



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

SCHEDULE- A

Tender Notice No:

PRICE BID

HY/FCD/OT- 18 /2010-11 , Dt:- 14.10.2010

Item no : 1

Name of the Work :-Providing Foundation for 3.00 MT Hammer in 08 Block.

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1a	Earth work in excavation in all soils 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.	100.00	Cu.m	103.40	10340.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	90.00	Cu.m	122.30	11007.00
c	----do---- up to second additional depth of 3.01 M to 4.50 M.	90.00	Cu.m	141.20	12708.00
d	----do---- up to third additional depth of 4.51 M to 6.00 M.	90.00	Cu.m	160.10	14409.00
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 Hard Rock (Blasting prohibited).	42.00	Cu.M	325.25	13660.50
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 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size).	10.00	Cu.M	2449.00	24490.00
4	Providing and laying in position specified grade, of Reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - all work up to plinth level with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) -	7.00	Cu.M	3359.60	23517.20

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
5	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 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
6	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 380 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.(cement cost considered in the estimate is Rs 225.00 per bag. If there is increase or decrease proportionate reimbursement/recovery cost will be done	215.00	Cu.m	4162.00	894830.00
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 50.00 m and lift upto 1.50 m.	125.00	Cu.M	45.70	5712.50
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.	335.00	Cu.M	56.41	18897.35
9	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.	22.00	Sq.M	485.00	10670.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
10	Reinforcement for R.C.C. work including straightening , cutting , bending , placing in position and binding grills with binding wire all complete by cold twisted bars.	26.50	MT	42700.00	1131550.00
11	Providing STP make 12 mm thick mastic pad of 25mm depth in flooring construction joints including cost of all materials and labour.	2400.00	RM	10.40	24960.00
12	Dismantling steel work in built up sections in angles tees, flats and channels including all gusset plates, bolts, cutting rivets, welding etc., including dismembering and stacking within 50 metres lead.	0.70	MT	890.11	623.08
13	Removing of corrugated / semi corrugated, A.C sheets including North Light curves barge boards etc., in roof, sides, gable ends, louvers etc., and stacking the materials carefully for re-use wherever required.	24.00	Sq.M	41.60	998.40
14	Supplying and fixing of various sizes of MS bolts,nuts and washers conforming to IS 1367-1961 including cost of all materials, labour etc., complete (MR)	0.45	MT	49833.00	22424.85
15	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.	30.00	Cu.m	582.68	17480.40
16	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.	220.00	Sq.M	180.40	39688.00
17a	Open timbering in case of shafts, wells,cesspits,manholes and the like including strutting complete (measurements to be taken of the face are timberd)-- up to 1.50m	50.00	Sq.M	30.40	1520.00
17b	----do---- up to First additional depth of 1.51 M to 3.00 M.	50.00	Sq.M	32.75	1637.50
17c	----do---- up to First additional depth of 3.01 M to 4.50 M.	50.00	Sq.M	35.80	1790.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
18	Grouting with cement mortar 1:1 including cost of all materials , labour,curing, for all leads and lifts etc; complete.For pockets	1.00	Cu.M	6016.56	6016.56
19	Dismantling the existsting steel structure including rails by gas cutting / by loosening nuts or any other suitable means and stacking neatly as directed by Engineer-in-charge etc., complete.	0.60	MT	3126.00	1875.60
20	Erection of Steel work including the charges for handling, leading and stacking at site at approved locations prior to erection including all site rivetting, bolting, jointing and site welding where ever required.	1.10	MT	3241.60	3565.76
21	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).	1.10	MT	3500.00	3850.00
22	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.	105.00	Sq.M	580.00	60900.00
23	Supply and fixing in position 60 mm thick / 30 mm thick in two layers thermocool including cost of materials, labour etc., complete.	105.00	Sq.M	426.00	44730.00
24	Applying protective coating to isolation joint on top side with bituman of 30/40 grade including cost of all materials, labour etc., complete.	3.00	Sq.m	600.00	1800.00
25	Dismantling M.S. partitions (Weldmesh, glazed or panelled) of standard size 1.20 M x 2.40 M or 1.20 x 3.30 M including M.S. Posts and transporting and stacking the materials for reuse etc., complete as directed by the Engineer-in-charge (The rate shall include for removing glass panes before dismatling glazed partitions and stacking glass panes).	12.00	Each	643.35	7720.20

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
26	Dismantling of weldmesh / expanded metal from ceiling including gas cutting etc., complete as directed by Enginner-in-charge. as directed by Enginner-in-charge. The dismantled materials should be handed over to BHEL stores for reuse the same wherever it is required.	40.00	Sq.M	36.70	1468.00
27	Supplying and fixing of Tracdek Hi-rib single skin bare galvalume / Zinalume sheets of 0.5 mm thick. One Meter width and length upto 12 M with Factory cut and fixing to the roof shall be crest fixed to roof purlins with number 12-14 x 55 mm long polymer coated galvanized hex-head self drilling screws with integral washers and EPDM seals (4 fasteners for per support) for sheet etc., compete as directed. (including cost of galvalume sheets). -for louvers and cladding (colored).	24.00	Sq.M	672.40	16137.60
28	Supply and stacking of Kiln Seasoned and chemically treated hard wood including panelling surfaces of size varying from 245x200mm of 2.70 metre long (two pieces in length) and 160x130 ad 1.2m long. for providing cusion to 3.00 T hammer as per drawing including drilling holes for fixing bolts,planning the surface etc.The moisture content should not be more than 18% .The rate shall including cost of all materials and labour etc., complete .The fixing charges will be paid seperately.Rate includes all taxes except VAT.	11.00	Cu.M	83627.50	919902.50
29	Fixing of hard wood logs of above sizes including making grooves, tightening every fourth line by a 20mm dia MS tie rod with threaded bolts,nuts washers etc ends, complete. (MS rounds,MS strips, will be issued on free of cost at BHEL stores). The rate quoted shall include cost of all labour etc , saw dust for levelling the blocks etc.,complete. (area will be measured in layers of 200 mm thick approximately).	33.00	Sq.M	880.00	29040.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
30	Supply and filling in plinth with river sand under water supply pipe lines including watering, ramming consolidating and dressing complete.	17.00	Cu.M	985.00	16745.00
	Under Contractor's Scope			Total Rs:	35,83,265.00

Total : Rs. Thirty Five lakhs eighty three thousand two hundred sixty five only.

Service Tax:- (i)All taxes inclusive except Service tax as applicable is extra which will be paid by BHEL to the agency after submission of necessary valid documents by the agency.
(ii) For Item No. 28 VAT is extra as applicable.

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 value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer