



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-06/2011-12, Dt: - 11.06.2011

**PRICE BID**

Item no : 4

**Name of work: Construction of intermediate stores for EM shop.**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	1.20	Cu.m	582.68	699.22
2	Dismantling steel work in built up sections in angles tees, flats and channels including all gusset plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	1.00	MT	890.11	890.11
3	Dismantling <b>brick masonry</b> walls for all heights, removing and clearing the debris 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.	5.00	Cu.m	355.88	1,779.40
4	<b>Earth work in excavation in all soils</b> 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.	9.00	Cu.m	103.40	930.60
5	Providing and laying in position <b>cement concrete</b> of specified grade excluding the cost of centering and shuttering including consolidation by vibrations for all works up to plinth level with <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	1.00	Cu.M	2,449.00	2,449.00
6	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works <b>up to plinth level</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	3.00	Cu.M	3,732.00	11,196.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
7	<b>Filling</b> with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering, lead upto 50.00 m and lift upto 1.50 m.	5.00	Cu.M	45.70	228.50
8	<b>Conveyance</b> of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	4.00	Cu.M	56.41	225.64
9	<b>Reinforcement for R.C.C. work</b> including straightening, cutting, bending, placing in position and binding grills with binding wire all complete by cold twisted bars.	0.24	M.T	42,700.00	10,248.00
10	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts.	21.00	Sq.m	180.40	3,788.40
11	<b>Brick work</b> 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.	17.00	Cu.M	2,463.60	41,881.20
12	Plastering in <b>CM 1:6, 20 mm</b> thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc, complete -Upto 10.00 M level.	178.00	Sq.m	95.10	16,927.80
13a	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.	5.00	MT	7,563.80	37,819.00
b	Erection of Steel work out lined in item No.13a 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.	5.00	MT	3,241.60	16,208.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
c	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.	5.00	MT	596.50	2,982.50
14	Supplying and fixing of Tracdek Hi-rib single skin galvalume / Zinalume 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., compete as directed. (Including cost of galvalume sheets). - for roofing bare galvalume.	250.00	Sq.m	545.90	136,475.00
15	Providing and fixing barge boards in required girth (200 mm horizontal, 200 mm vertical) with 0.50 mm color galvalume sheets upto a length of 2.50 M, fixed to steel members with self drilling / self stitching fasteners at maximum 500 mm c/c along the length of capping, flashing etc., complete as directed by Engineer-in-charge including the cost of galvalume sheets, fixtures, fittings etc., complete.	24.00	Sq.m	800.40	19,209.60
16	Supplying and fixing plain PVC pipe of <b>200 mm dia</b> 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 joing to MS gutters, including cost of all materials, sealing compound, labour etc., for all heights complete.	8.00	RM	640.17	5,121.36
17	Supplying and fixing aluminum door shutters Double leaf 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 4 nos, 1 No of tower bolt 12mm dia 200mm long, 2 No of hydraulic door closure of IS specification, 6 no of 4" long(100mm) but hinges, stopper 2 No and suitable locking arrangement etc. complete all as directed by Engineer in charge etc. complete.	12.00	Sq.m	3,927.20	47,126.40
18	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.	12.00	Sq.m	1,114.00	13,368.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
19	Applyinhg <b>exterior emulsion paint two coats</b> of given shade on old surfaces of walls at all heights of the buildings of shop annexes including scraping the old surfaces, cost of all labour and other incidentals. (Only exterior emulsion Paint will be supplied by BHEL).	180.00	Sq.m	20.55	3,699.00
20	Applying <b>two coats of synthetic enamel paint</b> of given shade on old wood work including scraping old surfaces, cost of all labour, tools and other incidentals etc.complete.(Only Synthetic enamel Paint will be supplied by BHEL) - for doors and windows.	62.40	Sq.m	20.00	1,248.00
21	Repairs to sliding doors / rolling shutters / panelled type doors / collapsible gates etc., in factory area including lowering of shutters, repairing in all respects such as straightening of bends, welding of sheets or angles, wherever required and reerecting the same including locking angements, before and after closing the doors. The doors to be finished in good condition as directed by Engineer-in-charge. - Repairs to shutters.	48.00	Sq.m	287.50	13,800.00
	<b>Total Value of work</b>			<b>Total Rs:</b>	<b>388,300.73</b>
<b>Total : Rs. Three lakhs eighty eight thousand three hundred one only</b>					

**Service Tax:-** All taxes inclusive except 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 :** The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimate value

Tender %	In f igure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer