



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT- 07 /2010-11 , Dt:- 12.07.2010

**PRICE BID**

Item no : 01

**Name of work : Construction of small machine foundations in various blocks.**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
1	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.	105.00	Cu.m	582.68	61181.40
2a	<b>Earth work in excavation in all soils</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.	360.00	Cu.m	103.40	37224.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M.	150.00	Cu.m	122.30	18345.00
c	----do---- up to second additional depth of 3.01 M to 4.50 M.	50.00	Cu.m	141.20	7060.00
3	Earth work in excavation by mechanical means (Hydraulic Excavators) / manual measn 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).	64.00	Cu.M	325.25	20816.00
4	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 <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size ).	37.00	Cu.M	2449.00	90613.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
5a	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 ).	232.00	Cu.M	3732.00	865824.00
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 10 KM having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of <b>R.M.C</b> 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 IS: 9103 to accelerate/retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. <b>M 25 grade</b> Reinforced cement concrete by using <b>380 kgs</b> 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 by BHEL)	376.00	Cu.m	4197.95	1578429.20
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 bars.	36.64	M.T	42700.00	1564528.00
7	<b>Centering</b> and shuttering including strutting, propping etc; and removal of form work, for columns, pillars,peirs,abutments,machine foundations, posts and struts.	766.00	Sq.M	180.40	138186.40
8	<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.	60.00	Cu.M	45.70	2742.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
9	<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.	510.00	Cu.M	56.41	28769.10
10	Grouting with Fos Rock to Bolt Pockets , as per the manufactures specification .(Only Fos Rock will be issued free of cost at BHEL Stores).	4.00	Cu.M	773.00	3092.00
11	Grouting with cement mortar 1:1 including cost of all materials , labour,curing, for all leads and lifts etc; complete.For pockets	2.00	Cu.M	6016.56	12033.12
12	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)	3.00	MT	3500.00	10500.00
13	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.	240.00	Sq.M	77.75	18660.00
14	Fixing CR120 to 52 Kg rails for various gauges at floor level including fixing side guide angle etc., complete with necessary clamps required for fixing rails in position and alignment, leveling as per B.I.S 7215-1974. including cost of clamps,bolts & nuts etc.,(M.S rails, M.S. Angles, Strl. steel only will be issued free of cost by BHEL at their stores)	2.50	MT	6000.00	15000.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
15	Supply & fixing of full height aluminium door with double leaf manual slide opening mechanism at main entrance in required size made out of anodised aluminum box section of size 44.50x47.50x2 mm for verticals, top and middle rails and 101.60x44.50x2 mm for bottom rail inclusive of supply & fixing of all aluminium fixtures and fittings suitable to the door sliding mechanism, handles, suitable locking arrangement etc. complete, wherever members are joined wooden runners are to be inserted in the box section. This includes grouting of rails/aluminum sliding sections to the floor properly etc. complete as directed by Engineer-in-charge. Providing & fixing of 12 mm toughened glass with rubber beading with screwless snap on clips etc. for top portion of the door frame of approximate size 3' x 2.5' on each door leaf and 12 mm thick "Novapan" particle board, exterior grade, laminated on both sides fixed to bottom portion of the door frame of approximate size 3' x 4.5' on each door leaf with rubber beading, screwless snap on clips etc. complete. (No. of door -1, door leaf - 2 Nos. and the approximate size of the door is 1.8x2.4 m - 2 Nos. & 1.2x2.1 m - 2 Nos.	5.04	Sq.m	4000.00	20160.00
16	Supply and aluminium partition with new anodised box - section of size 101.60 X 44.45 X 2 mm for verticals, Top & Horizontal and 63.50 X 38.10 X 2 mm for intermediate horizontal at spacing suiting to the site requirements as approved. Wherever doors are coming wooden runners are to be provided into box section. This includes grouting of the frame to the floor properly fixed at ends to walls, cost of aluminium section, labour etc; Complete. (The door opening shall be deducted for payment).	30.00	One sq.m	1316.00	39480.00
17	Supply & fixing 5.5 mm thick plain / ground glass to the aluminium frame with rubber beading screwless snap on clips etc. complete	42.00	One sq.m	668.00	28056.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
18	Providing and fixing 10mm thick <b>acid and alkali resisitant tiles</b> over a bed of 10 mm thick mortar 1:4 (1 acid proof cement :4 coarse sand) of approved make and colour using acid and or aikali reisiting mortar bedding and joints filled with acid and or alkali resisting cement as per Is:4457 complete as per the directions of Engineer-in-charge ,	20.00	One Sq.m	873.00	17460.00
				<b>Total:</b>	<b>4578159.22</b>
<b>Total : Rs. Forty five lakhs seventy eight thousand one hundred fifty nine only.</b>					

**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.

**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**