

# TENDER

TENDER NOTIFICATION NO. - **FCX/19201055**

FOR

**Repair of floors and tiles at Canteen no.1 & 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:

Total price of the package consisting of **Annexure I** 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** 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.

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**Price Schedule**

Name of work : Repair of floors and tiles at Canteen no.1 & other areas inside factory area.

**SUMMARY**

	Details ANNEXURE	Total Amount (Rs.) To be quoted by bidder
	Total price of the package consisting of Annexure-I	

Amount in words: Rs.

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Total price of the package consisting of Annexure-I 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** of Price Schedule.

## FACTORY CIVIL CONSTRUCTION &amp; MAINTENANCE DIVISION

## Price Schedule A : Anneuxre - I

Name of work : Repair of floors and tiles at Canteen no.1 &amp; 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			
	1.1.1	Lime, Moorum, Building rubbish	5.00	cum	0.0670
2		Providing and laying in position cement concrete of specified grade excluding the cost of centering, shuttering- All work up to plinth level: <b>(excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	4.1.3	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	27.00	cum	14.0773
3		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.	10.00	sqm	0.3147
4		Providing & Fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1 : 4 (1 cement : 4 coarse sand) joints treated with white with cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all level. <b>(Cement free issue from BHEL store)</b>			
	8.2	Granite of any colour and shade (The colour of granite shall be Zed black or Lakka Red)			
	8.2.2.2	Area of slab over 0.50 sqm	10.00	sqm	5.2800

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Name of work : Repair of floors and tiles at Canteen no.1 &amp; other areas inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
5	11.36	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete. <b>(excluding cost of cement which shall be supplied free of cost by BHEL)</b>	75.00	sqm	8.9396
6	11.38	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS :15622 of approved make in all colours, shades, except White, Ivory, Rey, Fume Red Brown laid on 20mm thick bed of Cement Mortar 1:4(1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete. <b>(excluding cost of cement which shall be supplied free of cost by BHEL)</b>	60.00	sqm	7.3757
7		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete. <b>(excluding cost of cement which shall be supplied free of cost by BHEL)</b>			
	11.41.2	Size of Tile 600x600 mm	224.00	sqm	50.1083

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Name of work : Repair of floors and tiles at Canteen no.1 &amp; other areas inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
8	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles. (Cement Free Issue)	224.00	sqm	-12.9849
9	11.43	Fixing glazed/ Ceramic/ Vitrified floor tiles with cement based high polymer modified quick-set tile adhesive (Water based) conforming to IS: 15477, in average 3mm thickness.	224.00	sqm	14.6213
10		Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.(excluding cost of cement and vitrified tiles which shall be supplied free of cost by BHEL)			
	Ann 11.41.2	Size of Tile 600x600 mm	72.00	sqm	3.4037
11		Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade(0.10 kg of hardener and 0.20 kg of resin per kg), including filling/grouting and finishing complete as per direction of Engineer-in-charge.			
	11.48.2	Size of Tile 600x600 mm	224.00	sqm	7.4387
12	11.50	Deduct for not grouting the joints with white cement and matching pigment in the items of fixing of vitrified tiles	224.00	sqm	-0.3241

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## Price Schedule A : Annexure - I

Name of work : Repair of floors and tiles at Canteen no.1 & other areas inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
13		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) .	50.00	sqm	1.0037
14		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)	5.00	cum	0.6790
		Total Annexure-I =			100.0000

**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**

**Price Schedule B**

Name of work : Repair of floors and tiles at Canteen no.1 & other areas inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Vitrified tiles for item no 10

**Price Schedule C**

Name of work : Repair of floors and tiles at Canteen no.1 & other areas 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