

TENDER

TENDER NOTIFICATION NO. - FCX/23241006

FOR

**Renovation of the entrance of Press shop, block 1B and
other 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:- Renovation of the entrance of Press shop, block 1B and other area 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 & MAINTENANCE DIVISION**Price Schedule A : Anneuxre - I**

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Based on DSR' 2012	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 -			
(a)	1.1.1	Lime, Moorum, Building rubbish	4.00	cum	0.0903
(b)	1.1.2	Earth	4.00	cum	0.1129
2	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m; disposed earth to be levelled and neatly dressed.			
	2.6.1	All kind of soil	4.00	cum	0.1764
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5m	1.00	cum	0.0286
5		Providing and laying in position cement concrete of specified grade excluding the cost of centering, shuttering- All work up to plinth level: .(excluding cost of cement which shall be supplied free of cost by BHEL)			
(a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.00	cum	0.8784
(b)	4.1.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	1.00	cum	0.9078
6		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.. (excluding cost of cement which shall be supplied free of cost by BHEL)			

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

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	5.1.2	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	3.00	cum	2.7576
7		Centering and shuttering including strutting, propping etc. and removal of form for :			
(a)	5.9.1	a) Foundations, footings, bases of columns, etc. for mass concrete.	12.00	sqm	0.6362
(b)	5.9.2	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, etc.	2.00	sqm	0.1868
8		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level :(excluding cost of reinforcement which shall be supplied free of cost by BHEL)			
	Ana 5.22A.6	Thermo-Mechanically Treated bars.	150.00	KG	0.3784
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. (Excluding the cost of Structural steel which shall be issued free of cost from BHEL store)	2720.00	kg	11.8700
10	Ana	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers, etc. complete:			
	10.16.3	Electric resistance or induction butt welded tubes.	712.00	kg	22.7381

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

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
11	Ana. 12.8	Providing non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS : 14871) roofing up to any pitch and fixing with Polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. Plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting to size and shape wherever required. (Excluding the cost of sheets which shall be issued free of cost from BHEL store)	50.00	sqm	0.8924
12	Ana	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion			
		(i) Single socketed pipes:			
	12.41.2	(a) 110 mm dia.	60.00	metre	3.7506
13	Ana	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion:			
		Coupler			
(a)	12.42.1.2	110 mm	8.00	Each	0.3105
		Single tee with door.			
(b)	12.42.3.2	110x110x110 mm.	8.00	Each	0.7072
		Bend 87.5 degree			
(c)	12.42.5.2	110 mm bend.	8.00	Each	0.3723
		Shoe (Plain)			
(d)	12.42.6.2	110 mm Shoe.	8.00	Each	0.6726

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

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
14	Ana	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm ($\pm 0.05\%$) total coated thickness, Zink Coating 120gsm as per IS : 277 in 240mpa steel grade, 5-7 micron epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling /self tapping screws complete			
	12.51.6	Gutter.(600 mm over all girth).	20.00	metre	4.4826
15		12 mm cement plaster of mix: .(excluding cost of cement which shall be supplied free of cost by BHEL)			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	2.00	sqm	0.0676
16	Ana.	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	200.00	sqm	3.4230
17		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)	3.00	cum	0.6864
18	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	0.3338
19	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.	100.00	kg	0.0358

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Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
20	15.28	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	0.3682
21	15.43	Dismantling manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead:			
(a)	15.43.1	Water bound macadam road	5.00	sqm	0.1052
(b)	15.43.2	Bituminous road	5.00	sqm	0.2045
Total : Annexure I					57.1742

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

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Supply and installation of single skin crimp curved coated galvalume steel sheet having maximum pitch of 250 mm c/c and minimum 30 mm crest depth along length 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). 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 with both sides considered, self drilling/self tapping screws with EPDM seal fixed to the existing MS purlins/runner complete as per drawing and as directed by engineer-in-charge.	90.00	Sqm	28.2295
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). 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.	54.00	sqm	14.5961
	Total : Annexure II			42.8256
	Total : Annexure I + Annexure II			100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Reinforcement Steel.
- 3 Structural steel

Price Schedule C

Name of work:- Renovation of the entrance of Press shop, block 1B and other area inside factory area.

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

- 2 Hire charges.

- i) Drill machine @ 252.00/- per day
 - ii) Jack Hammer @108.00/- per day
 - iii) Drill machine/jack hammer rod Rs. 100.00 per rod
- } (Subject to availability)