

# TENDER

**TENDER NOTIFICATION NO. - FCX/22231046**

FOR

**Repair & maintenance work of periphery boundary wall  
of SDX yard & other work inside factory premises.**

**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 One Annexure:

The evaluation currency for this tender shall be INR. Total price of the package consists of **Annexure I** 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 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 & maintenance work of periphery boundary wall of SDX yard & other work inside factory premises.

**SUMMARY**

	Details ANNEXURE	Total Amount (Rs.)
	Total price of the package consisting of Annexure-I	

Amount in words: Rs.

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**NOTE:**

- 1 The evaluation currency for this tender shall be INR. Total price of the package consists of **Annexure-I** 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** 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 & maintenance work of periphery boundary wall of SDX yard & other work inside factory premises.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of materials by mechanical transport including loading, unloading and stacking --- 1 Km lead			
a)	1.1.1	Lime, Moorum, building rubbish	10.00	cum	0.1863
b)	1.1.2	Earth	10.00	cum	0.2328
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 upto 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.	27.00	cum	0.9932
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	17.00	cum	0.4006
4	**	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:( <b>Cement free issue by the Deptt.</b> )			
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ).	9.00	cum	6.5209
b)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size ).	11.00	cum	7.8228
5	**	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work upto plinth level.( <b>Cement free issue by the Deptt.</b> )			
	5.1.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	5.00	cum	3.8897
6		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1 ana*	a) Foundations, footings, bases of columns, etc. for mass concrete.	80.00	sqm	3.4984
7	Ana. 5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. ( <b>Reinforcement bars will be supplied free of cost from BHEL store.</b> )			
		Thermo-Mechanically Treated bars.	200.00	Kg	0.4162
8	Ana.	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with ( <b>Excluding the cost of cement which shall be supplied free of cost by BHEL</b> ):-			

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

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	7.7.1	Cement mortar 1:6 ( 1 cement : 6 coarse sand).	36.00	cum	27.8863
9	Ana. 10.2	Structural steel work riveted ,bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. <b>(Structural steel and primer will be supplied free of cost from BHEL store).</b>	6747.36	kg	24.7627
10	**	15 mm cement plaster on the rough side of single or half brick wall of mix: <b>(Cement free issue by the Deptt.)</b>			
	13.5.2	1 : 6 (1 cement : 6 coarse sand).	50.00	sqm	1.6079
11	**	Pointing on stone work with cement mortar 1 : 3 (1 cement : 3 fine sand):(excluding cost of cement which shall be supplied free of cost by BHEL)			
	13.33.2	Raised and cut pointing.	180.00	sqm	9.5268
12	Ana.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: <b>(Paint free issue from BHEL store )</b>			
	13.61.1	Two or more coats on new work.	220.00	sqm	2.1933
13	Analysis	White washing with lime to give an even shade :			
	14.42.1	Old work (two or more coats)	500.00	sqm	0.9829
14		Painting with synthetic paint of approved brand and manufacture of required colour to give an even shade: <b>(Synthetic paint free issue by BHEL store)</b>			
	Ana 14.54.1	One or more coats on old work.	350.00	sqm	2.3770
15		Finishing walls with Premium Acrylic Smooth exterior paint with Silicon additive of required shade :			
	14.67.1*	Old work (Two or more coat applied @ 1.43 ltr/10sqm) over existing cement paint surface.	100.00	sqm	1.5237
16		Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.			
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	1.00	cum	0.1887
17	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	1.00	cum	0.2753

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

Name of work:- Repair & maintenance work of periphery boundary wall of SDX yard & other work inside factory premises.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
18		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.	1.00	cum	0.1593
19		Demolishing stone rubble masonry 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:			
	15.9.2	In cement mortar	10.00	cum	1.9012
20	15.19	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	3117.75	kg	0.9206
21		Fencing with angle iron post placed at required distance embedded in cement concrete blocks and every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only, provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire 9.38 kg per 100 metres (minimum) between the two posts fitted and fixed with G.I. staples etc. complete.(cost of posts, struts, earth work and concrete work to be paid for separately):Payment to be made per metre cost of total length of barbed wire used.			0.0000
	16.18.1	With G.I. Barbed wire.	920.00	metre	1.7335
		<b>Total Annexure -I</b>		<b>Total Rs.:</b>	<b>100.00</b>

**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**

**Price Schedule B**

Name of work:- Repair & maintenance work of periphery boundary wall of SDX yard & other work inside factory premises.

The following material free issue from BHEL stores.

- 1 Reinforcement Steel.
- 2 Cement
- 3 Structural steel
- 4 Paint and primer

**Price Schedule C**

Name of work:- Repair & maintenance work of periphery boundary wall of SDX yard & other work inside factory premises.

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|---|---|---------------------------|
| <ol style="list-style-type: none"><li>1 Hire charges.<ol style="list-style-type: none"><li>i) Drill machine @ 252.00/- per day</li><li>ii) Jack Hammer @108.00/- per day</li></ol></li><li>2 Drill machine/jack hammer rod Rs. 100.00 per rod</li><li>3 Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel</li></ol> | } | (Subject to availability) |
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