



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-06/2014-15, Dt: 25.04.2014

PRICE BID

Item no.: 3

Name of work: Maintenance of external sewage system / open drains, clearing of sewage lines and sweeping of roads in Factory area.

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1	Earth work in excavation 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.	75.00	Cu.M	103.40	7,755.00
2	Cleaning the open drains by removing mud, leaves and stones and conveying the same within a lead of 2 Kms., etc., complete as directed by Engineer-in-charge.	8,000.00	R.M	4.68	37,400.00
3	Laying and jointing of RCC hume pipes of 150 and 225 mm (6" and 9") dia, in CM 1:1 including excavation, testing and refilling etc., complete. RCC hume pipes will be supplied free of cost by BHEL at their stores.	6.00	R.M	23.50	141.00
4a	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 - 250mm dia R.C.C pipe.	15.00	RM	258.20	3,873.00
b	-----do -----for 300 mm dia RCC pipe.	15.00	RM	338.75	5,081.25
c	-----do -----for 450 mm dia RCC pipe.	15.00	RM	499.55	7,493.25
5	Supplying ,laying ,jointing and testing 152.4 mm (6") SWG pipes of ISI make conforming to ISI 651 & 4127 with airtight cement joints in Cement mortar 1.5:1 prop. including excavation of trenches and socket pits in anysoil(except rock requiring blasting) up to 914.40 mm(3'.0") depth and refilling with watering and tamping.	50.00	RM	526.00	26,300.00
6	Rodding of under ground sewer lines such as S.W.G pipes / R.C.C. pipes, / G.I.pipes and clearing and removing the deposits from the manholes, / chambers upto depth of 10.00 M and disposing the same to a lead of 2.00 KMs., for the following dia. Of pipes at all depths. The rate quoted shall include cost of labour and tools required for cleaning the sewer lines, cleaning rods and safety equipment.				
a	100 mm dia..	1,000.00	R.M	6.16	6,160.00
b	150 mm dia.	2,000.00	R.M	7.92	15,840.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
c	225 mm dia.	3,000.00	R.M	9.46	28,380.00
d	300 mm dia.	2,500.00	R.M	11.80	29,507.50
e	375 mm dia.	500.00	R.M	11.62	5,808.00
f	for inspection chambers	25.00	Each	76.60	1,915.10
g	for man holes	25.00	Each	76.60	1,915.10
7	Cleaning of canteen waste collection tanks and waste collection chambers located at 02, 03, 04 and 51 staff and works canteens including removal of waste from the chambers and septic tanks, loading into vehicle, conveying and unloading the same at outside the factory area etc., complete as directed by the Engineer-in-charge. The vehicle shall be weighed before and after lading the waste materials, at BHEL weigh bridge for each trip. The rate quoted shall include cost or labour, hire charges of vehicle, cost or tools required for cleaning. The payment will be made against the weight for the waste materials disposed.	40.00	M.T	359.92	14,396.80
8	Cleaning and Clearing the choakages of nahany traps 'P' or 'S' traps and gully traps in the toilets at factory and Administrative building areas including removal and disposal of waste materials etc., complete as directed by the Engineer-in-charge. The rate quoted shall include cost of labour and tools.	200.00	Each	37.50	7,499.80
9a	Sweeping of the roads, open yards, road side berms etc. including entrances of blocks, Annexes etc. including making heaps of collected garbage, dry leaves, waster etc. and loading into tractor on daily basis. The rate quoted shall include cost of tools, tackles and safety equipment. (It is assessed that nine unskilled services per day are required for carrying out the above job of one operation).	287.00	One Oper	5,487.93	15,75,035.91
b	Assisting in operation / maintenance of sewer lines by engaging one No. of SSW for monitoring the man holes cleaning / sewer lines cleaning works, Including removing the chamber covers with the help of USW fo exhaust of poisonous gases from the manholes / sewer line before entering into man holes for cleaning of chambers and also to take care of any gases in the man hole with the help of required apparatus and all as directed by Engineer-in-charge.	287.00	One Oper	663.10	1,90,309.70
10	Engaging tractor trailer with Four unskilled services per day , for removal of waste, materials from out side the blocks, storage yards etc. like surpus earth, canteen waste, papers, wood, steel, plastic, drainage silt, any other waste materials are to be conveyed to garbage yard or scrap yard without weighthment. The rate quoted shall include cost of labour and hire charges of tractor trailer with driver per day.	150.00	Tractor Day	3,439.08	5,15,862.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
11	Cleaning of road gully chambers by removing leaves, mud, stones etc., and disposing the garbage into factory dumping yard.	900.00	Each	8.05	7,246.80
	Total value of work			₹	24,87,920.21
Total : ₹ Twenty four lakhs eighty seven thousand nine hundred twenty and twenty one paise only					

Note:

1	A penalty of 0.50 % of the gross value of work will be levied for every week's or part thereof delay in execution of work by the agency, subject to a maximum penalty of 10 % of gross value of the total work 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		