

# TENDER

**TENDER NOTIFICATION NO. - FCX/23241021**

FOR

**Maintenance of Water Storage tank and associated  
supply line 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 One Annexure:

The evaluation currency for this tender shall be INR. Total price of the package consisting of **Annexure I** 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 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:- Maintenance of Water Storage tank and associated supply line inside factory area.**

**SUMMARY**

	Details ANNEXURE	Total Amount (Rs.)
	Total price of the package consisting of Annexure-I.	

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** 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** 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:- Maintenance of Water Storage tank and associated supply line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
1	18.12, DSR- 2012	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. <b>(Excluding the cost of GI Pipe which shall be provided by the BHEL free of cost).</b>			
		External work			
(a)	18.12.1	15 mm dia. nominal bore.	100.00	metre	1.2403
(b)	18.12.3	25 mm dia. nominal bore.	100.00	metre	1.3566
(c)	18.12.6	50 mm dia. nominal bore.	150.00	metre	2.2125
2		Cleaning and disinfecting roof top water storage tanks/inside work water storage tank by carrying out the following activities:- i) draining out stored water from the water storage tanks followed by closing the main outlet & inlet valves. This activity shall preferably be done by pump which shall be supplied by BHEL free of cost.			
		ii) Removing algae, fungus, dust dirt, loosely adhering particle etc. (if any) from walls and floor of the tank with scrubber/brush in wet condition with water.			
		(iii) Rinsing the tank of scrubbed impurities with clean water.			
		(iv) Dis-infecting the tank by flushing with a solution containing bleaching powder (CaOCl <sub>2</sub> ) at 0.5 gm per litre of water followed by.			
		(v) Draining out the dirty/dusty/unclean water from the water tanks.			
		(vi) Rinsing/cleaning of the water tank again with fresh/clean water.			
		(vii) Drain out the first fill of water from the tank after rinsing.			

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

Name of work:- Maintenance of Water Storage tank and associated supply line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
		(viii) Closing the drain valve and subsequently opening the main/inlet valve and restoring the supply of water to fill the tank.			
		Note: (1) Supply of bleaching powder is in the BHEL scope. (2) Pump for draining of water from tank shall be provided by BHEL free of cost. (3) <b>Printing and pasting of sticker (size 30cm X 15cm) on each tank after cleaning shall be done by the contractor. The cost of sticker shall be included in the cost of cleaning of tank. The matter in sticker shall be provided at the time of execution.</b>			
	(a)	Water storage tank of capacity 500 litre	300.00	Each	5.9345
	(b)	Water storage tank of capacity 1000 litre	350.00	Each	11.8957
	(c)	Water storage tank of capacity 2000 litre	400.00	Each	23.6673
	(d)	Water storage tank of capacity 5000 litre	50.00	Each	4.4240
	(e)	Sump tank of capacity 20000 litre to 50000 litre	15.00	Each	6.9075
3		Cleaning of open reserrior of Process water plant of BHEL factory area comprising of removal of deposited sludge at reserrior's bed, walls and baffle walls including disposal of sludge and other waste material up to a lead of 50m complete as per the instruction of Engineer - in charge. All necessary tools and tackles required for this purpose shall be provided by the contractor. However, if required, dewatering pumps shall be provided by BHEL. Note: 1. Approximate size of each reserrior is: 36.5m x 26m x 3m (h) 2. One reserrior shall be cleaned at a time by operating the inter-reserrior valves for transferring of water from one reserrior to another such that water stock is not empty at any time.	3.00	Per number of Reserrior	7.8515

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

Name of work:- Maintenance of Water Storage tank and associated supply line inside factory area.

Sr. No.	Based on DSR' 2012	Item Description	Qty.	Unit	% Weightage of item amount against total amount
4		Cleaning of drinking water sump inside BHEL factory area comprising of removal of deposited sludge at sump's bed and walls by brooming, brushing, scrapping, washing and cleaning complete including disposal of sludge and other waste material up to a lead of 50m complete as per the instruction of Engineer - in charge. After cleaning, the complete sump is to be disinfected by the solution of bleaching powder as per specified concentration All necessary tools and tackles required for this purpose shall be provided by the contractor. However, dewatering pumps and bleaching powder shall be provided by BHEL.			
(a)		0.5 MG reservoir	1.00	Each	1.9291
(b)		0.25 MG reservoir	2.00	Each	2.5722
5		Supplying & installation of three phase high speed mono block pump of ISI mark with pipe size 65x50mm, power rating 2.2 kw / 3.0 hp head upto 24 metre with minimum discharge 5 lps, rated voltage 415 volts (3ph) 50 hz AC power supply pumping medium : clear water handling at high pressure, insulation - B class or above , make : Lubi / Kirloskar / KSB / Mather & Platt. or equivalent etc. with Control Panel Starter	4.00	Each	30.0088
<b>Total : Annexure I</b>					<b>100.00</b>

**FACTORY CIVIL CONSTRUCTION & MAINTENANCE DIVISION**

**Price Schedule B**

Name of work:- Maintenance of Water Storage tank and associated supply line inside factory area.

The following material free issue from BHEL stores.

- 1 GI Pipe 15 mm dia
- 2 GI Pipe 25 mm dia
- 3 GI Pipe 50 mm dia
- 4 Bleaching powder

**Price Schedule C**

Name of work:- Maintenance of Water Storage tank and associated supply line inside factory area.

Nil