

Issued to agency:



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

**Name of work: Civil works for providing Machine Foundation for CNC horizontal  
horizontal borer Machine -2 in TC & GT bay expansion**

**SCHEDULE- A**

Tender Notice No:  
HY/FCD/OT-03/2008-09, Dt: 02.06.2009  
**Item no:02**

**PRICE BID**

S. No	Description of the item	Qty	Unit	Rate	Amount
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.	250.00	Cu.M	103.40	25,850.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	250.00	Cu.M	122.30	30,575.00
c	----do---- up to second additional depth of 3.01 M to 4.00 M.	100.00	Cu.M	141.20	14,120.00
2	Providing and laying in position <b>cement concrete</b> 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 40 mm nominal size ).	30.00	Cu.M	2449.00	73,470.00
3	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 ).	690.00	Cu.M	3732.00	2,575,080.00
4	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts.	990.00	Sq.M	180.40	178,596.00
5	<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.	55.20	M.T	42700.00	2,357,040.00

S. No	Description of the item	Qty	Unit	Rate	Amount
6	<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 .	200.00	Cu.M	45.70	9,140.00
7	<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.	830.00	Cu.M	56.41	46,820.30
8	<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).	630.00	Cu.M	325.25	204,907.50
9	<b>Fabrication and fixing</b> M.S. Angles in the concrete with 10mm dia lugs welded to the M.S. Angle (Strl. Steel, electrodes and gases required for the work will be issued on free of cost by BHEL at their stores).	2.00	One MT	3500.00	7,000.00
10	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.	500.00	Sq.M	77.75	38,875.00
11a	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.	114.00	Sq.M	580.00	66,120.00
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.	114.00	Sq.M	426.00	48,564.00
12	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.	50.00	Sq.m	428.50	21,425.00

S. No	Description of the item	Qty	Unit	Rate	Amount
13	Grouting of bolt pockets in C.M. 1:1 including the cost of all materials, labour, curing etc., complete.	10.00	Cu.M	6016.50	60,165.00
14a	Supplying and fixing plain PVC pipe of 200 mm dia of approved quality with specials, accessories and approved sealing /jointing compound on the exterior of the inserted portion of the fitting and fixing in position and joing to MS gutters , including cost of all materials ,sealing compound ,labour etc., for all heights complete	14.00	One RM	437.32	6,122.48
b	-----do-----100 mm dia	47.00	One RM	140.15	6,587.05
15	Dismantling brick masonry walls for all heights, removing and clearing the debries and carting away upto to lead of 2 KM including loading, unloading and spreading segregating useful materials as directed by Engineer-in-charge including the cost of all labour scaffolding etc., complete.	3.00	One Cu.m	355.88	1,067.64
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.	80.00	One Cu.m	582.68	46,614.40
17	Removal of wood/M.S., scrap including M.S. packing strips loading into the vehicle and unloading the same at specified yards as directed by engineer in-charge. The vehicle shall be weighted before and after loading for each trip at BHEL weight Bridge. The rate quoted shall include cost of hire charges of vehicle, labour, tools, safety equipment etc., complete. Payment will be made against the weight of the material disposed.	5.00	MT	381.00	1,905.00
18	Dismantling steel work in built up sections in angles tees, flats and channels including all guest plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	1.00	One MT	890.11	890.11
				Total: Rs	5,820,934.48

**Total** : Fifty eight lakhs twenty thousand nine hundred thirty four only.

I/ We have quoted .....% above [ ] / below [ ] (tick the relevant) for the rates given above.

% in words:

**Note:**

**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.

Name of the contractor :

Signature of the contractor

Accounts Representative

Opening Officer