

TENDER

TENDER NOTIFICATION NO. - **FCX/21221020**

FOR

Improvement of storage facility of IMM store 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 consisting 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 & 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 : Improvement of storage facility of IMM store inside factory area.

SUMMARY

	Details ANNEXURE	Total Amount (Rs.)
	Total price of the package consisting 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 consisting 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 : Improvement of storage facility of IMM store inside factory area.

Sr. No.	DSR-12 Items	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 -1 Km lead			
	1.1.1	Lime,Moorum, building rubbish	1.00	cum	0.0218
2	**	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. (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).	2.00	cum	1.7759
3		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	5.00	sqm	0.2501
		(Note :- The contractor is supposed to bring shuttering materials for the work. If due to any urgency ,BHEL shuttering materials are used , deduction @ 50 % of schedule rate of this item.)			
4	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)	110.00	kg.	0.2681
5	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. (Structural steel & primer will be issued free of cost from BHEL store)	3000.00	kg	12.8935

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

Name of work : Improvement of storage facility of IMM store inside factory area.

Sr. No.	DSR-12 Items	Item Description	Qty.	Unit	% Weightage of item amount against total amount
6	**	12 mm cement plaster of mix:(Cement free issue by the Deptt.)			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	60.00	sqm	1.9602
7	**	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
	13.61.1	Two or more coats on new work	100.00	sqm	1.1668
8	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.	2.00	cum	0.6448
9		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	0.1866
10	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.	500.00	kg	0.1729
11		Dismantling roofing including ridges, hips valleys and gutters, etc., and stacking the material within 50 metres lead of:			
	15.28.2	Asbestos sheet	20.00	sqm	0.1423
		Total : Annexure I			19.4830

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - II

Name of work : Improvement of storage facility of IMM store 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.)	6.00	cum	13.2310
2	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 equivalent grade as per IS or ASTM). 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. Colour of the sheet shall be as per this instructions of engr-in-charge.	210.00	sqm	43.8954

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - II

Name of work : Improvement of storage facility of IMM store inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
3	Providing and fixing fire retardant and U.V. resistant profiled and solid transparent embossed polycarbonate sheet of minimum 3 mm thick with profile to match with that of adjacent galvalume sheets on roof with self drilling/self stitching fasteners with EPDM seal for transmission of light, fixing of the sheet to the existing support system underneath as per the standard practice complete and as directed by engineer-in-charge. The solid transparent polycarbonate sheet shall be free from scratches and other surface damage and it shall be UV treated and tested as per relevant ASTM or DIN or AS etc. as the case may be.	20.00	Sqm	9.5991
4	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.	22.00	Rm	2.4624

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - II

Name of work : Improvement of storage facility of IMM store inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
5	<p>Labour only for fixing in position factory manufactured profiled PUF insulated Galvalume panels, 40 mm thick of different sizes. The insulation sandwich in between the top and bottom sheets shall be polyurethane foam (PUF) of density 40 ± 5 Kg/m³ approximate having a thickness of 40 mm as per IS: 12436 -1988 or latest revision. The work shall include cutting of sheets to required sizes and fixing them in position with the help of stainless steel self tapping/ self drilling screws , including all safety measures, lead and lift, labour, tools and tackles and cost of screws, fittings & fixture etc complete as per the instructions of engineer-in-charge.</p> <p>Note:</p> <ol style="list-style-type: none"> Only PUF insulated sandwich panels shall be issued free of cost by BHEL. Sheeting work shall be done up to a maximum height of 8.00 m. 	100.00	sqm	11.3291
Total : Annexure II				80.5170
Total : Annexure I & Annexure II				100.0000

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work : Improvement of storage facility of IMM store inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Reinforcement steel
- 3 Red Oxide primer
- 4 Structural steel
- 5 Synthetic enamel paint
- 6 PUF insulated sandwich panels

Price Schedule C

Name of work : Improvement of storage facility of IMM store inside factory area.

- 1 Hire charges.
 - i) Drill machine @ 252.00/- per day
 - ii) Jack Hammer @108.00/- per day

} (Subject to availability)
- 2 Drill machine/jack hammer rod Rs. 100.00 per rod
- 3 Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel