

# TENDER

**TENDER NOTIFICATION NO. - FCX/20211044**

FOR

**Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location inside factory area.**



**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: Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location 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.

TENDER NOTIFICATION NO. - FCX/20211044  
**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**  
**Price Schedule A : Anneuxre - I**

Name of work : Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location 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	5.00	cum	0.0747
	1.1.11	Steel	2.00	tonne	0.0266
2	**	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> )			
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ).	1.50	cum	0.8715
3	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> )	1200.00	kg	3.464
4	**	12 mm cement plaster of mix:( <b>Cement free issue by the Deptt.</b> )			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	50.00	sqm	1.1185
5	**	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of :			
	15.28.2	Asbestos sheet	580.00	sqm	2.8253
6		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.	0.50	cum	0.0638
7		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.			
	15.19		200.00	kg	0.0474
		<b>Total : Annexure I</b>			<b>8.4918</b>

TENDER NOTIFICATION NO. - FCX/20211044  
**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**  
**Price Schedule A : Anneuxre - II**

Name of work : Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Supply and installation of coated galvalume steel sheet having maximum of pitch of 205 mm c/c and minimum 28 mm crest depth in length for roofing / side cladding as per site requirement. The supplied material is to be manufactured out of 0.50 mm TCT (Total coated thickness) and 550 MPA tensile strength, with zinc aluminium alloy of AZ-150 (As per AS-1397:1993 or relevant indian standard or american standard). The sheet shall have a hot dip metallic zinc aluminium alloy coating of zinc (43%), silicon (1.5%) and aluminium (55%) with total mass coating of 150 gms/sqm considering both sides together , self drilling/self tapping screws with EPDM seal fixed to the existing MS purlins/MS runners complete as per drawing and as directed by engineer-in-charge.	580.00	sqm	60.1307
2	Supply & fixing of flashings, ridges, cappings, corner pieces etc. made of 0.5mm TCT (total coated metal thickness) plain galvalume steel sheet in required shape & size & fixed with stitching screw complete.	150.00	mtr	9.164
	<b>Note- The total length of flashing/ ridges may be up to 600 mm.</b>			
3	Providing and fixing 2 mm thick homogeneous antistat polyvinyl chloride sheet in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesive of approved quality and manufacture like Dunlop S-758/Fevicol S.R.998 including rolling with light wooden roller weighing about 5 kg. all complete as directed by Engineer-in-charge in approved colour and shade.	30.00	sqm	4.1719
4	Dismantling of existing turboventilators from the roof of TGM and re-fixing it after cutting the asbestos sheet in required size below the turboventilator to make it effective. To avoid breakage of turboventilators , adjacent sheets may also be required to be removed /loosened and then fixed accordingly. During dismantling, if adjacent Galvalume sheet gets broken, it shall required to be fixed with new galvalume sheet which shall be paid to the contractor under respective items of the schedule. The contractor shall ensure that the entire area worked upon, after completion, shall remain water tight and should have no leakage points.	50.00	each	18.0416
	<b>Total : Annexure II</b>			<b>91.5082</b>
	<b>Total : Annexure I + Annexure II</b>			<b>100.0000</b>

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

Name of work:- Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Structural Steel
- 3 Synthetic Enamel Paint
- 4 Red Oxide Primer

**Price Schedule C**

Name of work:- Closing the openings at CNC hall roof, dismantling & re-fixing of turboventilators & replacement of sheet at tool store of TGM block and at other location inside factory area.

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

Hire charges.

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|-------------------------------------|-----------------------------|
| 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