

TENDER

TENDER NOTIFICATION NO. - **FCX/19201060**

FOR

**Structural steel repair/renovation/ modification work
inside factory premises.**

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:

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 : Structural steel repair/renovation/ modification work inside factory premises.

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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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.

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - I

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1		Carriage of materials by mechanical transport including loading, unloading and stacking -			
	1.1.11	Steel 1 km. lead	2.00	tonne	0.0250
2	Ana. 10.1	Structural steel work in single section fixed without connecting plate 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 stores).	5000.00	Kg	8.4474
		(Note:- The fabrication and erection of structural steel work upto a height of 8.0 metres shall be paid under this item.)			
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. (Structural steel & primer will be issued free of cost from BHEL stores).	26000.00	Kg	72.1056
		(Note:- The fabrication and erection of structural steel work upto a height of 8.0 metres shall be paid under this item.)			
4	Ana 13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. (Paint free issue from BHEL store.)			
		Two or more coats on new work.	320.00	sqm	2.4107
5	Ana 13.63.1	Painting with aluminium paint of approved brand and manufacture to give an even shade: (Excluding cost of Aluminium paint and putty which shall be issued free of cost from BHEL store).			
		Two or more coats on new work	200.00	sqm	1.5343
6	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.	11000.00	Kg	2.4545

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - I

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7		Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of :			
(a)	15.28.1	G.S. sheet	160.00	sqm	1.5539
(b)	15.28.2	Asbestos sheet	160.00	sqm	0.7344
8	15.41	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	16.00	sqm	0.0539
9	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	32.00	sqm	0.1081
		Total :			89.4278

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - II

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Erection of structural steel works at all heights consisting of, railing, clamps, purlins with channels & angles, M.S. flat, M.S. tubes, supports including all connections as per detailed drawings connected steel works etc. cleats, gusset plates all bolts, nuts, washers ,base plates, anchor bolts etc., as per detailed drawings cutting welding and painting 1 coats of red oxide primer before erection & 2 coats of synthetic enamel paint/Aluminium paint of approved brand & colour after erection complete. Advani make electrodes or other approved make electrodes are to be used. All bolts, nuts, washers, gas, electrodes are in contractor's scope. Fabrication to be done as per I.S. codes of latest revision. Structural steel ,primer and paint shall be provided by BHEL free of cost.			
b)	Only erection.	1500.00	Kg	1.2081
2	Fixing corrugated / trapezoidal metal sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. Limpet washers or with G.I. Limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surface) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.(Excluding the cost of metal sheets, primer and painting which shall be issued free of cost from BHEL store.)			
	0.5 mm to 1.00 mm thick metal sheet	400.00	sqm	7.2943

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Annexure - II

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
3	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. (Mechanical anchor shall be supplied by BHEL free of cost)			
	Size 15 mm to 25 mm	50.00	No	1.0412
4	Extra for 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 for every additional height of one meter or part thereof beyond 8.0 metres. (Structural steel & primer will be issued free of cost from BHEL stores).	22000.00	Kg per metre height	1.0286
	Total :			10.5722
	Total = Annexure-I + Annexure-II			100.0000

Note:

- 1 In the event of modification carried out in existing structural steel frame member/ component / cabin/assembly etc. , fabrication shall be paid only for the weight of that particular structural member(s) added to the assigned frame member/ component / cabin/assembly etc.

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

- 1 Structural steel
- 2 Primer
- 3 Synthetic Enamel Paint
- 4 Aluminium paint
- 5 G.S. sheet
- 6 Mechanical fastener

free Issue
from BHEL
Stores

Price Schedule C

Name of work : Structural steel repair/renovation/ modification work inside factory premises.

- 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 shall be recovered from the contractor @ Rs.66.00/- per M.T. of fabrication of structural steel

} (Subject to availability)