00	188.00
23	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. Make: TATA/JINDAL/ZENITH	20.00	RM	123.14	2462.80
24	.. Do... 20mm dia (3/4")	25.00	RM	137.24	3431.00
25	.. Do... 25mm dia (1")	15.00	RM	179.54	2693.10

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
26	Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 20mm dia (3/4")	3.00	Each	307.38	922.14
27	...do...25mm dia (1")	1.00	Each	453.08	453.08
28	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.	1.00	Each	301.74	301.74
29	Construction of brick circular Manhole of 1.22 M at bottom and 0.56 m dia in cement mortar 1:4 (1 cement: 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement: 4 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 finished with a floating coat of neat cement all complete as per standard design, complete. 1.68 m deep with SFRC cover and frame, 560 mm internal diameter conforming to IS 12592, total weight of cover and frame to be not less than 182 kg fixed in cement concrete 1:2:4 including centring shuttering all complete. with FPS brick class designation 75.	1.00	Each	6157.00	6157.00
30	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls, floors with cement concrete 1:2:4 mix (1 cement : 2 coarse sand: 4 graded stone aggregate 40mm nominal size) cement plastered on bothside with cement mortar 1: 3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement and making necessary channel for the drain etc. complete. for pipes 250mm to 300 mm diameter.	1.00	each	205.40	205.40
31	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).	1.00	Each	6000.00	6000.00
32	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. (OBD only will be issued free of cost by BHEL)	46.00	Sq.m	34.60	1591.60
33	Removing the existing one and Supply and fixing Magnum urinal partition with all accessories. Make: Parryware	2.00	Each	2,796.00	5,592.00

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
34	Removing the existing one and Supply and fixing urinal spreader with all accessories. Make: Parryware	2.00	Each	420.00	840.00
35	Supply and fixing of stainless steel tubular railing 15 mm dia, 0.5-0.6 m length for holding .	12.00	Each	500.00	6,000.00
36	Supplying and fixing plain PVC pipe of 110 mm dia of approved quality with specials, accessories and approved sealing / jointing compound on the exterior of the inserted portion of the fitting and fixing in position and jointing to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete.	7.00	R M	97.62	683.34
37	Supply & fixing PVC Ventilating cowl of 110 mm dia.	1.00	Each	13.16	13.16
38	Supply & fixing P Trap 1st quality ISI marked conforming to IS:1729 - 1979 with CP grating fixing with white cement as per site requirements with standard practice - 100 mm dia (4") .	2.00	Each	481.28	962.56
39	Supply and fixing of Soap dish	2.00	Each	452.67	905.34
40	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.	1.00	Each	3032.44	3032.44
41	Supply and fixing glazed steel windows and ventilators of approved make including supply and fixing 4 mm thick plain glass with best quality putty. MS handles and peg stays including painting with two coats of synthetic enamel paint over one coat of red oxide paint including supplying and fixing weldmesh 50 x 50 mm (8G x 8 g). The window section and fabrication shall confirm to I.S. 1038.	1.10	Sq.m	1024.88	1127.37
Total part -I					163483.14
	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
1	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.	7.00	Point	313.96	2197.72
2	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).	7.00	Set	211.00	1477.00

S. No	Description	Appro. Qty	Unit	Rate in Rs	Amount (Rs)
3	Supply, Shifting, Assembly, Erection, Testing & Commissioning of complete units of 2x36W Phillips make of Tube light fittings. The light fitting shall be fixed with suitable down rod, ball & socket etc and the supply of the material is in the contractor's scope .The job includes supply of 1.5sq.mm copper wire for connection between ceiling rose and TL.	29.00	Each	2949.00	85521.00
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.	1.00	Set	1350.40	1350.40
B		Total Part -II			90546.12
	Estimated value of work				254,029.26
Rs. Two lakh fifty four thousand twenty nine and paise twenty six only					

Note:

1	A penalty of 0.50 % of the gross value of work will be levied for every week's or part thereof delay in execution of work by the agency, subject to a maximum penalty of 10 % of gross value of the total work 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.
3	100% Security Deposit is to be deposited before start of the work by the contractor
4	Delay in payment (within 15 days from the date of LOI) of SD may entail interest of the rate of 18%.
5	As This is one time work, payment to be released after completion of work.

Note : The bidders are required to quote the tender value on percentage (%) basis at

Tender %	In figure	In words
Excess		
Less		
Estimated value		