

# TENDER

**TENDER NOTIFICATION NO. - FCX/22231062**

FOR

**Repair & Maintenance work of boundary wall 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 of **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 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 Specification.

**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 boundary wall 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 &amp; MAINTENANCE DIVISION

## Price Schedule A : Anneuxre - I

Name of work:- Repair &amp; Maintenance work of boundary wall inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of material by Mechanical transport including, loading, unloading & stacking of..			
	1.1.1	Lime, moorum, building rubbish 1 km lead	2.00	cum	0.0302
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.	50.00	cum	1.4912
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.	5.00	cum	0.0955
4		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:(Excluding cost of cement which shall be paid saperately)			
(a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ).	65.00	cum	38.1833
(b)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size ).	15.00	cum	8.6487
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.(Excluding cost of cement which shall be paid saperately)			
	5.1.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	3.00	cum	1.8922
6		Centering and shuttering including strutting, propping etc. and removal of form for :			
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	25.00	sqm	0.8864

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7	Ana. 5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. <b>(Reinforcement bars will be supplied free of cost from BHEL store).</b>			
		Thermo-Mechanically Treated bars.	90.00	Kg	0.1519
8	10.2 Ana	Structural steel work welded /riveted/ bolted 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 will be issued free of cost from BHEL store)</b>	3000.00	Kg	8.9264
9	**	15 mm cement plaster on rough side of single or half brick wall of mix: <b>(Excluding cost of cement which shall be paid saperately)</b>			
	13.5.2	1 : 6 (1 cement : 6 coarse sand).	20.00	sqm	0.5214
10		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade.			
	Ana. 13.61.1	Two or more coats on new work.	50.00	sqm	0.5723
11		Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 metres lead: <b>(Excluding cost of cement which shall be paid saperately)</b>			
	14.1.2	With cement mortar 1 : 4 (1 cement : 4 coarse sand).	100.00	sqm	3.5512
12		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	0.1530
13	15.3	Demolishing RCC 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	0.2232
14		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 :			

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

Name of work:- Repair &amp; Maintenance work of boundary wall inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	15.7.4	In cement mortar.	1.00	cum	0.1292
15	15.19	Dismantling steel work manually / by mechanical means in built up sections without dismembering and stacking within 50 meters lead. as per direction of Engineer-in-charge.	50.00	Kg	0.0120
16	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	10.00	Sqm	0.0342
17		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.			
	16.18.1	With G.I. Barbed wire.	180.00	metre	0.4207
<b>Total : Annexure I</b>					<b>65.92</b>

## FACTORY CIVIL CONSTRUCTION &amp; MAINTENANCE DIVISION

## Price Schedule A : Anneuxre - II

Name of work:- Repair &amp; Maintenance work of boundary wall inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	<p>Fixing concertina coil fencing with punched tape of minimum 0.5mm thickness and 14 mm width having GI spring core wire dia minimum 2.5 mm and 50-52 spiral turn per 6 metre(m) off coil ( openable length of coil without disturbing dia of 750 mm is 10 metre.) with all accessories such as jock pin,GI wire and GI hardware clip for fixing of RBT/barbed wire having galvanised coating as minimum 150 GSM for all members, on wall having an approximate height upto 3.0 to 4.0 metre as per site condition at existing 'Y' shaped angles placed at 2.40 metre to 3.00 metre apart and with horizontal lines of R.B.T. (Reinforced barbed tape)/barbed wirestud tied with G.I. Staples &amp; GI clips to retain its horizontality, all complete as per direction of Engineer-in-Charge.</p> <p><b>Note: 1. Concertina coil, RBT wire/Barbed wire, GI staple &amp; GI clip shall be supplied free of cost by BHEL.</b></p> <p><b>2. The cost is inclusive of fixing of concertina coil, all labour, tools &amp; tackles etc.</b></p>	90.00	metre	0.8208
2	<p>Supply and Fixing concertina coil fencing with punched tape of minimum 0.5mm thickness and 14 mm width having GI spring core wire dia minimum 2.5 mm and 50-52 spiral turn per 6 metre(m) off coil ( openable length of coil without disturbing dia of 750 mm is 10 metre.) with all accessories such as jock pin,GI wire and GI hardware clip for fixing of RBT/barbed wire having galvanised coating as minimum 150 GSM for all members, on wall having an approximate height upto 3.0 to 4.0 metre as per site condition at existing 'Y' shaped angles placed at 2.40 metre to 3.00 metre apart and with horizontal lines of R.B.T. (Reinforced barbed tape)/barbed wirestud tied with G.I. Staples &amp; GI clips to retain its horizontality, all complete as per direction of Engineer-in-Charge.</p> <p><b>Note: 1. RBT wire/Barbed wire, GI staple &amp; GI clip shall be supplied free of cost by BHEL.</b></p> <p><b>2. The cost is inclusive of supply &amp; fixing of concertina coil, all labour, tools &amp; tackles etc.</b></p>	90.00	metre	5.0891

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

Name of work:- Repair &amp; Maintenance work of boundary wall inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
3	Supply and stacking of Portland Pozzolana Cement (PPC) of make ACC, UltraTech, Mycem, Ambuja, JK Cement, Wonder Cement or Shree Cement at site conforming to IS 1489: 1991 Re-affirmed 2005 Part 1 of Latest Revision, packed in non-returnable bags of 50 Kg.	251.00	Quintal	28.1672
	<b>Note :-</b> (i) Manufacturing date of cement should not be older than one month from the date of supply. (ii) For each running Bills, Contractor shall submit Cement reconciliation statement with actual cement consumption & theoretical consumption as per CPWD, DSR. Wastage of cement @ 2% of Theoretical Consumption is permissible. (iii) In case the supplied cement is more than the consumed cement, balance quantity of cement shall be returned by Contractor to BHEL's Store before processing of final bill.			
	Total : Annexure II			34.08
	Total : Annexure I + Annexure II			100.00



**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**

**Price Schedule B**

Name of work:- Repair & Maintenance work of boundary wall inside factory area.

The following material free issue from BHEL stores.

- 1 Reinforcement Steel.
- 2 Structural steel

**Price Schedule C**

Name of work:- Repair & Maintenance work of boundary wall inside factory area.

- 1 Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel

Hire charges.

- |                                     |   |                           |
|-------------------------------------|---|---------------------------|
| i) Drill machine @ 252.00/- per day | } | (Subject to availability) |
| ii) Jack Hammer @108.00/- per day   |   |                           |

Drill machine/jack hammer rod Rs. 100.00 per rod