

**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.: 4

Name of the Work:- Providing dining facility in O2 shop East annexe.

Part-I: Civil works					
S. No	Description	Approx. Qty	Unit	Rate in Rs	Amount (Rs)
1	Dismantling steel work in built up sections in angles tees, flats and channels including all guest plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	2.60	One MT	890.11	2314.29
2	Dismantling brick masonry walls for all heights, removing and clearing the debries and caring away upto a 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.	11.50	Cu.M	355.88	4092.62
3	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.	1.00	cu.m	3072.60	3072.60
4	Providing and laying in position cement concrete of specified garde 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).	1.00	cu.m.	1587.00	1587.00
5	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 will be issued free of cost by BHEL	7.00	Cu.M	2,104.00	14728.00
6	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)	56.00	Sq.m	65.80	3684.80

S. No	Description	Approx. Qty	Unit	Rate in Rs	Amount (Rs)
7	Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at their stores.	1.40	MT	6747.58	9446.61
8	Erection of Steel work out lined in item No.27a above including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required.	1.40	MT	2891.80	4048.52
9	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by B.H.E.L at their stores.	1.40	MT	596.50	835.10
10	Providing and fixing false ceiling frame made out of 25 x 25 x 1.3 mm aluminium 'T' and wall angles in a grid pattern of 0.60 x 0.60 mtrs suspended with 6 mm dia MS rounds with adjustable bolt etc. including cost of all materials, labour etc complete.	38.50	sq. m	349.38	13451.13
11	Providing and fixing false ceiling boards / tiles of size 0.60 x 0.60 M including removing the damaged ceiling tiles etc., complete with the following boards. 19 mm thick Thermocole board	38.50	sq.m	56.78	2186.03

S. No	Description	Approx. Qty	Unit	Rate in Rs	Amount (Rs)
12	Supplying and laying of vitrified tiles of brighter shades and marble design of Premium Quality (1st quality) in required texture, design and colour, for flooring /skirting /cladding using vitrified tiles of size 600 x 600mmx8 mm thick of approved make. It includes cost of cutting, champering of tiles to required size, with base of Conmax C - 500 tile adhesive for fixing tiles on existing mosaic/cement flooring, jointing the tiles with colour tint etc. complete as directed by Engineer-in-charge. The rate quoted shall include cost of all materials, labour, adhesives, colour tint material, leads and lifts etc. complete. Amount will be paid on the basis of measurement of the area of finished work only. It also includes surface preparation of existing ceramic floor giving necessary slopes, cleaning joints and grouting joints with pigmented additives to match shade of the tile, making pockets for electrical, communication, network cables etc. complete as directed by Engineer-in-charge. Amount will be paid on the basis of measurement for finished work only.	38.50	Sq.m	920.34	35433.09
13	Supplying and fixing aluminum door shutters with single/double made out of new anodised aluminum box section of size 44.50x 47.50x 2.00mm for verticals, top and middle rails and 101.60x44.50x2.00mm for bottom rail inclusive of supply and fixing of all aluminum fixtures and fittings such as handles 2 nos, 1 No of tower bolt 12mm dia 200mm long, 1 No of hydraulic door closure of IS specification , 3 nos. of 4" long(100mm) but hinges, stopper 1 No and suitable locking arrangement etc. complete all as directed by Engineer in charge etc. complete. Wherever members are joined wooden runners are to be inserted in te box section for taking hinges, tower bolts, handles, hydraulic door closure and providing necessary rubber bedding for closing of door shutters all as directed by Engineer-in-charge. The rate shall include cost of door frame using aluminium box sections of size 101.60x44.50x2.00mm. etc., complete all as directed by Engineer-in-charge.	2.52	sq.m	2918.40	7354.37
14	Thorough cleaning of existing oil bound distemper paint/white washing with water by scrapers or any other suitable tools and applying one coat of oil based cement primer and applying 3 coats altek lappam one coat after drying the previous coat and sand papering and applying one coat of oil bound cement primer etc., complete as directed by the Engineer-in-charge. (Only OBD Paint will be supplied by BHEL).	400.00	sqm	84.10	33640.00

S. No	Description	Approx. Qty	Unit	Rate in Rs	Amount (Rs)
15	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.	120.00	One Sq.m	41.60	4992.00
			Total Part-I		140866.16
Part-II: Electrical works					
1	Supply and execute the concealed / surface PVC/MS Pipe wiring with 1.5 sq. mm 660 / 1100. V. Grad PVC insulated copper wire multi strand of make Finolex / Rediant / fincab/ Havells/ L&T. In PVC pipe of suitable dia (As per IS for wiring points) with 14 G/1.5sq.mm green colour copper wire for earth continuity. Each light / fan point should be connected to three plate ceiling rose code 30090 of Roma modular type of Anchor or North West make / connector suspended duly with couduit / PVC pipe etc. Each circuit should not have more than 7 points 700 watts.	15.00	Pts	1,069.00	16,035.00
2	Supply and fixing of 3pin, 250 V. 10 Amps power socket cum switch with indication Roma type code 21113 and 21033 of Anchor make or North West. Fixed on suitable modular type concealed box top cover. Testing & commissioning.	1.00	Nos	400.20	400.20
3	Supply & Installation of ceiling fans 56" (1400mm) sweep, 220/240V, complete unit with regulator, 300mm down rod, canopy, blades etc. Make: Usha/GEC/Orient/Crompton Greaves. New deluxe with double ball bearing (white) confirming to IS: 374/79 class-I. Testing and Commissioning. The job involves with supply of concealed ceiling fan hook of 16 G sheet steel round/square as required 2 1/2" deep & 10mm dia fan hook having 1" pipe conduit entry holes on all four sides.	4.00	each	1,988.00	7,952.00
4	Supply and fixing of 10 Amps 250 V. SP switches for control of light fitting and fans with Roma Type code : 21011 of Anchor or North West make . Fixed on a suitable modular type concealed box with suitable top cover. Testing & commissioning.	14.00	Nos	259.40	3,631.60

S. No	Description	Approx. Qty	Unit	Rate in Rs	Amount (Rs)
5	Supply, shifting, assembly, erection , testing and commissioning of complete units of 2x36w Phillips make of tube light fittings. The light fitting shall be fixed with suitable down rod, ball and socket etc., and the supply of the materials is in the contractor's scope . The job include supply of 1.5sqmm coper wire for connection between ceiling rose and TL.	10.00	Each	2,949.00	29,490.00

57,508.80

Estimated value of work

Total A + B

198,374.96

Rs. One lakh ninety eight thousand three hundred seventy four and paise ninety 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 excess or less or on par with estimate value in figures and words.

Tender %	In figure	In words
<u>Excess</u>		
<u>Less</u>		
<u>Estimated value</u>		