



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT-10/2009-10 , Dt:02.09.2009

Item no:02

**Name of Work : Civil Works for Machine Foundation for CNC Centre lathe
 DBC 12 M Dia in 02 Block.**

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
1a	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 bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed , within a lead of 50m.	227.00	Cu.M	103.40	23471.80
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	130.00	Cu.M	122.30	15899.00
c	----do---- up to second additional depth of 3.01 M to 4.00 M.	20.00	Cu.M	141.20	2824.00
2	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.	106.00	One Cu.m	582.68	61764.08
3	Providing and laying in position cement concrete of specified garde 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 40 mm nominal size).	23.00	Cu.M	2449.00	56327.00
4a	Providing and laying in position specified grade of reinforced cement concrete including consolidation by vibrations excluding the cost of centering ,shuttering and reinforcement 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).	80.00	Cu.M	3732.00	298560.00

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
b	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 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 410 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.	200.00	One Cu.m	4356.50	871300.00
5	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.	431.00	Sq.M	180.40	77752.40
6	Reinforcement for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted deformed bars.	22.60	M.T	42700.00	965020.00
7	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 m .	15.00	Cu.M	45.70	685.50
8	Conveyance of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in-charge.	291.00	Cu.M	56.41	16415.31
9	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).	71.00	Cu.M	325.25	23092.75
10	Brick work 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.	27.00	Cu.M	2357.40	63649.80

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
11	Plastering in CM 1:6 , 20 mm thick to internal and external surfaces of walls including the cost of all materials , labour , curing etc, complete - Up to 10.00 M level.	100.00	Sq.M	95.10	9510.00
12a	Grouting with cement mortar 1:1 including cost of all materials, labour, curing, for all leads and lifts etc; complete.For pockets	1.50	Cu.m	6016.56	9024.84
b	Grouting with Fos Rock to Bolt Pockets , as per the manufactures specification .(Only Fos Rock will be issued free of cost at BHEL Stores).	3.00	Cu.m	444.00	1332.00
13a	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.	71.00	Sq.M	580.00	41180.00
b	Supply and fixing in position 60 mm thick / 30 mm thick in two layers thermocoal including cost of materials, labour etc., complete.	71.00	Sq.M	426.00	30246.00
14	Fabrication and fixing inserts in concrete wall with lugs of required dia welded to the insert plates.(St. Steel,electrodes and gas required for work will be issued on free of cost by BHEI at their stores)	8.00	MT	3500.00	28000.00
15	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.	250.00	Sq.M	77.75	19437.50

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
16	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.	100.00	Sq.M	428.50	42850.00
				Total : Rs	2658341.98

Rupees : Twenty Six Lakhs Fifty eight thousand three hundred forty two 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
Excess		
Less		
Estimated Rate only		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer