



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

SCHEDULE- A

Tender Notice No:

HY/FCD/OT-03/2012-13, Dt: 18.05.2012

PRICE BID

Item no.: 6

**Name of work: Extension of existing storm water line by providing RCC pipe line  
 1200 mm dia at LPG yard on South west side of Factory area.**

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
1a	<b>Earth work in excavation in all soils</b> 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 etc., complete as directed by Engineer-in-charge.	420.00	Cu.m	103.40	43,428.00
b	----do---- up to First additional depth of 1.50 M to 3.00 M etc., complete as directed by Engineer-in-charge.	420.00	Cu.m	122.30	51,366.00
2	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 - 1200mm dia R.C.C pipe etc., complete as directed by Engineer-in-charge.	100.00	RM	2208.30	220830.00
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 <b>1:4:8</b> (1 cement : 4 coarse sand : 8 graded stone aggregate of 20 mm nominal size) etc., complete as directed by Engineer-in-charge. <b>(Cement will be issued by BHEL on free of cost)</b>	3.00	Cu.M	1560.50	4681.50
4	Coursed rubble masonry in second sort with hard stone in foundation & plinth with cement mortar 1:6 (1 cement :6 coarse sand) etc., complete as directed by Engineer-in-charge. <b>(Cement will be issued by BHEL on free of cost)</b>	45.00	Cu.M	1521.00	68445.00
5	Pointing on stone work with cement mortar 1:3 (1 cement :3 fine sand) : - Flush / Ruled Pointing etc., complete as directed by Engineer-in-charge. <b>(Cement will be issued by BHEL on free of cost)</b>	100.00	Sq.m	56.40	5640.00

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
6	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 <b>up to plinth level</b> with <b>1:1½:3</b> (1 cement : 1½ coarse sand : 3 graded stone aggregate of 20 mm nominal size) etc., complete as directed by Engineer-in-charge. <b>(Cement will be issued by BHEL on free of cost)</b>	4.00	Cu.m	1641.30	6565.20
7	<b>Reinforcement for R.C.C. work</b> 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.	0.30	M.T	4003.00	1200.90
8	<b>Centering</b> and shuttering including strutting, propping etc., and removal of form work, for columns, pillars, piers, abutments, machine foundations, posts and struts etc., complete as directed by Engineer-in-charge.	27.00	Sq.m	180.40	4870.80
9	Fabrication and fixing <b>inserts</b> in concrete wall with lugs of required dia welded to the insert plates.(Structural Steel, electrodes and gas required for work will be issued on free of cost by BHEL at their stores) etc., complete as directed by Engineer-in-charge.	0.30	MT	3500.00	1050.00
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 their stores etc., complete as directed by Engineer-in-charge.	0.30	MT	596.50	178.95
11	<b>Filling</b> 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 etc., complete as directed by Engineer-in-charge.	840.00	Cu.M	45.70	38388.00
12	Providing MS Foot rests including fixing in manholes with 20 cm X 20 cm X10 cm cement concrete blocks 1:3:6 (1cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) as per standard design - with 20 mm X 20 mm square bar etc., complete as directed by Engineer-in-charge.	24.00	Each	149.85	3596.40

S. No.	Description of the item	Qty	Unit	Rate (₹)	Amount (₹)
13	Dismantling Stone rubble masonry manually/ mechanical means Including stacking of serviceable material and disposal of unserviceable material within 2.00 KM lead etc., complete as directed by Engineer-in-charge.	2.00	Cu.m	415.88	831.76
	<b>Total</b>			₹	<b>4,51,072.51</b>
	<b>Add increase in Vat 1% over the material cost (70% of contractor scope)</b>			₹	3,157.51
	<b>Total value of work</b>			₹	<b>4,54,230.02</b>
<b>Total : ₹ Four lakhs fifty four thousand two hundred thirty and two paise only</b>					

**Note:-** The required cement and steel will be issued on free of cost at BHEL stores other than Ready mix concrete items.

1	A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of 10% of the gross value of work.
2	Service tax is extra as applicable, which will be reimbursable to the agency on production of paid proof documents.
3	The rates are inclusive of all taxes and duties.

**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