



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

**SCHEDULE- A**

**PRICE BID**

Tender Notice No:

HY/FCD/OT-08/2009-10 , Dt:22.08.2009

Item no: 01

**Name of Work : Construction of Foundation for CNC Vertical Lathe machine  
6000 mm dia in 01 Block.**

| S. No | Description   | Approx Qty | Unit | Rate in Rs | Amount (Rs) |
|-------|---|------------|------|------------|-------------|
| 1a    | 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     | 16027.00    |
| b     | ----do---- up to First additional depth of 1.50 M to 3.00 M.  | 95.00      | Cu.m | 122.30     | 11618.50    |
| c     | ----do---- up to second additional depth of 3.01 M to 4.50 M.   | 10.00      | Cu.m | 141.20     | 1412.00     |
| 2     | 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 <b>Hard Rock</b> (Blasting prohibited).                              | 90.00      | Cu.M | 325.25     | 29272.50    |
| 3     | 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 <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size ).   | 15.00      | Cu.M | 2449.00    | 36735.00    |
| 4     | 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 <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 ).                                   | 176.00     | Cu.M | 3732.00    | 656832.00   |

| S. No | Description  | Approx Qty | Unit | Rate in Rs | Amount (Rs) |
|-------|--|------------|------|------------|-------------|
| 5     | Providing and laying in position specified grade, of <b>Reinforced cement concrete</b> excluding the cost of centering,shuttering, finishing and reinforcement - <b>all work up to plinth level with 1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size ).   | 7.00       | cu.m | 3359.60    | 23517.20    |
| 6     | <b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.   | 300.00     | Sq.M | 180.40     | 54120.00    |
| 7     | <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 bars.   | 14.00      | M.T  | 42700.00   | 597800.00   |
| 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.  | 265.00     | Cu.M | 56.41      | 14948.65    |
| 9     | <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 50.00 m and lift upto 1.50 m.  | 20.00      | Cu.M | 45.70      | 914.00      |
| 10    | Finishing with <b>Epoxy paint ( two or more coats)</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.  | 235.00     | Sq.M | 77.75      | 18271.25    |
| 11    | 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. | 35.00      | Sq.m | 428.50     | 14997.50    |
| 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).  | 1.00       | Cu.m | 444.00     | 444.00      |

| S. No | Description   | Approx Qty | Unit     | Rate in Rs        | Amount (Rs)         |
|-------|---|------------|----------|-------------------|---------------------|
| 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. | 70.00      | Sq.M     | 580.00            | 40600.00            |
| b     | Supply and fixing in position 60 mm thick / 30 mm thick in two layers <b>thermocoal</b> including cost of materials, labour etc., complete.   | 70.00      | Sq.M     | 426.00            | 29820.00            |
| 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 BHEL at their stores)  | 1.50       | MT       | 3500.00           | 5250.00             |
| 15    | Applying protective coating to isolation joint on top side with bituman of 30/40 grade including cost of all materials, labour etc., complete.  | 7.00       | One Sq.m | 600.00            | 4200.00             |
| 16    | 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.   | 45.00      | One Cu.m | 582.68            | 26220.60            |
|       |   |            |          | <b>Total : Rs</b> | <b>1,583,000.20</b> |

**Rupees : Fifteen Lakhs eighty three thousand only.**

**Service Tax:-** The Service tax as applicable is extra which will be paid by BHEL to t after submission of necessary valid documents by the agency.

**Note :** The Tenders are required to quote the tender value on

| 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