



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-14/2012-13, Dt: 14.08.2012

PRICE BID

Item no.: 1

Name of work: Development of landscaping (hardscaping) in front of all shop areas in Factory area.

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.	6,220.00	Cu. m.	103.40	6,43,148.00
2	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 - beyond 1.20 M to 2.40 meters girth etc. complete as directed by Engineer-in-charge.	50.00	Each	1,658.85	82,942.50
3	Intercarting of earth for making lawns including excavation of red earth within the factory premises i.e. transportation upto 3 Km lead including loading and unloading etc. complete as directed by Engineer-in-charge.	6,086.00	Cu. m.	63.32	3,85,365.52
4	Supply & stacking of Sand etc. complete as directed by Engineer-in-charge.	45.00	Cu. m.	750.00	33,750.00
5 a)	Supply, installation, testing and commissioning of water fountains at specified locations, including all fittings and accessories complete. Model and type shall be specified by department. It includes all accessories and fittings like Central Nozzle System, Surround Nozzle System, Filtration System, Chlorination System, Water feature mounted fittings, Vacuum Fitting, Over flow fitting, Electrical lighting & Control system etc. complete. Details of all accessories and fittings along with required quantities are enclosed in Annexure etc. complete as directed by Engineer-in-charge. (Ref. Water Future Type I) Make: Crystal / Oase / Premier	1.00	Each	5,85,500.00	5,85,500.00
b)	Supply, installation, testing and commissioning of water fountains at specified locations, including all fittings and accessories complete. Model and type shall be specified by department. It includes all accessories and fittings like Central Nozzle System, Surround Nozzle System, Filtration System, Chlorination System, Water feature mounted fittings, Vacuum Fitting, Over flow fitting, Electrical lighting & Control system etc. complete. Details of all accessories and fittings along with required quantities are enclosed in Annexure etc. complete as directed by Engineer-in-charge. (Ref. Water Future Type II) Make: Crystal / Oase / Premier	1.00	Each	5,45,850.00	5,45,850.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
6	Supply & fixing of Sprinkler system for above lawns, including all necessary PVC fittings like elbows, tees etc. complete as directed by Engineer-in-charge.				
a)	Screen Filter (40 m ³ - 1 Unit)	4.00	Each	3,900.00	15,600.00
b)	Nelson / Rain Bird / Toro make Pop-up Sprinklers.	500.00	Each	1,274.00	6,37,000.00
c)	90 mm PVC Pipe (6 Kg/Sq. Cm) Make: Sudhakar	400.00	R M	181.14	72,456.00
d)	63 mm PVC Pipe (6 Kg/Sq. Cm) Make: Sudhakar	2,000.00	R M	91.50	1,83,000.00
e)	53 mm PVC Pipe (6 Kg/Sq. Cm) Make: Sudhakar	200.00	R M	57.71	11,542.00
f)	40 mm PVC Pipe (6 Kg/Sq. Cm)	100.00	R M	37.38	3,738.00
g)	Control Valve (63 mm)	30.00	Each	730.08	21,902.40
h)	Control Valve (53 mm)	30.00	Each	473.20	14,196.00
i)	Control Valve (40 mm)	10.00	Each	395.20	3,952.00
j)	End Caps (63 mm)	60.00	Each	104.00	6,240.00
k)	End Caps (53 mm)	60.00	Each	78.00	4,680.00
l)	End Caps (40 mm)	60.00	Each	52.00	3,120.00
m)	Fittings for Hydrants	500.00	Each	306.80	1,53,400.00
n)	All PVC fittings of Sudhakar make, for the above lawns.	1.00	Set	5,200.00	5,200.00
7	Supply & fixing of Sprinkler system for above lawns, including all necessary PVC fittings etc. complete.				
a)	Screen Filter (40 m ³ - 1 Unit)	2.00	Each	3,750.00	7,500.00
b)	Spray head sprinklers. (Make: Nelson / Rain Bird / Toro)	800.00	Each	400.00	3,20,000.00
c)	Fittings for Hydrants	800.00	Each	300.00	2,40,000.00
d)	PVC Pipe 63 mm dia (4 Kg/Sq. m), Make: Sudhakar	200.00	R M	90.00	18,000.00
e)	Ball Valve (90 mm)	40.00	Each	702.00	28,080.00
f)	Ball Valve (63 mm)	8.00	Each	1,800.00	14,400.00
g)	All PVC fittings of Sudhakar make, for the above lawns.	1.00	Set	5,200.00	5,200.00
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 1:2:4 (1 cement : 4 coarse sand : 4 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	5.00	Cu.M	1,585.00	7,925.00
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 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc. complete as directed by Engineer-in-charge.**	10.00	Cu.M	1,560.50	15,605.00
10	Brick work with clay flyash FPS brick of class designation 75 in super structure above plinth level upto floor five level in cement mortar 1:6 (1 cement : 6 Coarse sand) etc. complete as directed by Engineer-in-charge.**	10.00	Cu.M	1,808.00	18,080.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Plastering in CM 1:6, 20 mm thick to internal and external surfaces of walls including the cost of all materials, labour, curing etc. complete -Upto 10.00 M level etc. complete as directed by Engineer-in-charge.**	200.00	Sq.m	65.80	13,160.00
12	Plastering in CM 1:6 , 20 mm thick to compound wall pillars with specified design, including the cost of all materials, labour, curing etc. complete, as directed by Engineer-in-charge. -Upto 10.00 M level.**	120.00	Sq.m	65.80	7,896.00
13	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 as directed by Engineer-in-charge.	100.00	Sq.m	130.40	13,040.00
14	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.	2.00	Cu.m	355.88	711.76
15	Dismantling stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction -in-charge - in cement mortar etc. complete as directed by Engineer-in-charge.	1.00	Cu.m	415.88	415.88
16	Dismantling reinforced cement concrete / plain cement concrete and disposing of debris upto to a lead of 2 KM including loading, unloading and spreading as directed by Engineer-in-charge etc., complete.	1.00	Cu.m	582.68	582.68
17	Supply & Fabrication of ornamental grills with box frame by using MS Angle of 50 mm x 50 mm x 6 mm size and ornamental design with 35 mm x 3 mm thick MS Flats as per given design and providing MS hold fasts - 4 Nos. for each grill, 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 electrodes, gasses will be issued by BHEL on FREE of cost at their stores	7.60	M T	51,200.00	3,89,120.00
18	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 as directed by Engineer-in-charge. The required paint only will be issued free of cost by B.H.E.L at their stores.	7.60	MT	596.50	4,533.40

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
19	Applying exterior emulsion paint two coats of given shade on old surfaces of walls at all heights of buildings including scraping the old surfaces, cost of all labour and other incidentals etc. complete as directed by Engineer-in-charge. (Only exterior emulsion paint will be supplied by BHEL).	216.00	Sq.m	20.55	4,438.80
20	Supply and Fixing of 2.5 Sq.mm, 3 core power Supply cable etc. complete as directed by Engineer-in-charge.	240.00	RM	1,580.00	3,79,200.00
21	Supply and Fixing of 2.5 Sq. mm x 3 core flat cable for motor and pump etc. complete as directed by Engineer-in-charge.	800.00	RM	80.00	64,000.00
22	Supplying and Erection of 10 HP Submersible Pump with 12 stages, ISI marked, having copper rotor and capable to total working head of 360ft, including flat cable suitable to submersible pump to the required length of motor commenced in the bore well etc. complete as directed by Engineer-in-charge.	6.00	Each	40,000.00	2,40,000.00
23	Supply and Fixing of Switch Box/ fuse Box etc. complete as directed by Engineer-in-charge.	6.00	Each	2,350.00	14,100.00
24	Supply and Fixing of Star Delta Starter with push button operated in a steel enclosure with OLR rating 13 A to 24 A, 3 Phase 415V - 3 Nos. Make: L & T / Siemens / Crompton Greaves	6.00	Each	9,900.00	59,400.00
25	Supplying, laying and jointing 80 mm nominal bore GI pipe medium grade properties and weight as per IS 1239, ISI marked with GI fittings, including cost of pipe and its fittings, labour charges, testing, etc. complete as directed by Engineer-in-charge.	800.00	RM	881.35	7,05,080.00
26	Supplying, laying and jointing 50 mm nominal bore GI pipe medium grade properties and weight as per IS 1239, ISI marked with GI fittings, including cost of pipe and its fittings, labour charges, testing, etc. complete as directed by Engineer-in-charge.	800.00	RM	703.30	5,62,640.00
27	Supply and Fixing of Timer FMIQT or FMQT 24 hrs of make L & T / Siemens / Crompton Greaves as per ISI all as directed by Engineer-in-charge.	12.00	Each	1,480.00	17,760.00
28	Supply & fixing of GM peet valves, heavy quality, ISI marked Leader/Zoloto make of nominal bore for 80 mm (3") dia etc. complete as directed by Engineer-in-charge.	16.00	Each	3,089.85	49,437.60
29	.. Do... 50mm dia (2")	16.00	Each	1,110.55	17,768.80
30	Conducting Geophysical survey to identify ground water resources in all types of soils / rocks including all incidentals and recommending most suitable points for drilling bore well etc. complete as directed by Engineer-in-charge.	18.00	Each	500.00	9,000.00
31	Drilling of Bore wells of 163 mm dia (6.5") at identified places in all types of soils including all incidentals charges, transportation etc. complete as directed by Engineer-in-charge.				
a)	Upto 60 mtrs. Depth (up to 200 feet)	360.00	R M	165.97	59,749.20
b)	from 60 mtrs. To 90 mtrs. Depth (200 to 300 feet)	180.00	R M	203.69	36,664.20
c)	from 90 mtrs. to 120 mtrs. Depth (300 to 400 feet)	180.00	R M	241.41	43,453.80

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
32	Supplying and fixing in position of PVC Sudhakar make 6 Kgs / Sq. Cm casing pipe of 200 mm (8"), heavy duty as per IS 4995, ISI marked upto required depth including cost of all materials and other incidentals etc. complete as directed by Engineer-in-charge.	140.00	R M	754.40	1,05,616.00
33	Supply & fixing of CI flanged and spigot tall pieces of 600 mm long and 250 mm dia and providing with 1 mm thick MS sheet dummy over tall pieces and fixing with cement concrete at new drilled bore wells etc. complete as directed by Engineer-in-charge.	6.00	Each	1,800.00	10,800.00
34	Supply & fixing of walk way tiles of required design, colour and make, with base of cement mortar in 1:3, 20 mm thick for fixing tiles on existing flooring. Cost of the tile shall be Rs. 50/- per S Ft. User department shall select the design and colour, the agency will procure the same within the above specified cost. Rate quoted shall include cost of all materials, leads and lifts etc. complete. Amount will be paid for the finished item of work only etc. complete as directed by Engineer-in-charge.**	600.00	Sq. m	650.00	3,90,000.00
	Total			₹	72,85,940.54
	Add increase in VAT 1% over the material cost (70 % of above value)			₹	51,001.58
	Total value of work			₹	73,36,942.12
Total : ₹ Seventy three lakhs thirty six thousand nine hundred forty two and twelve paise only					

Note: **The required 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 or part thereof 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 executed.
2	The rates are inclusive of all taxes and duties except Service tax (as applicable), 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