



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-19/2015-16, Dt: 11.08.2015

PRICE BID

Item no.: 5

Name of work: Modification of J gate parking area.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	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.	45.00	Cu.m	103.40	4,653.00
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).	4.50	Cu.M	325.25	1,463.63
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).	8.50	Cu.M	1,560.50	13,264.25
4	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).	31.00	Cu.M	1,641.30	50,880.30
5	Providing and laying in position specified grade, of Plain 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).	60.00	cu.m	1,585.00	95,100.00
6	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.	2.50	M.T	4,003.00	10,007.50

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
7	Conveyance of excavated spoil up to a lead of 2 Kms, including loading, unloading and spreading etc. complete as directed by Engineer- in- charge.	45.00	Cu.M	56.41	2,538.45
8	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(Dismantled structures can be used)	9.00	MT	7,563.80	68,074.20
9	Erection of Steel work out lined in item No.8 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.	9.00	MT	3,241.60	29,174.40
10	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 BHEL stores.	9.00	MT	596.50	5,368.50

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Supply and Fixing of colour coated aluminium zinc alloy coated metallic hirib profile sheet of nominal 1015-1020mm effective cover width and 28-30 mm deep ribs with subtle square fluting in the five pan at nominal 202-205mm centre-to-centre. The end rib shall be designed for anti-capillary action, to avoid any seepage of water through the lateral overlap. The feen material is manufactured out of nominal 0.45mm base metal thickness (BMT) or 0.5 mm TCT, Hi-Strength steel with minimum 550 MPa yield strength metallic hot dip coated with aluminium -Zinc alloy (55 % Aluminium ,45 % Zinc)as per AS 1397-Zincalume AZ150 (Min 150 Grams / Sq.Mt) Total on both sides) with colour bond steel quality paint coat as per AS/NZS 2728 type 3-4.The paint shall have a total coating thickness of nominal 35 µm, Comprising of nominal 20µm exterior coat on top surface and nominal 5 µm reverse coat on back surface over nominal 5µm primer coat on both surfaces of approved colour shade by concern authority. The steel manufactures test certificate for the certificate for the chemical and mechanical properties of steel must be submitted for approval by the engineer-in-charge.	560.00	Sq.m	664.07	3,71,879.20
12	Providing Aluminium zinc alloy coated metallic sheet ridges of same colour of roof sheet Fixing to steel members with self drilling fastners at Max. 500 mm C/C along length of Caping etc.; Complete.	80.00	RM	900.00	72,000.00
13	Intercarting by loading and unloading by excavating earth from within the factory area within a 1 km radius including loading unloading and stacking and spreading in required thickness as directed by Engineer-in-charge.	100.00	Cu.m	152.82	15,282.00
14	Supply of JCB for turning and tilting the soil at garbage dumping yard area and at various locations in the factory area, as directed by Engineer-in-charge. It should work minimum 8 machine hours per a day. Rate includes all charges like fuel, hire charges etc.; complete.	8.00	One Hour	750.00	6,000.00
15	Providing and fixing G.I chain link fabric fencing of required width in mesh size 50X50 mm including strengthing with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge, made of GI wire of 4 mm dia, PVC coated to achieve outer dia not less than 5 mm in required coloue and shade, complete as directed by Engineer-in-charge.	480.00	sqm	403.95	1,93,896.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
16	Fencing with G.I barbed wire 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 struted on both sides and end post on one side only and provided 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.	2,560.00	R.M	8.45	21,632.00
17	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.	450.00	Sq.m	130.40	58,680.00
	Total Value of work			₹	10,19,893.43
Total : ₹ Ten lakhs nineteen thousand eight hundred ninety three and forty three paise only					

Note:

1	A penalty of 0.5% of the gross value of work shall be levied for every weeks or part there of non-execution/delay in the execution of work subjected to maximum penalty of 10% of the gross value of total part executed.
2	The rates are inclusive of all taxes and duties except Service tax, which is extra as per service tax norms will be paid by BHEL to the agency after submission of necessary documents.

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

Tender %	In figure	In words
Excess		
Less		
Estimated value		