



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-01/2011-12, Dt:- 07.04.2011

PRICE BID

Item no : 6

Name of work: Misc. Machine Foundations in Factory area.

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	Demolishing R.C.C. work manually / by mechanically means including stacking of steel bars and disposal of unserviceable materials upto a lead 2.00 KM as per direction of Engineer - in - charge .	54.00	Cu.M	582.68	31464.72
2a	Making pockets in cement concrete in factory floors including transporting all tools etc., and cleaning the site, disposing off all the broken concrete debries etc., complete as directed by Engineer-in-charge.	5.06	Cu.M	582.68	2948.36
2b	Extra for cutting reinforcement bars manually / by mechanical means in R.C.C. or RB work (payment shall be made on the cross sectional area of R.C.C. or RB work) as per directions of Engineer - in - Charge for pockets and laying cable lines.	315.00	Sq.m	176.35	55550.25
3a	Earth work in excavation 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 bottams, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m.	160.00	Cu.m	103.40	16544.00
3b	----do---- up to First additional depth of 1.50 M to 3.00 M.	110.00	Cu.M	122.30	13453.00
3 C	----do---- up to second additional depth of 3.01 M to 4.00 M.	45.00	Cu.M	141.20	6354.00
4	Earth work in excavation by mechanical means (Hydraulic Excavtors) / 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).	10.00	Cu.M	325.25	3252.50
5	Filling available eacavated 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 m lift upto 1.5 m .	15.00	Cu.M	45.70	685.50
6	Coneyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	90.00	Cu.M	56.41	5076.90

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
7a	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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) .	15.00	Cu.M	3257.45	48861.75
7b	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).	22.00	Cu.M	2449.00	53878.00
8a	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 (machine foundations) up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).	70.00	Cu.M	3359.60	235172.00
8b	Reinforced cement concrete work in walls (any thickness) including consolidation by vibrations for all works attached pilasters, buttersses, plinth and string courses, fillets, columns, pillars, piers, abutments, machine foundations, Posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	8.00	Cu.M	3720.00	29760.00
9 a	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 (machine foundations) up to plinth level with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size).	50.00	Cu.M	3732.00	186600.00
9 b	Reinforced cement concrete work in walls (any thickness) including consolidation by vibrations for all works attached pilasters, buttersses, plinth and string courses, fillets, columns, pillars, piers, abutments, machine foundations, Posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : with 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	22.00	Cu.M	4092.35	90031.70
10	Reinforcment for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete by cold twisted bars.(BHEL will issue Torsteel on cost recovery basis at Rs 31,750.00 per MT at BHEL stores)	8.00	M.T	42700.00	341600.00
11	Centering and shuttering including strutting, propping etc; and removal of form for walls(any thickness) including attached pillasters, buttresses, plinth and string courses etc.,.	350.00	Sq.M	108.40	37940.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
12	Plastering in Cement mortar of mix 1:4 (1 cement : 4 fine sand) 12 mm thick on concrete surfaces including cost of all materials, neat finishing, labour, curing, etc., complete.	300.00	Sq.M	82.55	24765.00
13	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.	500.00	Sq.M	77.75	38875.00
14	Providing structural steel works in single section fixed with or without connecting plate including cutting , hoisting , fixing in position and applying a priming coat of approved steel primer all complete and dismantling steel work in single sections including dismembering and stacking within 50 m lead in channels, angles, tees and flats. (for temporary barricade/enclosure) (Only Raw structural steel , electrodes, gases will be issued by BHEL at their stores)	3.50	MT	8729.80	30554.30
15	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 their stores).	225.00	Sq.M	39.50	8887.50
16	Supplying and filling in plinth with river sand under floors including , watering , ramming consolidating and dressing complete.	10.00	Cu.M	985.00	9850.00
17	Providing and fixing hand rail of approved size using MS pipes of size 50 mm to 20 mm dia issued by BHEL on free of cost, by welding etc.,to steel ladder railing, balcony railing, staircase railing and around machines /moulding pits including applying a primer coat of approved steel primer, cost of all labour, transporatation of materials etc., complete.	1000.00	kg	29.15	29150.00
18	Grouting of bolt pockets in C.M. 1:1 including the cost of all materials, labour, curing etc., complete.	5.00	Cu.M	6016.56	30082.80
19	Grouting of bolt pockets with grout mix of specified proportion by the manufacturer, including cost of labour and incidentals etc. (The grout mix will be supplied free of cost by BHEL at their stores)	8.00	Cu.M	899.40	7195.20
20	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.	50.00	Sq.m	485.00	24250.00
21a	Supplying and fixing in 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.	35.00	Sq.M	580.00	20300.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
b	Supply and fixing in position 60 mm thick / 30 mm thick in two layers thermocoal including cost of materials, labour etc., complete.	35.00	Sq.M	426.00	14910.00
22	Painting with bitumen paint 80/100 grade @ 1.2 kg/sq.m. for construction joints of flooring slab.	10.00	Sq.m	30.00	300.00
	Total Value of work			Total Rs:	13,98,292.48
Total : Rs. Thirteen lakhs ninty eight thousand two hundred ninty two 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 bidders are required to quote the tender value on percentage (%) basis at excess or less on par with estimate value

Tender %	In f igure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer