

TENDER

TENDER NOTIFICATION NO. - FCX/22231065

FOR

**Name of work : Name of work: Repairing of sheets/
gutters/ rain water pipes and accessories etc. of
manufacturing blocks/process plants and sheds 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: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds 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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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** 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: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds inside factory area.

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 -			
a)	1.1.1	Lime ,moorum, building rubbish-1 km	12.50	cum	0.2454
b)	1.1.11	Steel 1 km. lead	1.00	tonne	0.0174
c)	Ana.	Sheets of any type up to 1 km lead	10.00	tonne	0.2654
d)	1.1.17.1	AC pipes 100mm up to 1 km lead	45.00	metre	0.0193
e)	1.1.17.3	AC pipes 150mm up to 1 km lead	90.00	metre	0.0644
2	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.	1000.00	kg	0.3112
3		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	100.00	sqm	1.3546
b)	15.28.2	Asbestos sheet	900.00	sqm	5.7622
4		Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :			
a)	15.42.2	100 mm dia pipe.	50.00	metre.	0.3186
b)	15.42.3	150 mm dia pipe.	200.00	metre.	1.3131
5	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.(Excluding cost of Structural steel which shall be issued free of cost from BHEL stores).	750.00	Kg	2.9011
6	Ana 13.63.1	Painting with aluminium paint of approved brand and manufacture to give an even shade:			
		Two or more coats on new work	50.00	sqm	0.6739
7	Ana.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:			

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

Name of work: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
	13.61.1	Two or more coats on new work.	50.00	sqm	0.744
		Total : Annexure I			13.9907

Note:- Dismantling of GI/PVC rain water down take pipes and fittings shall also be paid under item no. 4 of Annexure I.

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

Name of work: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Providing and fixing on wall face unplasticised- Rigid PVC rain water pipes conforming to IS : 4985/2000 class 2 including jointing with solvent cement to form a permanent water tight joints.(Working pressure-4.0 kgf/sqcm)			
	(i) Single socket (selfit) pipes:(Working pressure-4.0 kgf/sqcm)			
	160 mm dia.	100.00	metre	21.174
2	Providing and fixing on wall face unplasticised-PVC moulded fittings/accessories for unplasticised - Rigid PVC rain water pipes conforming to IS : 4985/2000 class 2 including jointing with solvent cement to form a permanent water tight joints.(Working pressure-4.0 kgf/sqcm)			
	1.Coupler(Working pressure-4.0 kgf/sqcm)			
	a)160mm	12.00	each	0.9473
	4.Single Tee without Door(Working pressure-4.0 kgf/sqcm)			
	a)160x160x160mm	12.00	each	1.2609
	5.Bend 87.5 degree(Working pressure-4.0 kgf/sqcm)			
	a)160mm Bend/Elbow	12.00	each	1.2609
3	Fixing non-asbestos high impact Polypropylene reinforced cement 6 mm thick/ Asbestos cement corrugated sheets (as per IS : 14871) roofing up to any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. Plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses corrugated sheets and including cutting to size and shape wherever required(Including the cost of fixtures but excluding the cost of sheets which shall be supplied free of cost from BHEL store).	1000.00	sqm	12.7782
4	Replacement of MS/galvanised gutter at various heights in fy. Blocks and sheds including fixing of nuts, bolts , washers and making cut out for rain water pipe etc. (Note: Only Gutter shall be provided by BHEL.)	125.00	sqm	6.8719

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Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
5	Labour only for laying of self adhesive waterproofing membrane consisting of self adhesive SBS (Styrene Butadiene Styrene) modified / bitumen compound covered on the top side with high density cross – laminated polyethylene film and on the underside with an easy – to- peel silicon film on the existing roof of fy.buildings/stores/sheds/ manufacturing blocks at any height upto a maximum of 35.0 M after neatly cleaning the surface and making it dry and applying primer.It is to be used for arresting any type of water leakages. Self adhesive water proofing membrane and it s primer shall be issued free of cost from BHEL stores. Rate is inclusive of necessary tools and plants required for the above treatment and labour charges etc. complete.	50.00	sqm	1.0995
6	Making leak proof from leakage of 100mm to 200mm dia CI/ G.I./A.C./P.V.C rain water down comer pipes and specials at various heights in Fy. Blocks and sheds including cleaning old surface and applying new layers of bitumen compound/ self adhesive SBS (Styrene Butadiene Styrene) modified to stop the leakage.(Bitumen compound/ SBS (Styrene Butadiene Styrene) modified to be issued by the department free of cost).	400.00	Joint	4.4485
7	Fixing of north light curve , flashings, ridges etc. in the required shape and size with self tapping screw , EPDM washers etc. complete. (Note: North light curve ,ridges, flashings etc. of galvalume shall be provided by BHEL free of cost but cost of screw, nuts and bolts are in the scope of contractor).	350.00	metre	8.6615
8	Cleaning accumulated dirt/ dust/ rubbish including vegetation / any other obstruction from Valley gutter of factory Blocks and sheds so as to make it obstruction free to prevent spill over / overflow of water from the gutters and stacking it due to dirt, dust and rubbish etc. including collecting / lowering of waste material near the respective block / shop floor/ shed .	18000.00	metre	24.7561
9	Making leak proof of minor holes of all types of sheets, hooks, cracked surfaces, gutters etc. by using cold applied tar of plastic compound. Tar plastic compound shall be issued by the department free of cost. Payment shall be done on surface area measurement basis.			
	Note:- if single hole is required to be repaired, it will be measured as one sqm, irrespective of hole size. However if multiple holes are repaired, they will be paid one sqm, if holes fall within the square of 1mx1m.	200.00	metre	2.7507
	Total : Annexure II			86.0095
	Total : Annexure I + Annexure II			100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : B

Name of work: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds inside factory area.

The following material free issue from BHEL stores.

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|---|---|---|
| 1 | AC sheets, polycarbonate sheets | } |
| 2 | Bitumen compound | |
| 3 | Structural steel | |
| 4 | Galvalume Ridges/ flashings / NL curve | |
| 5 | Self adhesive SBS (Styrene Butadiene Styrene) modified / bitumen compound | |
| 6 | Cold applied TAR of plastic compound | |

Price Schedule : C

Name of work: Repairing of sheets/ gutters/ rain water pipes and accessories etc. of manufacturing blocks/process plants and sheds inside factory area.

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| 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 at Rs.66.00/- per M.T. of fabrication of structural steel | |