

TENDER

TENDER NOTIFICATION NO. - FCX/22231051

FOR

Repair and laying of sewer line inside factory area.

PRICE BID



FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BHOPAL – 462 022 (M.P)

PREAMBLE OF PRICE BID

1.0 This Price Bid consists of Three Schedule:

1.1 Schedule A

Schedule A consists of **Two** Annexure:

The evaluation currency for this tender shall be INR. Total price of the package combining **Annexure I & Annexure II** to be quoted by the bidders which shall form the basis for comparison for deciding lowest bid. For further processing and award, total quoted amount by the L1 (lowest) bidder for the package shall be used for deriving individual item rate by BHEL based on % (percentage) weightage specified at Annexure I & Annexure II of Price Schedule.

1.2 Schedule B

It consists of details of free issue materials by BHEL.

1.3 Schedule C

It consists of details of tools & tackles provided by BHEL either on higher basis or on free of cost basis which are mentioned in price bid.

2.0 The work to be carried out under the contract shall, except as otherwise provided in tender conditions, include all labour, materials, tools, plant, equipment, and transport which may be required in preparation of and for full & entire execution and completion of the Works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include waste on materials, carriage and cartage, carrying in return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles as laid down in Technical Specification & elsewhere in Tender

3.0 The price bid should not contain any condition. Conditional price Bids shall be summarily rejected.

4.0 The bidder should not leave any column blank in Price Schedules.

5.0 Price Quoted shall include all taxes, & duties except **GST**.

6.0 Unless otherwise specified in the items involving cement, reinforcement steel or structural steel, these items shall be issued free of cost by BHEL.

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule**

Name of work:- Repair and laying of sewer line inside factory area.

SUMMARY

	Details ANNEXURE	Total Amount (Rs.)
	Total price of the package combining of Annexure-I & Annexure-II.	

Amount in words: Rs.

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NOTE:

- 1 The evaluation currency for this tender shall be INR. Total price of the package combining of **Annexure-I & Annexure-II** to be quoted by the bidders which shall form the basis of comparison for deciding lowest bid.
For further processing & award total quoted Amount for the package by the L1 (lowest) bidder shall be used for deriving Individual item rate by BHEL based on % (percentage) weightage specified at **Annexure-I & Annexure-II** of Price Schedule.
- 2 In case of “discrepancy in words and figures”, the same shall be adjusted in accordance with following rule:
 - (a) If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
 - (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.
 - (d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule A : Anneuxre - I**

Name of work:- Repair and laying of sewer line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of material up to 1 km lead by Mechanical transport including, loading, unloading & stacking of			
	1.1.1	a) Lime, Moorum, Building rubbish	10.00	cum	0.1576
	1.1.2	b) Earth	20.00	cum	0.3939
2		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.			
	2.8.1	All kinds of soil.	250.00	cum	7.7792
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m	230.00	cum	4.5852
4		Excavation trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil.			
	2.10.1.2	Pipes, cables, etc. exceeding 80 mm dia but not exceeding 300 mm dia.	250.00	metre	9.8490
5		Extra rate for quantities of work, executed:			
	2.24.2	In or under foul position, including pumping out water as required.(25% of item no.4 above)	100.00	metre depth	0.9849
6		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:(Excluding the cost of cement) (Cement free issue by the Deptt.)			
	4.1.8	a) 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	5.00	cum	3.0080
	4.1.3	b) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	5.00	cum	3.0646

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Name of work:- Repair and laying of sewer line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7		Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level. (Excluding the cost of cement) (Cement free issue by the Deptt.)			
	5.1.2	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	5.00	cum	3.2070
8	Ana 5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. (Reinforcement bars will be supplied free of cost from BHEL store).			
		Thermo-Mechanically Treated bars.(TMT bars)	420.00	kg.	0.7394
9		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	50.00	sqm	1.8497
10	5.12	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like including the cost of required centering, shuttering but excluding cost of reinforcement, with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size). (Excluding the cost of cement) (Cement free issue by the Deptt.)	2.00	cum	1.5582
11		Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :- (Excluding the cost of cement)(Cement free issue by the Deptt.)			
	7.7.1	Cement mortar 1:6 (1 cement : 6 coarse sand).	10.00	cum	6.5528
12		12 mm cement plaster of mix: (Excluding the cost of cement)(Cement free issue by the Deptt.)			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	50.00	sqm	1.1800
13		15 mm cement plaster on rough side of single or half brick wall of mix. (Excluding the cost of cement)(Cement free issue by the Deptt.)			
	13.5.2	1 : 6 (1 cement : 6 coarse sand) .	50.00	sqm	1.3602

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule A : Anneuxre - I**

Name of work:- Repair and laying of sewer line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
14		20 mm cement plaster of mix: (Excluding the cost of cement)(Cement free issue by the Deptt.)			
	13.6.2	1 : 6 (1 cement : 6 coarse sand).	50.00	sqm	1.6118
15	13.18	Neat cement punning. (Excluding the cost of cement)(Cement free issue by the Deptt.)	50.00	sqm	0.2182
16	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50metres lead as per direction of Engineer - in- charge.	5.00	cum	1.1644
17		Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.			
	15.7.4	In cement mortar.	5.00	cum	0.6740
18	15.25	Dismantling stone slab flooring laid in cement mortar including stacking serviceable material and disposal of unserviceable material within 50 metres lead.	50.00	sqm	0.8767
19		Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50metres lead as per direction of Engineer-in-charge :			
	1543.1	Water bound macadam road	10.00	Sqm	0.1468
	15.43.2	Bituminous road	10.00	Sqm	0.2854
20	19.6	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. (Cement shall be issued free of cost			
	19.6.2	150 mm dia. R.C.C. pipe	200.00	metre	9.6420
	19.6.3	250 mm dia. R.C.C. pipe	300.00	metre	21.4208
					0.0000
21		Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps:			
	19.5.1	a) 100 mm diameter	50.00	metre	0.2902

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	19.5.2	b) 150 mm diameter	50.00	metre	0.3206
22		Making connection of drain or sewer line with existing man-hole including breaking into and making good the walls, floors with cement concrete 1 : 2 : 4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) cement plastered on both sides with cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement and making necessary channels for the drain etc. complete:(Excluding the cost of cement)(Cement free issue by the Deptt.)			
	19.21.1	For pipes 100 to 250 mm diameter.	20.00	each	1.1507
		Total Annexure -I			84.07

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule A : Anneuxre - II**

Name of work:- Repair and laying of sewer line inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Brick work with Ghol bricks of class designation 50 and above in superstructure above plinth level up to floor V level in all shapes and sizes in cement mortar 1:6 (1 cement : 6 coarse sand). (Cement free issue by the Deptt.)	10.00	cum	15.9291
	Total : Annexure II			15.93
	Total : Annexure I + Annexure II			100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work:- Repair and laying of sewer line inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Reinforcement Steel

Note: If the contractor fails to return to the department unconsumed portion of total quantities of respective free issue material after completion of work or as and when instructed by Engineer-in-charge, recovery at twice the respective material cost of the item as procured by BHEL shall be made from the contractor's bill(s).

Price Schedule C

Name of work:- Repair and laying of sewer line inside factory area.

Hire charges.

- i) Drill machine @ 252.00/- per day

- 2 Drill machine rod /jack hammer rod Rs. 100.00 per rod

- 3 Electricity charges at Rs.66/- per M.T. of fabrication of structural steel

} (Subject to availability)