



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.: 3

Name of work: Providing Road and Boundary Fencing at STP.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50m outside the periphery of the area cleared.	1,500.00	Sq.m	4.82	7,230.00
2	Preparation of subgrade by excavation earth to an average of 22.5 cm, dressing to camber and consolidation with road roller including making good the undulations etc. and disposal of surplus earth lead upto 50 m.	1,500.00	Sq.m	61.25	91,875.00
3	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.	510.00	Cu.m	130.80	66,708.00
4	Rolling with power road roller 8T to 10T capacity to required compacting .(Hire charges)	7.00	Days	1,500.00	10,500.00
5	Providing Boulder to required thickness of minimum 225mm using hard granite stone boulders and 25% granite metal of 38.1 to 76 mm (1-1/2" to 3") gauge for opacking and 20% gravel for filling interstices etc.; complete all as directed by Engineer-in-charge.	280.00	Cu.M	788.60	2,20,808.00
6	Supply and stacking of graded stone aggregate at site of size range of 63 mm to 45 mm in two layers of 100 mm thick.	240.00	Cu.M	1,100.80	2,64,192.00
7	Supply and stacking at site moorum and spreading at site as directed by Engineer-In-Charge	95.00	Cu.m	624.45	59,322.75

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
8	Laying water bound macadam 2 layers of 100 MM consolidated thickness each with stone aggregate , stone screening and blinding material including screening, sorting , spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc., complete.-base course with 63 mm to 45 mm size including stone screening 13.20 mmm size.(Payment for stone aggregate, screening and murram are to be paid separately)	240.00	Cu.m	330.15	79,236.00
9	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.	510.00	Cu.M	83.80	42,738.00
10	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 - 300 mm dia R.C.C pipe.	50.00	RM	422.90	21,145.00
11	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) -(Cement only will be issued on free of cost by BHEL)	7.00	cu.m	2,632.80	18,429.60
12	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). (Cement only will be issued on free of cost by BHEL)	60.00	Cu.M	2,583.60	1,55,016.00
13	Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand) (Cement only will be issued on free of cost by BHEL)	405.00	Cu.M	2,795.50	11,32,177.50
14	Pointing of stone work with CM 1:3 (1 cement: 3 fine sand)- raised and cut pointing (Cement only will be issued on free of cost by BHEL).	720.00	sqm	105.00	75,600.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
15	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 from the scrap yard can be used)	5.50	MT	7,109.97	39,104.84
16	Erection of Steel work out lined in item No.15 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.	5.50	MT	3,047.10	16,759.05
17	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.	5.50	MT	560.71	3,083.91
18	Supply and Fixing Hot dipped Galvanised Iron Chain link mesh 8 gauge - (4.0 mm) as per IS: 2721-1979 - PVC Coated - 2"x2" (50 mm x 50 mm) - 8 Gauge	1,320.00	Sqm	537.00	7,08,840.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	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.	3,600.00	R.M	8.45	30,420.00
	Total Value of work			₹	30,43,185.64
Total : ₹ Thirty lakhs forty three thousand one hundred eighty five and sixty four 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		