



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-05/2011-12, Dt: - 21.05.2011

PRICE BID

Item no : 1

**Name of work: Improvement works in parking area behind Admn. Building
 – Providing car sheds.**

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
Part - I Civil Works					
1	Dismantling CRS masonry walls at 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.	70.00	One Cu.m.	415.88	29,111.60
2	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.	675.00	One Cu. m.	355.88	240,219.00
3	Dismantling Steel work (MS Grills) from the existitng wall including gas cutting etc complete as directed by Engineer-in-Charge. The dismantled materials should be handed over to BHEL stores for reuse the same upto a lead of 2.00 km.	0.75	One M T	890.11	667.58
4	Dismantling the existing structural steel work carefully by loosening nuts, gas cutting as per the site conditions for reuse and stacking at site / handing over to stores as directed by Engineer-in-charge.	58.00	One M T	1,844.90	107,004.20
5	Removing the existing AC sheets carefully from cycle sheds and car sheds along with 'J' bolts, nuts etc., transporting and stacking at BHEL Stores or other specified placed (upto 2 Kms lead) as directed by Engineer-in-charge.	2,742.00	One Sq. m.	43.65	119,688.30
6	Dismantling and disposing off (upto 2 Kms lead) reinforced cement concrete such as slabs, floors, beams and columns etc using, chipping hammer or other suitable tools etc complete.	8.00	One Cu. m.	582.68	4,661.44
7	Dismantling and disposing off (upto 2 Kms lead) plain cement concrete such as floors, pavements etc, chipping hammer or other suitable tools etc complete.	35.00	One Cu. m.	272.03	9,521.05

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
8	Dismantling doors, windows and clerestory windows (steel & wood) shutters including chowkhats, architrave, holdfasts etc complete and stacking within 50 meters lead.	75.00	Each	75.35	5,651.25
9	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.	495.00	One Cu. m.	103.40	51,183.00
10	Intercarting of earth including excavation of earth within the factory premises i.e. transportation upto 5 Km lead including loading and unloading, spreading and levelling etc. complete.	2,970.00	One Cu. m.	76.48	227,145.60
11	Laying, spreading and compacting of supplied earth, including spreading in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, watering and compacting to the required density to obtain the uniform level.	2,970.00	One Cu. m.	192.55	571,873.50
12	Filling with available excavated earth (excluding rock) in trench, 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
13	Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	11.00	Cu.M	56.41	620.51
14	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).	55.00	Cu.M	2,449.00	134,695.00
15	Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement : 6 coarse sand).	60.00	Cu.M	1,913.10	114,786.00
16	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 1:2:4 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size). The PCC is to be laid to proper level grade and slope, for formation of open drain to required cross section around the parking area, as directed by Engineer-in-charge.	60.00	Cu.M	3,257.45	195,447.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
17	Pointing on Stone Work with Cement mortar 1:3 (1 Cement : 3 Fine sand) - Raised and Cut Pointing.	170.00	Sq. m	112.00	19,040.00
18	Fabrication of structural steel work including all materials going into the process of fabrication and forming an integral part of steel work together with all shop and site rivets and electrodes for site welding as necessary and all site connections comprising sag rods, floor beams, girders, bracings, trusses and frame work for fixed false ceiling and for movable false ceiling, purlins with channel / angles, MS flat supports including all connections as per detailed drawings connected steel works etc., cleats, gusset plates, all bolts, nuts, washers, base plates, anchor bolts as per detailed drawings, cutting, welding and painting 2 coats of red-oxide primer before erection etc., complete. The rate shall include painting 2 coat of Red-oxide as per IS specifications and all charges for handling, leading and loading at the fabrication yard. The raw structural steel sections, electrodes, gasses will be issued by BHEL on FREE of cost at their stores	39.86	MT	7,563.80	301,493.07
19	Erection of Steel work out lined in above item, 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.	41.00	MT	3,241.60	132,905.60
20	Fabrication and fixing of MS holding down bolts, threaded both sides including supply of nuts, washers etc complete as directed. (MS rounds as per required size will be issued on free of cost at BHEL stores).	0.30	MT	26,476.30	7,942.89
21	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to trusses, columns, girders, bracings etc., with aluminium paint or synthetic enamel paint as required etc., complete. The required paint only will be issued free of cost by B.H.E.L at their stores.	31.00	MT	596.50	18,491.50
22	Applying exterior emulsion paint 2 coats over one coat of primer to external new plastered surfaces including cost of all labour and other incidentals. (only exterior paint will be issued by BHEL on free of cost).	200.00	Sq.m	20.55	4,110.00
23	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).	19.00	Cu.M	3,732.00	70,908.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
24	Centering and shuttering including strutting, propping etc; and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts.	125.00	One Sq. m.	180.40	22,550.00
25	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.	2.63	One M T	42,700.00	112,301.00
26	Supply and Fixing MS grills with 30 X 5 flat and 10 dia Plain rods as per drawing including cutting, hoisting , fixing in position and applying a priming coat of approved primer as directed by Engineer-in-charge.	0.50	MT	51,200.00	25,600.00
27	Supplying and fixing of Hi-rib single skin 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 per support) for sheet etc., complete as directed. (Including cost of galvalume sheets). - for Cladding- Coloured.	4,000.00	Sq.m	672.40	2,689,600.00
28	Supply & Installation of 0.5 mm thick colour galvalume sheet flashings hood / ridges/ triangular portion closers to require shape with self threaded screws etc. complete as directed.	300.00	R M	900.00	270,000.00
29	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6.	30.00	Cu.M	2,463.60	73,908.00
30	Plastering in CM 1:4, 20 mm thick to external surfaces of walls including neat finish, cost of all materials, labour, curing etc, complete -Upto level.	1,505.00	One Sq. m.	110.45	166,227.25
31	Casting and placing in position of R.C.C cable trench covers of 75 mm thick in mix of 1:1.5:3 using 20 mm down graded metal including cutting, welding of Angle iron frame, cost of MS reinforcement as specified including cutting bending, binding wire, spreading of Ironite powder at 2 Kg / Sq.m, neat finishing ,cost of labour, etc complete as directed. (MS angles, electrodes only will be issued on free of cost by BHEL at their stores).	25.00	Sq.m	333.00	8,325.00
32	Supply & stacking of Stone dust including transportation and spreading as directed by Engineer-in-charge.	500.00	One Cu. m.	753.20	376,600.00

S No	Description of the item	Qty	Unit	Rate (Rs)	Amount (Rs)
33	Supply & fixing of heavy duty factory made hydraulically pressed and mechanically compacted pre-cast concrete designed pavers in required colour, with 60 mm thickness, M40 Grade, Paver tiles of approved design, Standard make & bright colour Quality , including spreading of stone dust properly for fixing the pavers into one level in required design etc complete. Rate shall include cost of material, transportation, labour, tools, tackles etc complete. Rate for stone dust will be paid seperately.	10,000.00	One Sq. m.	465.00	4,650,000.00
34	Supply & fixing of heavy duty factory made hydraulically pressed and mechanically compacted pre-cast concrete designed kerb blocks, with 110 mm thickness, M40 Grade, Standard make & Quality including making a required slot by excavation and fixing properly into one level with cement grouting, in required design etc complete. Rate shall include cost of material, transportation, labour, tools, tackles etc complete. Cement grout will be issued on free of cost at BHEL Stores.	400.00	One R M	269.00	107,600.00
	Total Value of work			Total Rs:	10,870,791.34
Total : Rs. One crore eight lakhs seventy thousand seven hundred ninty one only.					

Service Tax:- 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.

Note : The bidders are required to quote the tender value on percentage (%) basis at excess or less on par with estimate value

Tender %	In figure	In words
Excess		
Less		
Estimated value		

Name of the Contractor :

Signature of the Contractor

Accounts Representative

Opening officer