

TENDER

TENDER NOTIFICATION NO. - FCX/20211039

FOR

Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 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 : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 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.

.....

.....

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/20211039
FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION
Price Schedule A : Anneuxre - I

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 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:			
	1.1.11	Steel	7.00	Tonne	0.0228
2	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. (Only Structural steel shall be provided by BHEL free of cost). Note: All structural fabrication and erection work shall be paid under Item no 2 of Annexure-I above except retrofitting work done on main columns which shall be paid under Item no. 4 of Annexure-II.	7000.00	Kg	5.0666
3		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	1400.00	sqm	3.8794
4		Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			
	14.54.1	One or more coats on old work.	9200.00	sqm	16.5077
5		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		7000.00	Kg	0.4058
6		Dismantling roofing including ridges, hips valleys and gutters, etc., and stacking the material within 50 metres lead of:			
	15.28.1	G.S. sheet/ Galvalume Sheet	100.00	sqm	0.2523
Total : Annexure I					26.1345

TENDER NOTIFICATION NO. - FCX/20211039
FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION
Price Schedule A : Anneuxre - I

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 inside factory area.

Note: 1. Painting of Structural steel Column & other structures shall be paid under Item no 4 & 5. The payment shall be made based on the area of actual painted Surface.

Note: 2. Neither Extra payment shall be made for painting of rivets/Bolts/Welds nor payment shall be deducted for the holes of rivets/Bolts etc.

Note: 3. No deduction shall be made for payment for unpainted surface of the over lapping area of structural members, if overlapping area is upto 0.5 sqm. However if overlapping area is more than 0.5 sqm, payment shall be made after deducting overlapping area of structural member.

TENDER NOTIFICATION NO. - FCX/20211039
FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION
Price Schedule A : Anneuxre - II

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Providing and fixing on wall face unplasticised- Rigid PVC rain water pipes conforming to IS : 4985/2000 class 2 including jointing with solvent cement to form permanent water tight joints.(Working pressure-4.0 kgf/sqcm) (i) Single socket (selfit) pipes:(Working pressure-4.0 kgf/sqcm)			
(a)	160 mm dia	50.00	metre	1.2046
(b)	200 mm dia	100.00	metre	2.7557
2	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 4985/2000 class 2 including jointing with solvent cement to form a permanent water tight joints.(Working pressure-4.0 kgf/sqcm)			
a	Coupler/Socket(Working pressure-4.0 kgf/sqcm) 200 mm	20.00	each	0.2664
b	Single Tee without Door (Working pressure-4.0 kgf/sqcm) 200x200x200mm	5.00	each	0.1721
c	Bend 87.5 degree(Working pressure-4.0 kgf/sqcm) 200mm Bend/Elbow	20.00	each	0.8455
	160 mm Bend/Elbow	10.00	each	0.1197
3	Supply and installation of coated galvalume steel sheet (Maximum height up to 13.0 m) 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.	100.00	Sqm	2.7799

TENDER NOTIFICATION NO. - FCX/20211039
FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION
Price Schedule A : Anneuxre - II

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
4	Strengthening/retrofitting of existing main column of block-3 by providing additional structural member by executing the following activities:			
(a)	Measuring the required length of structural steel member at site, Marking, cutting of required holes, edges to suit the position of the rivets on the existing column structure and welding the same structural member on column for retrofitting work including one coat of steel primer. The rate are inclusive of labour charges, all tools and tackles and consumables. (Only Structural steel shall be provided by BHEL free of cost). Note: The payment shall be made on the basis of running metre length for new angles/channels/tee welded on main column.	2600.00	metre	43.6377
(b)	Measuring the size of MS plate of required thickness at site, Marking, cutting of required holes, edges wherever necessary to suit the position of the rivets on the existing column structure and welding the same structural member on column for retrofitting work including one coat of steel primer. The rate are inclusive of labour charges, all tools and tackles and consumables. (Only Structural steel shall be provided by BHEL free of cost). The payment shall be made on the basis of Sqm for new plates welded on main column.	200.00	sqm	22.0839
Total : Annexure II				73.8655
Total : Annexure I + Annexure II				100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION
Price Schedule B

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 inside factory area.

The following material free issue from BHEL stores.

- 1 Structural steel

Price Schedule C

Name of work : Retrofitting/Strengthening of Structures and associated work for enhancement of crane capacity in block-3 inside factory area.

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