



**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 : 3

**Name of work: Construction of New storage area for 08 Common work shop at Columns A11-A12 (south side).**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Dismantling <b>brick masonry</b> 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.	3.00	Cu.m	355.88	1,067.64
2	<b>Earth work in excavation in all soils</b> by mechanical means (Hydraulic Excavtors) / 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.	41.00	Cu.m	103.40	4,239.40
3	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 <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	10.00	Cu.M	2,449.00	24,490.00
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 <b>1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).	12.00	Cu.M	3,257.45	39,089.40
5	Coursed rubble masonry in second sort with hard stone in foundation and plinth with cement mortar 1:6 (1 cement : 6 coarse sand).	6.00	Cu.M	1,913.10	11,478.60
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
7	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, peirs, abutments, machine foundations, posts and struts.	13.00	Sq.m	180.40	2,345.20
8	<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

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
9	<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.	22.00	Cu.M	45.70	1,005.40
10	<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.	19.00	Cu.M	56.41	1,071.79
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.	11.00	Cu.M	2,463.60	27,099.60
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.	112.00	Sq.m	95.10	10,651.20
13	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.	78.00	Sq.m	196.00	15,288.00
14	Erection of steel doors for M.S. steel partition for cabins (weldmesh, glazed or panelled) with required M.S. posts and all accessories such as hinges, aldrops etc., including gas cutting, welding etc., complete as directed by Engineer-in-charge. (The rate shall include for fixing glass panes after erection of door in case of glazed doors). (Size approximately 1.20Mx2.40M)	12.00	Sq.m	376.80	4,521.60
15a	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	3.00	MT	7,563.80	22,691.40
b	Erection of Steel work out lined in item No.15a 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.	3.00	MT	3,241.60	9,724.80

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.	3.00	MT	596.50	1,789.50
16	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	160.00	Sq.m	545.90	87,344.00
17	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.	6.00	One Sq.m	800.40	4,802.40
18	Applying <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 issued by BHEL on FREE of cost at their stores).	112.00	Sq.m	20.55	2,301.60
19	Fabrication and fixing of <b>M.S holding down bolts</b> , threaded both sides including supply of nuts, washers etc., complete as directed. (M.S. rounds as per required size will be issued on free of cost at BHEL stores).	0.02	MT	26,476.30	397.14
20	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.	0.40	MT	890.11	356.04
21	Dismantling of Galvalume sheet roofing including ridges, hips valleys and gutters etc; and stacking the material within 50 metres lead .	26.00	Sq.m	24.70	642.20

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
22	Repairs to the existing doors/windows, removing the bends and re-fixing them in position including cutting, planning etc., complete. The work includes the removal of glass panes and doors/windows if any and re-fixing them in position. The rate quoted shall include cost of all materials required for the work such as nails, screws, Fevicol etc.	4.00	Sq.m	58.20	232.80
<b>Total Value of work</b>				<b>Total Rs:</b>	<b>294,073.72</b>
<b>Total : Rs. Two lakhs ninty four thousand seventy four 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 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**