



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-16/2015-16, Dt: 20.07.2015

PRICE BID

Item no. 1

Name of work: Construction of machine foundation for Broaching machine.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Dismantling of M 20 or M25 grade concrete including cutting of reinforcement steel bars and removal by mechanical means and disposing of debries upto to a lead of 2.00 KM with in the factory area as directed by Engineer-in-charge . The cost includes the hire charges of all machinery, equipment, labour charges, cutting of steel, conveyance etc. complete.	90.00	Cu.m	3072.00	2,76,480.00
2	Dismantling of wooden flooring by engaging required number of USW and dismantling flooring is to be disposed as directed by Engineer-in-charge.	20.00	1USW	618.17	12,363.40
2 a	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.	225.00	Cu.m	103.40	23,265.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	375.00	Cu.m	122.30	45,862.50
c	----do---- up to second additional depth of 3.01 M to 4.50 M.	375.00	Cu.m	141.20	52,950.00
3	Fabrication of barrication around the machine and dismantling the same after the foundation works.	10.00	MT	3753.11	37,531.10
4	Fixing the old/ used A.C. sheets for barricading the foundation works and removing the same after the work is over for side walls in the Factory blocks and sheds and at all height including transportation of A.C. sheets and disposing off old sheets to a lead of 2 K.Ms. Etc., complete as directed. (Required consumable materials will be supplied by BHEL free of cost at BHEL stores).	140.00	Sqm	32.82	4,594.80

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
5	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). (Cement only will be issued on free of cost by BHEL)	25.00	Cu.M	1560.00	39,000.00
6	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 admixtures 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.	235.00	One Cu.m	4192.80	9,85,308.00
7	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. (Reinforcement will be issued on free of cost by BHEL).	19.00	M.T	4003.00	76,057.00
8	Centering and shuttering including strutting, propping etc.; and removal of form work, walls(any thickness) including attached pilasters,butteresses, plinth and string courses etc.;- Upto Plinth level.	350.00	Sq.M	119.25	41,737.50
9	Fabrication and fixing inserts in concrete wall with lugs of required dia welded to the insert plates. (Structural Steel, electrodes and gas required for work will be issued on free of cost by BHEL at BHEL stores)	2.00	MT	2863.00	5,726.00
10	Conveyance of excavated soil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in- charge.	300.00	Cu.M	56.41	16,923.00
11	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.	680.00	Cu.M	45.70	31,076.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
12	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.(Dismantled structures from the scrap yard can be used)	12.00	MT	6,747.58	80,970.96
13	Erection of Steel work out lined in item No.12 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.	12.00	MT	3209.19	38,510.28
14	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 BHEL stores.	12.00	MT	494.50	5,934.00
15	Granolithic topping of 25 mm thick using 1 cement 1 granite chips of 10mm down graded laid over base concrete when it is green conditions and ironite finishing 12mm thick using a mix of 50Kg of ironite , 200 Kg of cement and 0.30 Cu.m of granite metal 6mm down graded including cost of form work , curing etc. complete. (Cement only will be issued on free of cost by BHEL).	130.00	Sq.m	295.50	38,415.00
16	Supplying and fixing position 40 mm thick fibre glass covered by cotton cloth (netted) fixed in position and covered with aluminium perforated sheet above the insulation for the foundation including fixtures and accessories and cost of all materials, labour etc., complete. Rock wool shall be of standard quality.	235.00	Sq.M	481.98	1,13,265.30

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
17	Supply and fixing in position 60 mm thick / 30 mm thick in two layers thermocoal including cost of materials, labour etc., complete.	235.00	Sq.M	354.00	83,190.00
18	Finishing with Epoxy paint (two or more coats) of ASIAN or BERGER make at all locations prepared and applied as per manufactures specifications including appropriate priming coat , preparation of surface , cost of all materials etc.; complete on concrete work.	110.00	Sq.M	77.75	8,552.50
19	Grouting with ECMAS grout cement including cost of labour, tools, curing for all leads and lifts etc.; complete. For pockets (Grout cement will be issued by BHEL on free of cost at their store)	1.00	Cu.m	908.70	908.70
	Total Value of work			₹	20,18,621.04
Total : ₹ Twenty lakhs eighteen thousand six hundred twenty one and four paise only					

Note:

1	A penalty of 0.5% of the gross value of work shall be levied for every weeks or part there of non-execution/delay in the execution of work subjected to maximum penalty of 10% of the gross value of total part executed.
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		