



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

SCHEDULE- A

Tender Notice No:

**PRICE BID**

HY/FCD/OT- 25 /2010-11 , Dt:- 31.12.2010

Item no : 1

**Name of work: Modification of existing main compound wall North west side of  
Factory area.**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	<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.	560.00	Cu.M	103.40	57,904.00
2	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 ).	65.00	Cu.M	2,449.00	1,59,185.00
3	<b>Reinforced cement concrete with 1:1.5 :3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size). work in walls (any thickness) including attached pilasters, buttresses, plinth and string courses,fillets, columns, pillars, piers, abutments, posts, and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement	107.50	Cu.M	4,092.35	4,39,927.63
4	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs, abutments, coping, machine foundations, posts and struts.	700.00	Sq.M	180.40	1,26,280.00
5	<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.	8.60	M.T	42,700.00	3,67,220.00
6	<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.	225.00	Cu.M	45.70	10,282.50

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
7a	<b>Coursed rubble masonry</b> in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand)	165.00	Cu.M	1,913.10	3,15,661.50
7b	<b>Coursed rubble masonry</b> in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand) (Labour charges only, CRS stones will be issued on FREE of cost by BHEL)	120.00	Cu.M	1,415.05	1,69,806.00
8	<b>Brick work</b> with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6.	389.00	Cu.M	2,463.60	9,58,340.40
9	<b>Plastering in 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.	3,350.00	Sq.M	95.10	3,18,585.00
10	<b>Pointing</b> on stone work with cement mortar 1:3 (1 cement : 3 fine sand). - <b>Raised and Cut Pointing.</b>	500.00	Sq.M	112.00	56,000.00
11	Applying <b>exterior</b> emulsion paint 2 coats over one coat of primer to external new plastered surfaces including cost of all labour and other incidentals. only exterior paint will be issued by BHEL on free of cost).	3,850.00	Sq.M	20.55	79,117.50
12	Dismantling <b>brick masonry/CRS 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.	585.00	Cu.m	355.88	2,08,189.80

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
13a	<b>Fabrication of structural steel</b> 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	3.50	MT	7,563.80	26,473.30
b	<b>Erection of Steel work</b> out lined in item No.1 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.	3.50	MT	3,241.60	11,345.60
c	<b>Painting at site of all structural steel work</b> 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.	1.50	MT	596.50	894.75
14	<b>Fencing with G.I barbed wire</b> with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interoven with horizontal wires, of barbed wire 9.38 kg per 100 m (minimum) between the two posts fitted and fixed with G.I staples, turn buckles etc. complete. (Cost of posts, struts, earthwork and concrete work to be paid separately) : payment to be made per metre cost of total length barbed wire used.	4,000.00	R.M	8.45	33,800.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
15	<b>Supplying and fixing approved glass pieces</b> at 20kg/sq.m. in plastering CM 1:6 (1 cement:6 coarse sand) 20mm thick while it is green including cost of all materials, plastering, finishing etc. complete as directed by Engineer-in -Charge	225.00	Sq.m	160.00	36,000.00
16	<b>Supply and Fixing of GI chain Link</b> fabric fencing of required width in mesh made of G.I. wire of dia 4mm and size of 50X50mm including strengthening with 2mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-In -Charge.	150.00	Sq.M	373.45	56,017.50
17	<b>Dismantling structural steel work</b> in built up sections in angles, Tees , flats & Channels including gusset plates, bolts ,nuts, by gas cutting ,dismembering, including, weighing, conveying to specified places upto a lead of 2 KM and handing over to divisional stores for following items of work.	2.00	One MT	890.11	1,780.22
18	<b>Removing &amp; stacking of chain link mesh fencing</b> of required width in mesh made of G.I. wire of dia 4mm and size of 50X50mm with 2mm dia wire with loosening nuts, bolts and washers as required complete as per the direction of Engineer-In -Charge.	750.00	Sq.m	11.55	8,662.50

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
19	fixing of GI chain link mesh fencing of required width made of G.I. wire of dia 4mm and size of 50X50mm including strengthening with 2mm dia wire or nuts,bolts and washers as required complete as per the direction of Engineer-In -Charge.	600.00	Sq.m	140.00	84,000.00
<b>Total Value of work</b>				<b>Total Rs:</b>	<b>35,25,473.20</b>

**Total : Rs.Thirty five lakhs twenty five thousand four hundred seventy three only.**

**Service Tax:-** The 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 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
Excess		
Less		
Estimated value		

**Name of the Contractor :**

**Signature of the Contractor**

**Accounts Representative**

**Opening officer**