

TENDER

TENDER NOTIFICATION NO. - **FCX/19201047**

FOR

**Laying of Rail track for movement of trolley/
movement of jobs in TXM 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 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 & 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.

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Price Schedule

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM 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 A : Anneuxre - I

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM inside factory area.

| Sr. No. | Based on DSR' 2012 | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|--------------------|--|---------|-------|---|
| 1 | | Carriage of material by Mechanical transport including, loading, unloading & stacking of.. | | | |
| (a) | 1.1.1 | Lime, moorum, building rubbish 1 km lead | 5.00 | cum | 0.1617 |
| (b) | 1.1.2 | Earth - 1 Km lead | 5.00 | cum | 0.2021 |
| (C) | 1.1.11 | Steel - 1 Km lead | 2.00 | tonne | 0.0575 |
| | | | | | |
| 2 | | Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : | | | |
| | 2.1.1 | All kinds of soil. | 50.00 | sqm | 0.9244 |
| | | | | | |
| 3 | | Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: (cement which shall be supplied free of cost by BHEL) | | | |
| | 4.1.8 | 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size). | 5.00 | cum | 6.1727 |
| | | | | | |
| 4 | | 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 which shall be supplied free of cost by BHEL) | | | |
| | 5.1.2 | 1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). | 18.00 | cum | 23.6924 |
| | | | | | |
| 5 | | 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. (Excluding the cost of material which shall be issued free of cost by BHEL) | 200.00 | sqm | 15.1828 |
| | | | | | |
| 6 | 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. | 1080.00 | Kg | 3.9016 |
| | | | | | |
| 7 | Ana. 10.1 | Structural steel work in single section fixed without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. (Structural steel & primer will be issued free of cost from BHEL stores). | 100.00 | Kg | 0.3881 |
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FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - I

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM inside factory area.

| Sr. No. | Based on DSR' 2012 | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|--------------------|---|---------|------|---|
| 8 | 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 & primer will be issued free of cost from BHEL stores). | 5400.00 | Kg | 34.4030 |
| 9 | 11.4 | 52 mm thick cement concrete flooring with concrete hardener topping under layer 40 mm thick cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener concrete consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume. Hardening compound is mixed @ 2 litre per 50 kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.(Excluding cost of cement which shall be supplied free of cost by BHEL) | 10.00 | sqm | 1.3713 |
| 10 | 15.3 | Demolishing RCC 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. | 5.00 | cum | 2.3896 |
| 11 | | 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 | 0.2766 |
| 12 | 15.19 | Dismantling steel work manually / by mechanical means in built up sections without dismembering and stacking within 50 meters lead. as per direction of Engineer-in-charge. | 1000.00 | Kg | 0.5126 |
| | | Total : | | | 89.6364 |

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule A : Anneuxre - II

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM inside factory area.

| Sr. No. | Item Description | Qty. | Unit | % Weightage of item amount against total amount |
|---------|---|--------|------|---|
| 1 | Fabrication & Erection of temporary barricade with structural steel members in single/built up sections , fixing them with A.C./G.S. sheets along with all necessary fittings/ fixtures for construction of machine foundation so as to prevent fouling of adjoining / nearby areas with dirt/dust/earth etc., followed by dismantling the above complete including dismantling and stacking within a lead of 50m. (Unit peripheral length multiplied by height) | 100.00 | Sqm | 8.1372 |
| 2 | Fastening mechanical Anchoring in RCC member including drilling holes of required dia & depth using hammer drill etc complete. To arrest dust & dirt generated during drilling operation, vacuum dust collector should be deployed in area of operation or the area of operation should be cordoned-off by making temporary enclosure for which enclosure material shall be supplied by BHEL free of cost. The rate should be inclusive of all , labour, tools & tackles etc. complete unless specified otherwise. (Mechanical anchor shall be supplied by BHEL free of cost) | | | |
| | Size 15 mm to 25 mm | 6.00 | Nos. | 0.2870 |
| 3 | Supplying and filling in plinth with stone dust under floors, including watering, ramming, consolidating and dressing complete. | 6.00 | cum | 1.9394 |
| | Total : | | | 10.3636 |
| | Total = Annexure-I + Annexure-II | | | 100.0000 |

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule B

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM inside factory area.

The following material free issue from BHEL stores.

- 1 Cement
- 2 Reinforcement Steel.
- 3 Structural steel
- 4 Red oxide zinc chromate primer

Price Schedule C

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM 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

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Scope of work

Name of work : Laying of Rail track for movement of trolley/ movement of jobs in TXM inside factory area.

The scope of work under this contract shall broadly comprise but not be limiting to the following:

- 1 Dismantling RCC Floor
- 2 Fabrication and Erection work of Structural steel for laying of railway track.
- 3 RCC work for finishing of railway track and flooring.
- 4 Miscellaneous civil work at other location as and when required
- 5 The scope shall also include all associated & enabling works including the cost of labour, tools & tackles and materials except for those to be provided by BHEL free of cost or on chargeable basis as mentioned in the schedule.