



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-12/2014-15, Dt: 14.06.2014

PRICE BID

Item no.:3

Name of work: Improvement works in New blade shop (civil works) for Air conditioning system.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Earth work in excavation in all soils by mechanical means (Hydraulic Excavators) / manual means in foundations trenches or drains (not exceeding 1.5m in width or 10 Sq.m on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50M.	2.30	Cu.M	130.80	300.84
2	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 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size). (Cement only will be issued on free of cost by BHEL)	1.80	Cu.M	1,560.00	2,808.00
3	Providing and laying in position specified grade, of 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)	5.90	cu.m	1,587.00	9,363.30
4	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.(Reinforcement will be issued on free of cost by BHEL)	0.50	M.T	4,003.00	2,001.50
5	Centering and shuttering including strutting, propping etc.; and removal of form work, for foundations, footings, bases of columns etc. for mass concrete- up to plinth level.	6.30	Sq.m	119.25	751.28

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
6	Supply & fixing of full height aluminium door with double leaf manual slide opening mechanism at main entrance in required size made out of anodised aluminum box section of size 44.50x47.50x2 mm for verticals, top and middle rails and 101.60x44.50x2 mm for bottom rail inclusive of supply & fixing of all aluminium fixtures and fittings suitable to the door sliding mechanism, handles, suitable locking arrangement etc. complete, wherever members are joined wooden runners are to be inserted in the box section. This includes grouting of rails/aluminum sliding sections to the floor properly etc. complete as directed by Engineer-in-charge. Providing & fixing of 12 mm toughened glass with rubber beading with screwless snap on clips etc. for top portion of the door frame of approximate size 3' x 2.5' on each door leaf and 12 mm thick "Novapan" particle board, exterior grade, laminated on both sides fixed to bottom portion of the door frame of approximate size 3' x 4.5' on each door leaf with rubber beading, screwless snap on clips etc. complete. (No. of door - 1, door leaf - 2 Nos. and the approximate size of the door	12.25	Sq.m	3,760.00	46,060.00
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	1.00	MT	6,656.14	6,656.14
8	Erection of Steel work out lined in item No.7 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.	1.00	MT	2,852.61	2,852.61
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.	1.00	MT	524.92	524.92
10	Fabrication and fixing inserts in concrete wall with lugs of required dia welded to the insert plates. (St. Steel, electrodes and gas required for work will be issued on free of cost by BHEL at their stores)	0.20	MT	2,863.00	572.60

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Fixing of Tracdek Hi-rib single skin galvalume / Zincalume sheets of 0.5 mm thick. One Meter width and length upto 12 M with Factory cut and fixing to the roof shall be crest fixed to roof purlins with number 12-14 x 55 mm long polymer coated galvanized hex-head self drilling screws with integral washers and EPDM seals (4 fasteners per support) for sheet etc., complete as directed. (Including cost of galvalume sheets). - for roofing bare galvalume.	72.00	Sq.m	81.80	5,889.60
12	Supply & Installation of 0.5 mm thick colour galvalume sheet flashings hood / ridges/ triangular portion closers to require shape with self threaded screws etc. complete as directed.	156.00	Sq.M	736.20	1,14,847.20
13	Supply & fixing of water proofing membrane, TEXSELF 1.5 AL foil finish, Self adhesive, elastomeric SBS Bitumen - based, with an embossed aluminium foil finish on the upper side and an easily removable silicon film on the underside with an overlap of 75 mm on the longitudinal and 100 mm on the transverse directions and sealing all overlap joints with rubber roller to make the surface monolithic. The above membrane shall be fixed after thorough cleaning of surface and shall be free from grease, oil, dust, loose (or) badly adhered materials and any general dirt and applying PIBIAL, solvent based bituminous primer @ 0.300 Kg/Sq.m, on thorough cleaned surface and before fixing of TEXSELF 1.5 AL foil finish, self adhesive, water proofing membrane, as directed by Engineer-in-charge. It includes cost of all materials, labour, transportation charges, 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. The work is to be carried out through authorised applicator of the manufacturer.	40.00	Sqm	560.28	22,411.20
14	Flooring in 25mm thick using 1 cement and 3 parts of granite stone chips of 3 to 10mm gauge (no sand) ellis pattern first sort including neat finishing , curing, cost of materials etc.; complete.	36.00	Sq.m	130.40	4,694.40

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
15	Applying two coats of oil bound distemper of given shade over a coat of primer including through cleaning of the surfaces, cost of all labour and other incidentals. (Only OBD, OBD Primer Paint will be supplied by BHEL)	648.00	Sq.m	34.60	22,420.80
	Total value of work			₹	2,42,154.39
Total : ₹ Two lakhs forty two thousand one hundred fifty four and thirty nine paise 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.

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
Excess		
Less		
Estimated value		