



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

**SCHEDULE- A**

**PRICE BID**

Tender Notice No:  
 HY/FCD/OT-10/2009-10 , Dt:02.09.2009  
 Item no: 03

**Name of Work : Modification of Waste Oil storage Facility at 32 stores -  
 Phase -II ( Galvalume sheet roofing).**

S. No	Description	Approx Qty	Unit	Rate in 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.	10.00	One Cu.m	582.68	5826.80
2	<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.	75.00	One Cu.m	103.40	7755.00
3	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual means over areas (exceeding 30 cm in depth , 1.5 m in width as well as 10 Sq.m on plan) including disposal of excavated earth , lead upto 50 m and lift upto 1.5 m, disposing earth to be levelled and neatly dressed for <b>Hard Rock</b> (Blasting prohibited).	10.00	One Cu.m	325.25	3252.50
4	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).	15.00	One Cu.m	2449.00	36735.00
5	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 ).	40.00	One Cu.m	3732.00	149280.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
6	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for foundation ,footings,bases of cloumns , etc for mass concrete.	100.00	One Sq.m	119.25	11925.00
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.	40.00	One Cu.m	45.70	1828.00
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.	40.00	One Cu.m	56.41	2256.40
9	<b>Reinforcment 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.	2.50	One M.T	42700.00	106750.00
10a	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.	23.00	One M.T	8805.00	202515.00
b	Erection of Steel work out lined in item No.1 above including the charges for handling, leading and stacking at site at approved locations prior to erection	23.00	One M.T	3774.00	86802.00
11	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.	23.00	One M.T	596.50	13719.50

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
12	Supply & 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., complete as directed. (Including cost of galvalume sheets). - for cladding.	900.00	One Sq.m	720.00	648000.00
13	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.	20.00	One Sq.m	900.00	18000.00
14	Providing and fixing <b>barge boards</b> 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.	30.00	One R.M	160.08	4802.40
15	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)	0.25	One M.T	26476.30	6619.08
16	<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.	25.00	One Cu.m	2357.40	58935.00
17	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.	250.00	One Sq.m	95.10	23775.00
18	Applying <b>exterior</b> emulsion paint 2 coats to external new plastered surfaces including curing etc., over a coat of primer ( paint will be issued free of cost by BHEL at their stores).	250.00	Sq m	28.20	7050.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
19	Providing and fixing 1mm thick M.S sheet sliding shutters with frame and diagonal braces of 40X40X6 mm angle iron and 3mm M.S. gusset plates at the junctions and corners 25 mm dia pulleys, 40X 40 X 6 mm angle and T-iron guide at the top and bottom respectively including applying a priming coat of approved steel primer.	40.00	One Sq.m	2018.70	80748.00
20	Supply and fixing glazed steel windows 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 weld mesh 50 x 50 mm (8G x 8 G).The window section and fabrication shall confirm to I.S. 1038.	35.00	One Sq.m	2120.40	74214.00
21	Painting on G.S sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade - new work ( two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution.	80.00	One Sq.m	37.55	3004.00
				<b>Total : Rs</b>	<b>1,553,792.68</b>

**Rupees : Fifteen Lakhs Fifty three thousand seven hundred ninety three only.**

**Service Tax:-** The Service tax as applicable is extra which will be paid by BHEL to after submission of necessary valid documents by the agency.

**Note :** The Tenders are required to quote the tender value on percentage (%) basis at excess or less or on as per estimate value

Tender %	In figure	In words
<b>Excess</b>		
<b>Less</b>		
<b>Estimated Rate only</b>		

**Name of the Contractor :**

**Signature of the Contractor**

**Accounts Representative**

**Opening officer**