

TENDER

TENDER NOTIFICATION NO. - FCX/22231031

FOR

**Name of Work: Renovation and Modification of CIT
building and other areas 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 One 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 & 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 and Modification of CIT building and other areas 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 : Anneuxre - I**

Name of Work: Renovation and Modification of CIT building and other areas 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 - 1 Km lead			
	1.1.1	a) Lime, Moorum, building rubbish	5.00	cum	0.1023
	1.1.11	d) Steel	1.00	Tonne	0.0182
	1.1.2	Earth	5.00	cum	0.1279
2		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 kinds of soil.	5.00	cum	0.1998
3	**	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: (Cement free issue by the Deptt.)			
a)	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	5.00	cum	3.9795
b)	4.1.8	(b) 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	5.00	cum	3.9059
4	**	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	a) 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	10.00	cum	8.3289
	5.1.3	b) 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	10.00	cum	8.5454
5		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	50.00	sqm	2.4018
6	na. 5.22A	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).			
		b) Thermo-Mechanically Treated bars.(TMT bars)	200.00	kg.	0.4572

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7	10.1 Ana	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Excluding cost of structural steel but including cost of steel primer) (structural steel shall be supplied free of cost by BHEL).	300.00	kg	0.7368
8	10.2 Ana	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 cost of structural steel but including cost of steel primer) (structural steel shall be supplied free of cost by BHEL)	1500.00	kg	6.0702
9	**	12 mm cement plaster of mix:(Cement free issue by the Deptt.)			
	13.4.2	1 : 6 (1 cement : 6 coarse sand) .	100.00	sqm	3.0645
10	**	15 mm cement plaster on the rough side of single or half brick wall of mix: (Cement free issue by the Deptt.)			
	13.5.2	1 : 6 (1 cement : 6 coarse sand).	100.00	sqm	3.5325
11		Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-			
	15.2.1	a) 1:3:6 or richer mix.	10.00	cum	2.0730
	15.2.2	b) 1:4:8 or leaner mix.	5.00	cum	0.6389
12	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.	10.00	cum	3.0241
13		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.	5.00	cum	0.8752
14		Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:			
	15.17.2	Channels, angles, tees and flats	100.00	kg	0.0201
15	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	0.0324
16		Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:			
	13.43.1	Water thinnable cement primer.	100.00	sqm	0.7596

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
17	14.46	Removing dry or oil bound distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches, etc. complete.	800.00	sqm	1.8535
18		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.	20.00	sqm	0.2008
19		Distemping with 1st quality acrylic washable distemper (ready made) of approved manufacturer, of required shade and color complete as per Manufacturer's specification.			
	13.42.1	Two or more coats on new work	800.00	sqm	8.8597
20		Finishing walls with Premium Acrylic Smooth exterior paint with Silicon additive of required shade :			
(a)	14.67.1*	Old work (Two or more coat applied @ 1.43 ltr/10sqm) over existing cement paint surface.	100.00	sqm	1.6737
(b)	14.67.2	Old work (One or more coat applied @ 0.83 ltr/10sqm).	100.00	sqm	1.1013
21		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately).			
		For fixed portion.			
	21.1.1.2	Powder coated Aluminium (minimum thickness of powder coating 50 micron).	80.00	kg	7.8823
22		For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required			
	21.1.2.2	Powder coated Aluminium (minimum thickness of powder coating 50 micron).	70.00	kg	7.8626

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Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
23		Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS:12823 , grade I type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass/stainless steel screws, etc. complete as per architectural drawings and directions of Engineer-in-charge:			
	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	20.00	sqm	4.9692
24	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	8.00	each	2.0660
25		Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with nuts and screws, etc., complete.			
	9.96.2	250 x 16 mm.	15.00	each	0.6758
26		Providing and fixing aluminium tower bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws, etc. complete:			
	9.97.4	150x10 mm.	20.00	each	0.3117
27		Providing of aluminium round shape handle of outer dia 100mm with SS screws etc.complete as per direction of Engineer-in-charge.			
	21.16.2	Powder coated minimum thickness 50 micron aluminium	20.00	each	0.3515
28		Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):			
	21.3.1	With float glass panes of 4.0 mm thickness	15.00	Sqm	2.9554
		Total : Annexure I			89.6577

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

Name of Work: Renovation and Modification of CIT building and other areas 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.)	5.00	cum	10.3422
	Total : Annexure II			10.3422
	Total : Annexure I + Annexure II			100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : B

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The following material free issue from BHEL stores.

- 1 Cement
- 2 Reinforcement steel
- 3 Structural steel

Price Schedule : C

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|---|---|---------------------------|
| <ol style="list-style-type: none">1 Hire charges.<ol style="list-style-type: none">i) Drill machine @ 252.00/- per dayii) Jack Hammer @108.00/- per day2 Drill machine/jack hammer rod Rs. 100.00 per rod3 Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel | } | (Subject to availability) |
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