

TENDER

TENDER NOTIFICATION NO. - **FCX/19201042**

FOR

**Modification of shed for transformer at south of 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:

Total price of the package combining 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

TENDER NOTIFICATION NO. - FCX/19201042

Price Schedule

Name of work : Modification of shed for transformer at south of block 3 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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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 A : Anneuxre - I

Name of work :Modification of shed for transformer at south of block 3 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 -			
	1.1.2	a) Earth	75.00	cum	1.9164
	1.1.1	b) Lime ,moorum, building rubbish 1 km lead	10.00	cum	0.2044
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 kinds of soil.	75.00	cum	2.9945
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.)			
	4.1.6	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	11.00	cum	8.6016
4	**	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.(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).	12.00	cum	9.9866
5	Ana. 5.22.6	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).			
	5.22A.6	Thermo-Mechanically Treated bars.	600.00	Kg	1.3705
6		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1	a) Foundations, footings, bases of columns, etc. for mass concrete.	20.00	sqm	0.9600
	5.9.2	b) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses, etc.	60.00	sqm	5.0736
7	**	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) .	40.00	sqm	1.2248

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - I

Name of work :Modification of shed for transformer at south of block 3 inside factory area.					
Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
8		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	0.1749
9		Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge:			
	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	2.00	cum	0.2554
10	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.	4.00	cum	1.2087
11	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.	1000	kg	0.3241
12		Dismantling 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.			
	15.43.1	a) Water bound macadam road	90.00	sqm	1.7140
	15.43.2	b) Bituminous road	90.00	sqm	3.3322
13	Ana. 10.2	Structural steel work in built up sections, trusses and framed work i/c cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. In tees, R.S. joists, angles, flats, channels and Rail (Structural steel, primer & rail free issue from BHEL stores).	3000.00	Kg	12.0843
14	Ana.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:(paint free issue from BHEL store)			
	13.61.1	Two or more coats on new work.	60.00	sqm	0.6565
Total :					52.0825

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - II

Name of work :Modification of shed for transformer at south of block 3 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.)	12.00	cum	14.3901
2	Supplying and filling in plinth with stone dust under floors, including watering, ramming, consolidating and dressing complete.	9.00	cum	1.8392
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.	212.00	Sqm	31.6882
Total :				47.9175
Total = Annexure-I + Annexure-II				100.0000

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work :Modification of shed for transformer at south of block 3 inside factory area.

The following material free issue from BHEL stores.

- 1 Structural steel
- 2 Red oxide zinc chromate primer
- 3 Synthetic enamel paint
- 4 Cement
- 5 Reinforcement steel

Price Schedule C

Name of work :Modification of shed for transformer at south of block 3 inside factory area.

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

Hire charges.

- i) Drill machine @ 252.00/- per day
- ii) Jack Hammer @ 108.00/- per day



(Subject to availability)

Drill machine/jack hammer rod Rs. 100.00 per rod