



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-15/2012-13, Dt: 14.08.2012

PRICE BID

Item no.: 2

Name of work: Improvement to surrounding area of production blocks for 01, 02, GT and other areas by providing concrete pavers & misc. works.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Earth work in excavation in all soils by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be leveled and neatly dressed etc. complete as directed by Engineer-in-charge.	156.00	Cu. m	129.35	20,178.60
2	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 : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	156.00	Cu.M	1,584.87	2,47,239.72
3	Providing and laying in position reinforced cement concrete of specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement, including consolidation by vibrations for all works up to floor level with 1:2:4 (1 Cement : 2 Coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	10.00	Cu.M	1,687.05	16,870.50
4	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 etc. complete as directed by Engineer-in-charge.**	1.00	M T	4,003.00	4,003.00
5	Removal of Wood Scrap / MS Scrap and garbage laid in the site, as directed by Engineer-in-charge.				
a)	Wood Scrap	50.00	M T	508.00	25,400.00
a)	MS Scrap	50.00	M T	301.00	15,050.00
6	Dismantling brick masonry walls for all heights, removing and clearing the debris 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 as directed by Engineer-in-charge.	5.00	Cu. m	355.88	1,779.40
7	Dismantling CRS masonry walls at all heights, removing and clearing the debris 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 as directed by Engineer-in-charge.	5.00	Cu. m	415.88	2,079.40

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
8	Cutting road and making good the same including supply of extra quantities of materials i.e., aggregate, moorum, screening, and labour required. Bituminous portion etc. complete as directed by Engineer-in-charge.	5.00	Cu.M	1,081.80	5,409.00
a)	of extra quantities of materials i.e., aggregate, moorum, screening, and labour required. Bituminous portion etc. complete as directed by Engineer-in-charge.				
b)	... do .. Water bound macadam	5.00	Cu.m	572.45	2,862.25
9	Surface dressing of the ground (all kinds of soil) including removing vegetation and inequalities not exceeding 15 cm deep and removal of rubbish lead upto 50 M and lift upto 1.50 M etc. complete as directed by Engineer-in-charge.	9,000.00	100 Sq. m	465.00	41,850.00
10	Supply & stacking of Stone dust including transportation and spreading as directed by Engineer-in-charge.	2,250.00	Cu. m	753.20	16,94,700.00
11	Supply & fixing of heavy duty factory made hydraulically pressed and mechanically compacted pre-cast concrete designed pavers , zig-zag /any other required design pavers in required colour, with 80 mm thickness, M40 Grade, inter lock concrete Paver blocks, 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 separately etc. complete as directed by Engineer-in-charge.	9,000.00	Sq. m	556.30	50,06,700.00
12	Supply & fixing of heavy duty factory made hydraulically pressed and mechanically compacted pre-cast concrete designed kerb blocks in required colour, with 110 mm thickness, M40 Grade, including spreading of stone dust properly for fixing the kerb blocks 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 separately etc. complete as directed by Engineer-in-charge.	1,500.00	R M	269.00	4,03,500.00
13a	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 etc. complete as directed by Engineer-in-charge.**	5.00	MT	7,563.80	37,819.00
b)	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 riveting, bolting, jointing and site welding where ever required etc. complete as directed by Engineer-in-charge.	5.00	MT	3,241.60	16,208.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
14	Supply, Providing & fixing of MS Hollow tube posts of diameter 50 mm, OD 60 mm, thickness 2.90 mm, including fabrication of hole fast with 12 mm Tor steel cut pieces at bottom of the post and fabrication of MS rings with 6 mm dia plain rod on both sides at top of the post, for hanging of chains and top hole of the pipe shall be closed with fabrication of MS design cap, as per the drawing enclosed. 12 mm tor steel pieces for hole fasts and 6 mm plain rod pieces for making rings will be issued by BHEL at free of cost. The cost shall include materials like MS pipe, top design cover, fabrication, cutting, welding, fixing in concrete, applying a priming coat of approved steel primer etc. complete as directed by Engineer-in-charge.	3,000.00	Kg	86.45	2,59,350.00
15	Supply, Providing & fixing of MS Chains, consisting of 12 mm thick rings and each welded ring shall be inter locked with other ring forming into chain, in required lengths as specified. The chains shall be fixed to rings of MS tubes. Rate shall include cost of all materials, fabrication, erection etc. complete as directed by Engineer-in-charge. Drawing of chain & design with details are enclosed etc. complete as directed by Engineer-in-charge.	3,600.00	Kg	50.00	1,80,000.00
16	Applying Synthetic enamel paint two or more coats to kerb stone of size 15 x 15 cm, with approved shade including cleaning the kerb stones with wire brushes before applying the paint, including cost of all labour, tools and other incidentals etc. complete as directed by Engineer-in-charge. (Paint will be issued on free of cost by BHEL at their stores).	1,500.00	R M	3.76	5,640.00
17	Painting at site of all structural steel work with 2 coats of aluminium paint / synthetic enamel paint of approved shade to MS tubes and MS chains, with approved brand of 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 etc. complete as directed by Engineer-in-charge.	10.40	M T	596.50	6,203.60
18	Supply and Fixing of RCC precast bollards of size 3.2 feet height and 80 mm dia. Manufactures using high grade armored steel used along with cement concrete, weather resistant high strength and corrosion resistant high strength and corrosion resistant etc.; complete as directed by Engineer-in-charge.	1,600.00	each	463.00	7,40,800.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	Supplying and laying of vitrified tiles of brighter shades and marble design of premium quality (1st quality) in required texture, design and colour, for flooring /skirting/cladding using vitrified tiles of size 600 X600X8 mm thick of approved make. It includes cost of cutting, champering of tiles to existing mosaic / cement flooring jointing the tiles with colour tint etc., complete as directed by engineer-In-charge. The rate quoted shall include cost of all materials, labour, adhesives, colour tint material, leads and lifts etc.; complete. Amount will be paid on the basis of measurement of the area of finished work only. It also includes surface preparation of existing ceramic / Mosaic floor giving necessary slopes, cleaning joints and grouting joints with pigmented additives to match shade of the tile, making pockets for electrical, communication, network cables etc. complete as directed by engineer-In-charge.	1,500.00	Sq.m	950.00	14,25,000.00
	Total			₹	1,01,58,642.47
	Add increase in Vat 1% over the material cost (70% of contractor scope)			₹	71,110.50
	Total value of work			₹	1,02,29,752.97
Total : ₹ One crore two lakhs twenty nine thousand seven hundred fifty two and ninety seven paise only					

Note: **Cement, structural steel, MS reinforcement steel will be issue by BHEL on free of cost at BHEL stores.

1	A penalty of 0.5% of the gross value of work will be levied for every week's or part thereof delay of work subject to a maximum penalty of 10% of the gross value of work.
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		

Name of the Contractor :

Signature of the Contractor