

TENDER

TENDER NOTIFICATION NO. - **FCX/21221022**

FOR

Repairing of aluminium partitions, doors, windows and ceilings
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 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 & 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 aluminium partitions, doors, windows and ceilings 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 A : Anneuxre - I

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	DSR-12 Items	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	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.	5.00	each	1.3259
2		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.	20.00	each	0.9253
3		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.	25.00	each	0.4000
4		Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade, with necessary screws,			
	9.101.1	Single rubber stopper.	20.00	each	0.1550
	9.101.2	Twin rubber stopper.	20.00	each	0.3858
5	9.113	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door with necessary screws etc complete as per direction of Engineer - in - charge.	8.00	each	0.9002
6	14.12	Fixing 16 mm M.S. Fan clamps of standard shape and size in existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	30.00	each	1.7661
7	15.57	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 metres lead as directed by Engineer-in-charge.	50.00	sqm	0.2522

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

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	DSR-12 Items	Item Description	Qty.	Unit	% Weightage of item amount against total amount
8		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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :			
	21.1.1	For fixed portion.			
(a)	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	310.00	kg	31.3612
		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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)			
(b)	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	100.00	kg	11.5327
9		Providing and fixing 12 mm thick pre-laminated particle board flate pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II in panelling fixed 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.			
	21.2.2	Pre-laminated particle board with decorative lamination on both sides.	120.00	sqm	29.9052

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

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	DSR-12 Items	Item Description	Qty.	Unit	% Weightage of item amount against total amount
10		Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.			
	21.4.1	With stainless steel cover plate minimum 1.25 mm thickness.	10.00	each	5.0034
11	21.6	Providing and fixing 6 mm dia. G.I. level adjusting hangers (upto 1200mm length), fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40x3mm size 60 mm long and stainless steel expandable dash fastener of 12.5 mm dia and 50 mm long, complete as per direction of Engineer -in-charge.	200.00	each	5.4968
12		Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.			
	21.8.1	Upto 5mm depth and 5 mm width	20.00	metre	0.4428
13		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	5.00	each	0.0902
Total : Annexure I					89.9428

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

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	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. (Excluding the cost of hydraulic door closer)	50.00	each	0.3002
2	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. (Excluding the cost of sliding door bolts) 250 x 16 mm.	50.00	each	0.1743
3	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:150x10mm. (Excluding the cost of tower bolt)	25.00	each	0.0571
4	Fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade, with necessary screws, etc. complete.			
a	Single rubber stopper. (Excluding the cost of door stopper)	20.00	each	0.0115
b	Twin rubber stopper. (Excluding the cost of door stopper)	20.00	each	0.0115
5	Fixing bright finished 100mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door with necessary screws etc complete as per direction of Engineer - in - charge. (Excluding the cost of mortice lock)	30.00	each	0.2276

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

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
6	Fixing tiled False ceiling of approved materials of size 595x595 mm in true horizontal level suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanised @ 120 gsm/sqm. both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38mm made from 0.30mm thick (minimum) sheet spaced at 1200mm centre to centre and cross "T" of size 24x25mm made from 0.30mm thick (minimum) sheet, to be interlocked at middle of the 1200x600 mm panel to form gride of 600x600 mm and wall angle of size 24x24x0.3 mm laying false ceiling tiles of approved texture in the grid including, requiered,cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc.Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 fixed to ceiling with 12.5mm dia and 50 mm long dash fasteners, 4mm GI adjustable rods with galvanised lbutterfly level clips of size 85 x 30 x 0.08 mm spaced at 1200mm centre to centre along main T , bottom exposed width of 24mm of all T-sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-charge.			
a	GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece. (Including cost of dash hold fastener but excluding cost of all other materials mentioned in this item)	25.00	sqm	0.6405
b	12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I , of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing. (Including cost of dash hold fastener but excluding cost of all other materials mentioned in this item)	50.00	sqm	1.2809

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Price Schedule A : Anneuxre - II

Name of work : Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
7	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : (Cost of aluminium snap beading shall be paid in basic item). (Including cost of Cleat and Neoprene/PVC gasket but excluding cost of aluminium sections)			
a	For fixed portion.			
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	100.00	sqm	0.6214
b	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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) (Including cost of Cleat and Neoprene/PVC gasket but excluding cost of aluminium sections)			
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	50.00	sqm	0.5862
8	Fixing 12 mm thick prelaminated particle board flate pressed three layer or graded wood particle board conforming to IS:12823 Grade I Type II in panelling fixed 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.			
	Pre-laminated particle board with decorative lamination on both sides. (Excluding cost of prelaminated particleboard.)	30.00	sqm	0.4187

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

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Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
9	Fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. (Excluding cost of floor spring and Cement)			
	With stainless steel cover plate minimum 1.25 mm thickness.	5.00	each	0.1312
10	Fixing aluminium round shape handle of outer dia 100mm with SS screws etc.complete as per direction of Engineer-in-charge. (Excluding the cost of Handle)			
	Powder coated minimum thickness 50 micron aluminium	10.00	each	0.0058
11	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):			
	With float glass panes of 5.00 mm thickness (Weight not less than 12.27 kg/sqm)	50.00	sqm	3.7689
12	Repairing of frameless toughened glass door shutter/partition of any thickness including replacing of damaged fittings (such as handle, top & bottom pivot, lock, floor spring, stopper, clamp etc.) excluding the cost of fitting but including the cost of screws, rawl plug, tools & tackels as per direction of Engineer-in-charge. Note:- All the fittings for door/partition shall be issued by BHEL free of cost.			
		30.00	sqm	1.8214
Total : Annexure II				10.0572
Total : Annexure I & Annexure II				100.0000

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work: Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

The following material free issue from BHEL stores, for annexure- II items.

1	Aluminium sections	} Re-use of the dismantled materials
2	Particle Board	
3	Glass	
4	floor spring	
5	G.I. Adjusting hangers	
6	Hydraulic door closer	
7	Sliding door bolt	
8	Tower bolt	
9	Handle	
10	False ceiling & fittings	
11	Cement	

Price Schedule C

Name of work: Repairing of aluminium partitions, doors, windows and ceilings inside factory area.

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