

TENDER

TENDER NOTIFICATION NO. - FCX/22231050

FOR

Name of Work: Foundation work for Bed Plate in Block-1 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 combining of Three Annexure:

The evaluation currency for this tender shall be INR. Total price of the package combining of Annexure I, Annexure II & Annexure III 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 & Annexure III 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 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: Foundation work for Bed Plate in Block-1 inside factory area.

SUMMARY

	Details ANNEXURE	Total Amount (Rs.)
	Total price of the package combining of Annexure-I, Annexure-II & Annexure-III.	

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 & Annexure-III 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: Foundation work for Bed Plate in Block-1 inside factory area.**

Sr. No.	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 Km lead			
	a) Lime,Moorum, building rubbish	35.00	cum	0.3177
	b) Earth	71.00	cum	0.8056
	d) Steel	1.00	Tonne	0.0081
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m; disposed earth to be levelled and neatly dressed.			
	All kinds of soil.	88.00	cum	1.5603
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations, etc. in layers not exceeding 20 cm in depth : consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5m	18.00	cum	0.2068
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:(Excluding cost of cement which shall be paid saperately)			
	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	10.00	cum	3.5316
5	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.(Excluding cost of cement which shall be paid saperately)			
	1 : 1.5 : 3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	1.00	cum	0.3696
6	Centering and shuttering including strutting, propping, etc. and removal of form for:			
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	24.00	sqm	0.5116
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	5.00	sqm	0.1722
7	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.(TMT bars)	1200.00	kg.	1.2172

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule : Anneuxre - I****Name of Work: Foundation work for Bed Plate in Block-1 inside factory area.**

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
8	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement concrete as per approved design mix including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement. including Admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer- in - charge. (Excluding cost of cement which shall be paid saperately)			
	(Note :- Cement concent considered in ths item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).			
	All works upto plinth level	37.00	cum	16.4288
9	Add or deduct for using extra cement in the items of design mix over and above specified cement content therein. (Excluding cost of cement which shall be paid saperately)	15.00	Quintal	0.0186
10	Structural steel work welded /riveted/ bolted 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 will be issued free of cost from BHEL store)	1000.00	kg	1.7888
11	12 mm cement plaster of mix.(Excluding cost of cement which shall be paid saperately)			
	1 : 6 (1 cement : 6 coarse sand) .	50.00	sqm	0.6799
12	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade			
	One or more coats on old work	100.00	sqm	0.4519
13	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-charge.			
	a) 1:3:6 or richer mix.	10.00	cum	0.9198
14	Demolishing R.C.C. 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.	25.00	cum	3.3547

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule : Anneuxre - I****Name of Work: Foundation work for Bed Plate in Block-1 inside factory area.**

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
15	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.			
	In cement mortar.	5.00	cum	0.3883
16	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	0.1439
Total : Annexure I				32.88

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule : Anneuxre - II****Name of Work: Foundation work for Bed Plate in Block-1 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 non-AC/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. (Supply of non-AC/ AC/GS sheets and structural steel free issue by BHEL) (Unit: Peripheral length multiplied by height)	240.00	sqm	5.5759
2	Supplying and filling in plinth with stone dust under floors, including watering, ramming, consolidating and dressing complete.	25.00	cum	2.3074
3	Making opening in existing RCC wall/slab of any thickness required size using cutting tools like wall shaw /wiresaw of hilti/bosch or equivalent make. Note: cutting surface cross sectional area shall be measured & paid for.	14.00	SqM	20.7258
4	Providing & fixing wooden pockets of different shapes and sizes for casting of foundation and dismantling the same after completion of casting, including cleaning of pockets and repairing the edges, complete as per the instruction of Engineer - in-charge.	120.00	Nos	12.5013
5	Supply and pouring of grouting cement of Sika/Cico/Pidilite/Ultratech or equivalent under base plate and pockets after mixing, cleaning and vibration complete. (Note: Payment shall be made on dry weight of grouting cement.)	5056.00	Kg	14.2076
	Total : Annexure II			55.32

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**Price Schedule : Anneuxre - III****Name of Work: Foundation work for Bed Plate in Block-1 inside factory area.**

Sr. No.	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	Supply and stacking of Portland Pozzolana Cement (PPC) of make ACC, UltraTech, Mycem, Ambuja, JK Cement, Wonder Cement or Shree Cement at site conforming to IS 1489: 1991 Re-affirmed 2005 Part 1 of Latest Revision, packed in non-returnable bags of 50 Kg.	175.00	Quintal	11.8065
	Note :- (i) Manufacturing date of cement should not be older than one month from the date of supply. (ii) For each running Bills, Contractor shall submit Cement reconciliation statement with actual cement consumption & theoritical consumption as per CPWD, DSR. Wastage of cement @ 2% of Theoritical Consumption is permissible. (iii) In case the supplied cement is more than the consumed cement, balance quantity of cement shall be returned by Contractor to BHEL's Store before processing of final bill.			
	Total : Annexure III			11.81
	Total : Annexure I + Annexure II+Annexure III			100.00

FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION

Price Schedule : B

Name of Work: Foundation work for Bed Plate in Block-1 inside factory area.

The following material free issue from BHEL stores.

- 1 Reinforcement steel
- 2 Structural steel

Price Schedule : C

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|---|--|---|---------------------------|
| 1 | Hire charges. | } | (Subject to availability) |
| | 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/- per M.T. of fabrication of structural steel | | |