



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-04/2013-14, Dt: 19.06.2013

PRICE BID

Item no.:2

Name of work: Construction of foundation for 4 Roll Plate Bending Machine.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
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.	45.00	Cu.m	582.68	26,220.60
2a	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.	155.00	Cu.m	103.40	16,027.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	95.00	Cu.m	122.30	11,618.50
c	----do---- up to second additional depth of 3.01 M to 4.50 M.	17.00	Cu.m	141.20	2,400.40
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 Hard Rock (Blasting prohibited) etc. complete as directed by Engineer-in-charge.	55.00	Cu.M	325.25	17,888.75
4	Filling 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 etc. complete as directed by Engineer-in-charge.	10.00	Cu.M	45.70	457.00
5	Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	202.00	Cu.M	56.41	11,394.82
6	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) . The cement will be issued free of cost by BHEL at BHEL stores**.	16.00	Cu.M	1,560.50	24,968.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
7	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 up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) - The cement and steel will be issued free of cost by BHEL at BHEL stores**.	10.00	Cu.M	1,641.30	16,413.00
8	Providing and laying in position ready mix concrete manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 25 KM having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement including cost of cement , admixures in recommended proportions as per ID: 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. M 25 grade Reinforced cement concrete by using 380 kgs of cement per cu.m of concrete. All works upto floor V level. as per IS 456: 2000 for all concrete works upto all levels. (For RMC works in BHEL will not issue cement and also any variation in the market price of cement contractor has to bare the expenditure for the addition cost incurred).	80.00	Cu.m	4,192.80	3,35,424.00
9	Centering and shuttering including strutting, propping etc; and removal of form work, for walls (any thickness) including attached pilasters,butteresses, plinth and string courses etc. upto plinth level.	240.00	Sq.M	180.40	43,296.00
10	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. - The steel will be issued free of cost by BHEL at BHEL Stores**.	4.23	M.T	4,003.00	16,932.69
11	Grouting of bolt pockets with high strength, non-shrink, cementitious grout of specified proportion by the manufacturer, including cost of labour and incidentals etc. complete. (The high strength, non-shrink, cementitious grout will be issued at BHEL stores).	1.00	Cu. M	1,023.40	1,023.40
12	Finishing with Epoxy Paint (Two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface etc. complete on concrete Work etc. complete as directed by Engineer-in-charge.	188.00	Sq.m	77.75	14,617.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
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 BHEL stores**.	2.00	MT	7,563.80	15,127.60
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 etc. complete as directed by Engineer-in-charge.	2.00	MT	3,241.60	6,483.20
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.	2.00	MT	596.50	1,193.00
	Total			₹	5,61,484.96
	Add increase in Vat 1% over the material cost (70% of Above value)			₹	3,930.39
	Total value of work			₹	5,65,415.35
Total : ₹ Five lakhs sixty five thousand four hundred fifteen and thirty five paise only					

Note: ** The cement, structural steel, Tor steel will be issued free of cost by BHEL at BHEL stores.

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work or part there of subject to a maximum penalty of 10% of the gross value of work executed after the period of completion.
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		