



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-17/2011-12, Dt: 15.12.2011

PRICE BID

Item no :2

**Name of work: Modification - Construction of additional Car/ Scooter Parking sheds at L-gate.**

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
1	Dismantling of cycle shed of 4 spans including removal. Transporting and stacking at BHEL stores or any other place (upto 2 KMs. lead) for reuse of A.C. sheet, ridges, purlins, trusses, columns, etc., complete steel columns shall be loosened by breaking concrete using necessary tools etc., as directed by Engineer-in-charge.	1.00	Each	3,867.08	3,867.08
2	Erection of cycle shed of <b>4 spans</b> including erection of steel posts, trusses and purlins and fixing of Galvalume /A.C. sheet and ridges, using 'J' bolts, nuts, etc., complete as directed by Engineer-in-charge. (labour charges only)	1.00	Each	6,089.00	6,089.00
3	Dismantling <b>brick masonry/CRS Masonry</b> 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.	30.00	Cu.m	355.88	10,676.40
4	Dismantling <b>Barbed wire or flexible wire</b> rope in fencing including making rolls and stacking within 50 metres lead.	17.00	Kg's	5.55	94.35
5	Felling trees of the girth (measured at a height of 1m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable materials and disposal of unserviceable materials - <b>Beyond 30 cm girth up to and including 60 cm depth.</b>	4.00	Each	81.70	326.80
6	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and sapling of girth up to girth up to 30 cm measured at a height of 1.00 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	670.00	Sq.m	2.64	1,768.13
7	<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.	114.00	Cu.m	103.40	11,787.60
8	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>1:2:4</b> (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size).	25.00	Cu.M	3,257.45	81,436.25

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
9	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).	7.54	Cu.M	2,449.00	18,465.46
10	Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand).	22.00	Cu.M	1,913.10	42,088.20
11	<b>Brick work</b> 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.	24.00	Cu.M	2,463.60	59,126.40
12	Flooring in 25mm thick using 1 cement and 3 parts of granite stone chips of 3 to 10mm gauge (no sand) ellis pattern first sort including neat finishing, curing, cost of materials etc; complete.	150.00	Sq.m	196.00	29,400.00
13	Removing of old A.C. sheets, translucent sheets from roof, side walling of factory blocks and sheds and refixing with new/old sheets at all height including transportation of A.C. sheets and disposing off old sheets to a lead of 2 K.Ms. etc., complete as directed. (Required consumable materials will be supplied by BHEL free of cost at their stores).	6.00	Sq.m	72.82	436.92
14	Plastering in <b>CM 1:6, 20 mm</b> thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc., complete -Upto 10.00 M level.	262.00	Sq.m	95.10	24,916.20
15	<b>Supplying and fixing approved glass pieces</b> at 20kg/sq.m. in plasering CM 1:6 (1 cement:6corse sand) 20mm thick while it is green including cost of all materials, plastering,finishing etc. complete as directed by Engioneer-in -Charge.	14.70	Sq.m	160.00	2,352.00
16	Construction of Rectangular Manhole of inside dimensions 0.60 X 0.90 M including Earth work, bed concrete 1:2:4 – 200 mm thick, walls with C.R.S Masonry 2 <sup>nd</sup> sort in C.M (1:6) of 0.45 M width, plastering walls inside, out side with C.M (1:4) / 20 mm channeling, inside manhole neat finishing, fixing C.I Foot steps at 400 c/c. Fixing of Angle iron frame with 75 x 75 x 6 lugs welded in C.C 1:2:4 on top of wall of 8 Cms. Thick including back filling etc., complete. including casting & placing inposition of RCC cover for the manhole. (M.S. Angle, will be issued free of cost). Manholes upto 1.00 M.	1.00	Each	9,000.00	9,000.00
17	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement :2 fine sand) including testing of joints etc. complete - 600mm dia R.C.C pipe.	15.00	RM	895.10	13,426.50
18	Cutting Road and making good the same including supply of extra quantities of materials i.e aggregate, morrum screening, red bajri and labour required - bituminous portion.	3.00	Cu.m	1,081.80	3,245.40

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
19a	<b>Fabrication of structural steel work</b> 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	3.20	MT	7,563.80	24,204.16
b	<b>Erection of Steel work</b> out lined in item No.19a above 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.	3.20	MT	3,241.60	10,373.12
c	<b>Painting at site of all structural steel work</b> 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.	3.20	MT	596.50	1,908.80
20	Supplying and fixing of Tracdek 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., compete as directed. (Including cost of galvalume sheets). - for roofing bare galvalume	265.00	Sq.m	545.90	1,44,663.50
21	Supply & Installation of 0.5 mm thick colour galvalume sheet flashings hood / ridges/ triangular portion closers to required shape with self threaded screws etc. complete as directed.	51.00	Sq.M	900.00	45,900.00
22	Fixing of weldmesh / expaned metal to angle iron frame of suitable size for RCC louvers/ceiling including gas cutting and welding as directed by the Engineer-in-charge. (M.S. angle iron frame, weldmesh/expanded metal will be supplied by BHEL at their stores at free of cost).	22.00	Sq.m	69.65	1,532.30
23	Preparation and consolidation of Sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc; and re-rolling the sub grade and disposal of surplus earth lead upto 2.00 KM	450.00	Sq.m	33.90	15,255.00
24	Supply & Stacking of stone dust including transportation and spreading as directed by Engineer-in-charge.	40.00	Cu.m	753.20	30,128.00

S. No.	Description of the item	Qty	Unit	Rate (Rs.)	Amount (Rs.)
25	Supplying & laying of heavy duty Factory made hydraulically pressed and mechanically compacted pre-cast concrete designed pavers with 60 mm thickness,in required design , including spreading of stone dust properly fixing the pavers into one level in required design and compacting the paved area with machine compactor etc. complete. Rate shall include material, transportation, labour, tools, tackles etc. complete. Rate for stone dust will be paid separately.	450.00	Sq.m	461.60	2,07,720.00
26	<b>Fencing with G.I barbed wire</b> with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interoven with horizontal wires, of barbed wire 9.38 kg per 100 m (minimum) between the two posts fitted and fixed with G.I staples, turn buckles etc. complete. (Cost of posts, struts, earthwork and concrete work to be paid separately) : payment to be made per metre cost of total length barbed wire used.	280.00	R.M	8.45	2,366.00
<b>Total Value of work</b>				<b>Rs.:</b>	<b>8,02,553.57</b>
<b>Total : Rs. Eight lakhs two thousand five hundred fifty four only</b>					

**Service tax:** Service tax is extra as applicable, which will be reimbursable to the agency on production of Valid documents.

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