

TENDER

TENDER NOTIFICATION NO. - FCX/20211030

FOR

**Closing of Gate no 03 (Jubilee Gate) with boundary wall
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 : Closing of Gate no 03 (Jubilee Gate) with boundary wall 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.

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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 & 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.

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

Name of work : Closing of Gate no 03 (Jubilee Gate) with boundary wall 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 --- 1 Km lead			
a)	1.1.1	Lime, Moorum, building rubbish	5.00	cum	0.2195
b)	1.1.2	Earth	3.00	cum	0.1646
2		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.			
	2.8.1	All kinds of soil.	11.00	cum	0.9537
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	8.00	cum	0.4444
4	**	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).	1.00	cum	1.7078
b)	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	1.6762
5	**	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.)			
	5.1.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	4.00	cum	7.3345
6	**	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts, etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : (cement free issue from BHEL store)			
	5.2.3	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.00	cum	2.2585

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Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7	** 5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size). (Cement free issue by BHEL)	2.00	cum	4.7155
8		Centering and shuttering including strutting, propping, etc. and removal of form for:			
	5.9.1 ana*	a) Foundations, footings, bases of columns, etc. for mass concrete. (Excluding the cost of material which shall be issued free of cost by BHEL)	8.00	sqm	0.4725
	5.9.5	b) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	88.00	sqm	14.6587
	5.9.6	c) Columns, pillars, piers, abutments, posts and struts.	12.00	sqm	2.7800
9	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). Thermo-Mechanically Treated bars.	400.00	Kg	1.9621
10	5.30	Add for plaster drip course/groove in plastered surface or moulding to R.C.C. projections.	30.00	metre	0.4425
11	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 and primer will be supplied free of cost from BHEL store).	1222.00	kg	10.5707
12	** 13.4.2	12 mm cement plaster of mix: (Cement free issue by the Deptt.) 1 : 6 (1 cement : 6 coarse sand) .	60.00	sqm	3.9453
13	** 13.5.2	15 mm cement plaster on the rough side of single or half brick wall of mix: (Cement free issue by the Deptt.) 1 : 6 (1 cement : 6 coarse sand).	60.00	sqm	4.5479
14		Colour washing such as green blue or buff to give an even shade:			
	13.39.1	New work (two or more coats) with a base coat of white washing with lime.	20.00	sqm	0.2141
15		Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:			
	13.43.1	Water thinnable cement primer.	60.00	sqm	0.9780

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Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
16	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.	50.00	sqm	1.1749
17		Finishing walls with Premium Acrylic Smooth exterior paint with Silicon additive of required shade :			
	14.67.1*	Old work (Two or more coat applied @ 1.43 ltr/10sqm) over existing cement paint surface.	200.00	sqm	7.1854
18		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 design mix)	1.00	cum	0.4448
19	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	0.6489
20		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	0.3756
21		Demolishing stone rubble masonry 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:			
	15.9.2	In cement mortar	1.00	cum	0.4481
22	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.			
			1745.00	kg	1.2145
23		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	Water bound macadam road	27.00	sqm	1.1043
	15.43.2	Bituminous road	27.00	sqm	2.1468

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Sr. No.	Based on DSR'12	Item Description	Qty.	Unit	% Weightage of item amount against total amount
24	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	20.00	sqm	0.1989
25		Fencing with angle iron post placed at required distance embedded in cement concrete blocks and every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only, provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire 9.38 kg per 100 metres (minimum) between the two posts fitted and fixed with G.I. staples etc. complete.(cost of posts, struts, earth work and concrete work to be paid for separately):Payment to be made per metre cost of total length of barbed wire used.(Excluding cost of barbed wire which shall be supplied free of cost by BHEL)			
	16.18.1	With G.I. Barbed wire.	120.00	metre	0.1551
26	16.20	Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately).			
			90.00	Sqm	1.2319
Total : Annexure I					76.3757

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Price Schedule A : Anneuxre - II

Name of work : Closing of Gate no 03 (Jubilee Gate) with boundary wall 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.)	9.80	cum	23.0628
2	Supplying and filling in plinth with stone dust under floors, including watering, ramming, consolidating and dressing complete.	1.00	cum	0.2875
3	Fixing concertina coil fencing with punched tape of minimum 0.5mm thickness and 14 mm width having GI spring core wire dia minimum 2.5 mm and 50-52 spiral turn per 6 metre(m) off coil (openable length of coil without disturbing dia of 750 mm is 10 metre.) with all accessories such as jock pin,GI wire and GI hardware clip for fixing of RBT/barbed wire having galvanised coating as minimum 150 GSM for all members, on wall having an approximate height upto 3.0 to 4.0 metre as per site condition at existing 'Y' shaped angles placed at 2.40 metre to 3.00 metre apart and with horizontal lines of R.B.T. (Reinforced barbed tape)/barbed wirestud tied with G.I. Staples & GI clips to retain its horizontality, all complete as per direction of Engineer-in-Charge. Note: 1. Concertina coil, RBT wire/Barbed wire, GI staple & GI clip shall be supplied free of cost by BHEL. 2. The cost is inclusive of fixing of concertina coil, all labour, tools & tackles etc.	15.00	metre	0.2740
Total : Annexure II				23.6243
Total : Annexure I + Annexure II				100.0000

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work : Closing of Gate no 03 (Jubilee Gate) with boundary wall inside factory area.

The following material free issue from BHEL stores.

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|---|----------------------|
| 1 | Reinforcement Steel. |
| 2 | Cement |
| 3 | Structural steel |
| 4 | Paint and primer |
| 5 | Barbed wire |

Price Schedule C

Name of work : Closing of Gate no 03 (Jubilee Gate) with boundary wall inside factory area.

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|---|-------------------------------------|---|
| 1 | Hire charges. | |
| | i) Drill machine @ 252.00/- per day | } (Subject to availability) |
| | 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 |