



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

**SCHEDULE- A**

**PRICE BID**

Tender Notice No:

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

Item no: 01

**Name of Work : Construction of Foundation for Heavy Duty CNC centre lathe  
Machine DBC 12 M Dia in 01 Block.**

S. No	Description	Approx Qty	Unit	Rate in Rs	Amount (Rs)
1a	<b>Earth work in excavation</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.	210.00	Cu.M	103.40	21714.00
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 debries upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	57.00	One Cu.m	582.68	33212.76
3	Providing and laying in position <b>cement concrete</b> of specified garde 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 40 mm nominal size ).	20.00	Cu.M	2449.00	48980.00
4a	Providing and laying in position specified grade of <b>reinforced cement concrete</b> including consolidation by vibrations excluding the cost of centering ,shuttering and reinforcement for all works <b>up to plinth level</b> with <b>1:1½ :3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size ).	60.00	Cu.M	3732.00	223920.00

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		4356.50	871300.00
5	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts.	380.00	Sq.M	180.40	68552.00
6	<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 deformed bars.	21.00	M.T	42700.00	896700.00
7	<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 m .	15.00	Cu.M	45.70	685.50
8	<b>Conveyance</b> of excavated spoil up to a lead of 2 Kms, including loading , unloading and spreading etc. complete as directed by Engineer- in-charge.	274.00	Cu.M	56.41	15456.34
9	<b>Earth work in excavation</b> 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 <b>Hard Rock</b> ( Blasting prohibited).	71.00	Cu.M	325.25	23092.75
10	<b>Brick work</b> 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
12	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 <b>thermo coal</b> including cost of materials, labour etc., complete.	71.00	Sq.M	426.00	30246.00
14	Fabrication and fixing <b>inserts</b> 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 <b>Epoxy paint ( two or more coats) of ASIAN or BERGER make</b> 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 <b>ironite finishing</b> 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
				<b>Total : Rs</b>	<b>2,458,541.65</b>

**Rupees : Twenty Four lakhs fifty eighty thousand five hundred forty one 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
<b>Excess</b>		
<b>Less</b>		
<b>Estimated Rate only</b>		

**Name of the Contractor :**

**Signature of the Contractor**

**Accounts Representative**

**Opening officer**