

# TENDER

**TENDER NOTIFICATION NO. - FCX/20211034**

FOR

**Repair and maintenance in IFX and ASC area  
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 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 and maintenance in IFX and ASC area inside factory area.**

	Details ANNEXURE	Total Amount (in Rs.) (To be quoted by bidder here)
	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 & Annexure-III 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.

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

Name of work : Repair and maintenance in IFX and ASC area inside factory area.

Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of materials by mechanical transport including loading,unloading and stacking up to 1 km lead:			
	1.1.1	Lime, moorum, building rubbish 1 km lead	20.00	cum	0.4352
	1.1.2	Earth - 1 Km lead	10.00	cum	0.2720
2		Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :			
	2.1.1	All kinds of soil.	45.00	sqm	0.5597
3		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 kind of soil	10.00	cum	0.4297
4	**	Providing and laying in position cement concrete of specified grade excluding the cost of centering, shuttering- All work up to plinth level: <b>.(excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size ).	8.00	cum	6.6466
5	**	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.. <b>(excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	5.1.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	25.00	cum	22.7211

Seal and Signature of Bidder

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Seal and Signature of BHEL Authority

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Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
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	1.2772
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.	1000.00	Kg	2.4312
8	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 &amp; primer will be issued free of cost from BHEL stores).</b>	1000.00	Kg	4.2875
9		Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1:4 (1 cement : 4 coarse sand): <b>(Excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	11.26.1	25 mm thick.-	43.00	sqm	11.8113
10		Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1 : 3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. <b>(Excluding cost of cement which shall be supplied free of cost by BHEL)</b>	8.00	sqm	2.2482
	11.27				
11	**	12 mm cement plaster of mix: <b>.(excluding cost of cement which shall be supplied free of cost by BHEL)</b>			

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Name of work : Repair and maintenance in IFX and ASC area inside factory area.

Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	10.00	sqm	0.3259
12	**	20 mm cement plaster of mix: <b>.(Excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	13.6.2	1 : 6 (1 cement : 6 coarse sand).	10.00	sqm	0.4452
13	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 old work.	100.00	sqm	1.1647
14	Ana.	Painting with aluminium paint of approved brand and manufacture to give an even shade: <b>(Paint free issue from BHEL store)</b>			
	13.63.1	Two or more coats on old work.	50.00	sqm	0.5930
15		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 the cost of cement)</b>			
	14.1.2	With cement mortar 1 : 4 (1 cement : 4 coarse	20.00	sqm	1.0234
16		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.	14.00	cum	2.6062
17	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. ( Note: Dismantling of gutter shall also be paid under this item)	200.00	Kg	0.0690

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Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
18	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	411.00	sqm	9.9519
19		Dismantling roofing including ridges, hips valleys and gutters, etc., and stacking the material within 50 metres lead of:			
	15.28.2	Asbestos sheet	50.00	Sqm	0.3548
20	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.	51.00	cum	16.4032
21		Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50metres lead:			
	15.23.1	For thickness of tiles 10 mm to 25 mm.	51.00	sqm	0.3401
<b>Total : Annexure I</b>					<b>86.3971</b>

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

Name of work : Repair and maintenance in IFX and ASC area 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 foundation and plinth in cement mortar 1:6 (1 cement : 6 coarse sand) <b>:(Excluding the cost of cement)</b>	2.00	cum	2.1409
2	Fastening mechanical Anchoring in RCC member including drilling holes of required dia & depth using hammer drill etc complete. To arrest dust & dirt generated during drilling operation, vaccum dust collector should be deployed in area of operation or the area of operation should be cordoned-off by making temporary enclosure for which enclosure material shall be supplied by BHEL free of cost. The rate should be inclusive of all , labour, tools & tackles etc. complete unless specified otherwise. <b>(Mechanical anchor shall be supplied by BHEL free of cost )</b>			
	Size 15 mm to 25 mm	20.00	No	0.5421
3	40 mm thick fine dressed stone flooring over 20 mm (average) thick base cement mortar 1:5 (1 cement : 5 coarse sand) with joints finished flush. <b>(Excluding cost of cement and sand stone which shall be supplied free of cost by BHEL)</b>			
	Red sand stone.	303.00	sqm	10.9196
	<b>Total : Annexure II</b>			13.6026
	<b>Total : Annexure I + Annexure II</b>			100.00



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

Name of work : Repair and maintenance in IFX and ASC area inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Aluminium Paint and syntheic enamel paint
- 3 Structural steel
- 4 Reinforcement steel
- 5 Mechanical Anchor (Ann-II, Item no 2)
- 6 Sand Stone (Ann-II, Item no 3)

**Price Schedule C**

Name of work : Repair and maintenance in IFX and ASC area 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