

TENDER

TENDER NOTIFICATION NO. - **FCX/19201057**

FOR

**Replacement of sheets of TXM block panel room test area
and other area 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 **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 : Replacement of sheets of TXM block panel room test area and other area 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 : Anneuxre - I

Name of work : Replacement of sheets of TXM block panel room test area and other area inside factory area.

| Sr. No. | Based on DSR' 2012 | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|--------------------|---|--------|--------|---|
| 1 | 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. | 100.00 | kg | 0.0243 |
| 2 | | 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 | 60.00 | sqm | 0.6350 |
| b) | 15.28.2 | Asbestos sheet | 630.00 | sqm | 3.1514 |
| 3 | | Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead : | | | |
| | 15.42.3 | 150 mm dia pipe. | 20.00 | metre. | 0.1026 |
| 4 | | Carriage of materials by mechanical transport including loading, unloading and stacking up to 1 km lead: | | | |
| | 1.1.11 | Steel | 2.00 | Tonne | 0.0273 |
| | Ana. | Sheets | 1.00 | Tonne | 0.0207 |
| | | Total | | | 3.9613 |

Note: Dismantling of PVC pipe may be paid under item no. 3 of Ann-I.

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - II

Name of work : Replacement of sheets of TXM block panel room test area and other area inside factory area.

| Sr. No. | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|--|--------|-------|---|
| 1 | Supply and installation of coated galvalume steel sheet 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. Colour of the sheet shall be as per this instructions of engr-in-charge. | 630.00 | Sqm | 70.6501 |
| 2 | Supply & fixing of flashings, ridges, cappings, corner pieces etc. made of 0.5mm TCT (total coated metal thickness) plain galvalume steel sheet in required shape & size & fixed with stitching screw complete. | 66.00 | Metre | 3.9788 |
| 3 | Fabrication and erection of structural steel works at all heights consisting of, railing, clamps, purlins with channels & angles, M.S. flat, M.S. tubes, supports including all connections as per detailed drawings connected steel works etc. cleats, gusset plates all bolts, nuts, washers ,base plates, anchor bolts etc., as per detailed drawings cutting welding and painting 1 coats of red oxide primer before erection & 2 coats of synthetic enamel paint/Aluminium paint of approved brand & colour after erection complete. Advani make electrodes or other approved make electrodes are to be used. All bolts, nuts, washers, gas, electrodes are in contractor's scope. Fabrication to be done as per I.S. codes of latest revision. Structural steel ,primer and paint shall be provided by BHEL free of cost. Application of paint shall be paid separately under respection item of annexure I | | | |
| a) | Only fabrication. | 100.00 | Kg | 0.1864 |
| b) | Only erection. | 100.00 | Kg | 0.0892 |

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - II

Name of work : Replacement of sheets of TXM block panel room test area and other area inside factory area.

| Sr. No. | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|---|--------|------|---|
| | | | | |
| 4 | Providing and fixing fire retardant and U.V. resistant profiled and solid transparent embossed polycarbonate sheet of minimum 3 mm thick with profile to match with that of adjacent galvalume sheets on roof with self drilling/self stitching fasteners with EPDM seal for transmission of light, fixing of the sheet to the existing support system underneath as per the standard practice complete and as directed by engineer-in-charge. The solid transparent polycarbonate sheet shall be free from scratches and other surface damage and it shall be UV treated and tested as per relevant ASTM or DIN or AS etc. as the case may be. | 15.00 | Sqm | 3.8796 |
| 5 | Supply & fixing M.S Galvanised Gutters with 3.0 mm thick (minimum) M.S. Galvanised sheet including zinc coating of 120 gsm considering both side together and sheet width 900 mm in the required shape and size as per drawing of valley gutter with necessary fastener, welding and supports on steel bracket & sealing the space as required with external cladding as directed by Engineer-in -Charge . | 704.00 | kg | 12.4492 |
| 6 | Providing & fixing South/North light curve in required girth with 0.5 mm TCT (Total coated metal thickness) coloured galvalume sheet with length of south/north light curve equal to maximum width of Galvalume sheet fixed to the steel members with self drilling/self stitching fasteners at maximum spacing of 500 mm c/c along length of capping, flashing etc complete as directed by Engr-in-charge. The curved width of south/ north light curve shall be as per drawing/ site condition and instructions of Engineer-in-charge. (Note: The profile of the curve shall be as per the direction of Engr-in-charge) | 33.00 | sqm | 3.4148 |
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FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : Anneuxre - II

Name of work : Replacement of sheets of TXM block panel room test area and other area inside factory area.

| Sr. No. | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|--|-------|-------|---|
| 7 | 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. | 15.00 | metre | 1.0352 |
| 8 | 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) | | | |
| a | Bend 87.5 degree (Working pressure-4.0 kgf/sqcm) | | | |
| | 160mm Bend/Elbow | 5.00 | each | 0.1754 |
| b | Shoe (Working pressure-4.0 kgf/sqcm) | | | |
| | 160mm | 5.00 | each | 0.1801 |
| | Total | | | 96.0388 |
| | Total = Annexure-I + Annexure-II | | | 100.00 |

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work : Replacement of sheets of TXM block panel room test area and other area inside factory area.

The following material free issue from BHEL stores.

- 1 Structural steel
- 2 Red oxide zinc chromate primer
- 3 Synthetic enamel paint

Price Schedule C

Name of work : Replacement of sheets of TXM block panel room test area and other area 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