



JHARKHAND STATE COOPERATIVE MILK
PRODUCERS' FEDERATION LIMITED, RANCHI.

BIDDING DOCUMENT
TENDER FOR SUPPLY, FABRICATION & INSTALLATION
OF 50 MT MS MOLASSES STORAGE TANK
(COMPLETE BIDDING DOCUMENT)



Date of Publish of Tender : 29 Jan 2019
Last date for submission of sealed tender : 15 Feb 2019 by 17:00 hrs

Name of Tenderer: _____

Address: _____

Telephone no: _____

Email Id _____



JHARKHAND STATE COOPERATIVE MILK PRODUCERS' FEDERATION LIMITED, RANCHI.

Ref. No.JMF/PE/CFP/TANK/01

Dated: 29/01/2019

Tender Invitation

The Jharkhand State Cooperative Milk Producers' Federation Ltd. (JMF), registered under Jharkhand Co-operative Societies Act, 1935 is engaged in milk procurement, processing and marketing activities of item milk and milk products in the state of Jharkhand and is popularly known for its brand 'Medha'. Under an MoU, the Federation is being run & managed by the National Dairy Development Board (NDDB).

The H.O. is located at Sec-II, H.E.C., Near FTC Campus, Dhurwa, Ranchi – 834004

JMF (Jharkhand State Cooperative Milk Producers' Federation Limited, Ranchi), hereby invites tender (in sealed envelope) under two bid system i.e. technical and financial bids from the manufacturers or their authorized dealers for the purchase of following items on F.O.R basis for delivery at its Medha Dairy Plant, Hotwar, Ranchi.

Sr No.	Name of Item	Required Qty (Nos.)
1	M.S. MOLASSES STORAGE TANK, Capacity - 50 MT	2

The bids shall be submitted in two separate envelopes (under one main envelope superscribing: **'TENDER FOR SUPPLY, FABRICATION & INSTALLATION OF MILD STEEL MOLASSES STORAGE TANK, Capacity - 50 MT'**).

1. Cost of documents : Nil
2. Tender Start Date : 29.01.2019
3. Tender submission End Date & Time : 15.02.2019 at 17.00 hours
4. Tender Opening Date: : 16.02.2019 at 11.30 hours

All the tenders will be acceptable only in 'Sealed Envelope' on or before the due date. Tenders will be opened on the prescribed date as mentioned above in the presence of the agency or their authorized representative who may like to be present in the office at Hotwar Dairy Plant of Jharkhand State Cooperative Milk Producers' Federation Limited, Ranchi.



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DETAIL NOTICE INVITING TENDER

SEALED-TENDERS are invited for supply, Fabrication & Installation of Mild Steel Molasses Storage Tank in single stage two cover systems i.e. Pre-Qualification/Technical Bid (Technical Envelope) and Financial Bid (Commercial Envelope) as below:

Envelope 1: Technical Bid

The bidder should submit EMDs, eligibility criteria, technical details as required in enclosed **Annex-I** and **Annex-II** in the Technical Bid.

Envelope 2: Commercial Bid

The bidders should quote the prices in Indian Rupees in price bid format in the Commercial Bid enclosed as **Annex-III**

Under this process, the Eligibility and qualification of the Applicant/ Agency will be first examined based on the detail submitted under first cover (Technical Bid) with respect to eligibility criteria and specifications prescribed in this tender document. The Price Bid under the second cover shall be opened for only those Applicants whose technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

Requirement details:

Sr No.	Name of Item	EMD (Rs.)	Total Qty	Delivery Period
1	MILD STEEL MOLASSES STORAGE TANK, Capacity - 50 MT	25,000	2	2 Months

The agencies shall have to pay EMD Fee of Rs. 25,000/-. The payment of EMD can be made in form of DD (Demand Draft) in favor of **'The Jharkhand State Cooperative Milk Producers' Federation Limited, Ranchi.**

Note : If the tenders are cancelled or recalled on any ground(s), the EMD will be refunded to the agency/agencies.

The earnest money deposited for the tender will not be returned to the bidders till the acceptance of tender or three months or after finalization of tender, whichever is earlier.

ELIGIBILITY AND QUALIFICATION REQUIREMENTS:

1.0. The bidders must meet the following minimum qualifying criteria:

1.1. The Bidder must be in the business of this type for the last 3 years

1.2. The bidder must be either Manufacturer or Authorized Dealer/Agency.

1.3. The bidders should have completed at least one purchase order for similar nature of work (i.e., supply of MS TANK) for a value not less than Rs. 15.00 lakhs in co-operative dairies/NDDDB in last 3 years.



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2.0 Submission of Tender/Bid in Sealed Envelope

2.1. Technical Bid: - Under technical bid, the Tenderer/ bidder interested, shall fill its complete profile in the enclosed format **Annexure - II - "Tenderers' Profile'** and all such documents as requested/ required.

2.2. The technical details/parameters of items must be mentioned as requested in enclosed **Annexure-I-'Technical Specifications'**.

2.3 Commercial Bid: -Under commercial bid, the price/ rate should be quoted on F.O.R. destination basis inclusive of packing forwarding, GST, insurance & transportation charges etc. in the enclosed format -**Annex-III-'Commercial Bid'**.

2.4.BidCurrencies: -The rate/ price should be quoted in Indian Rupees only.

3.0 Period on Validity of Bids:-

3.1.Bids shall remain valid for 90 days after the date of bid opening prescribed by JMF, Ranchi. A bid valid for a shorter period shall be rejected as non-responsive.

4.0 Payment Terms: -

4.1 70% payment shall be made within 30 days of receipt of the materials at site and its inspection.

4.2 20% payment shall be made on completion of fabrication, testing and installation of tanks at site.

4.3 Balance 10% shall be released after commissioning of the tanks against a nationalized bank performance Bank guarantee equivalent to 10% of the contract value of the equipment valid for a period of 12 months from the date of successful commissioning.

4.4The payments shall be made through NEFT/RTGS and all payments shall be made in Indian Rupees only.

5.0 Warrantee/Guarantee:

The Bidder warrants that the goods and equipment's, supplied, installed and commissioned under the contract are new, unused, of the most recent or current models and incorporate all recent improvement in design and materials unless provided otherwise in the contract. The Bidder further warrants that the Goods supplied under this Contract shall have not defect arising from design, materials, or workmanship (except insofar as the design or material is required by the Purchaser's specifications) or from any act or omission of the Bidder, that may develop under normal use of the supplied Goods in the conditions obtaining in the country of final destination. The Bidder also guarantee that the Goods supplied shall perform satisfactorily as per the designed rated installed capacity as provided for in the Contract.

5.1. This **warrantee/ guarantee shall remain valid for 12 months** after the Goods have been delivered at site, installed, successfully tested / commissioned and accepted by the Purchaser.

5.2. Any complaint on performance of the equipment during its warrantee/guarantee, shall be attended within 24 hours by the Bidder.



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GENERAL TERMS AND CONDITIONS

1. The rate should be on the basis of FOR destination as mentioned in tender notice. The element of GST (Goods & Service Tax), freight/ P&F/ Octroi, discount etc. should be mentioned clearly in the offer, failing which it will be presumed that these elements are included in the rates quoted for. Breakup of the price quoted should be given.
2. The tenders without earnest money will not be accepted. The firm registered with DGS&D, National small-scale industries Corporation or Govt. approved sources / Enterprises etc. are not exempted from deposit of earnest money.
3. The material is to be supplied strictly as per our specifications and delivery schedule. There will not be any compromise on the quality of the material and material not found as per our specifications is liable to be rejected.
4. The goods will be properly packed before dispatch. All losses in transit due to improper / poor packing will be borne by the supplier.
6. Delivery period for entire material is 60 days from date of receipt of order.
7. Late supplies will attract penalty @ 0.5% per week or part thereof subject to a maximum of 5% of the PO value.
8. The Jharkhand Milk Federation also reserves the option to go in for the purchase of material at the risk and cost of the successful tenderers, if the party fails to give supplies as per our specifications and schedule. The extra amount if any, in doing so will be recoverable from the defaulter.
9. All inspection of the material will be carried out at our concerned Hotwar Dairy Plant after receipt of material and our decision regarding quality will be final and binding. In case of rejection, the supplier will give free replacement without any delay and objection within 15 days. Rejected goods if not lifted by the supplier within 15 days of intimation, shall be disposed of by consignee at the cost of supplier. No claims thereafter by the supplier will be entertained.
10. Submission of tenders shall carry the undertaking that the tenderer concerned has studied the terms and conditions, specifications, quality, type, character and workmanship of the materials tendered.
11. In case of any dispute, arising out of the contract, the same will be referred to sole arbitration of M.D., Jharkhand State Cooperative Milk Producers' Federation Limited or his authorized representative whose decision in the matter will be final and binding on both the parties. For all legal matters & dispute Ranchi court shall be our jurisdiction.
12. The offer shall remain valid for a period of 90 days from the date of opening of tenders. Withdrawal of offer before expiry of validity period will result in forfeiture of the earnest money of the tenderers withdrawing his offer.
13. Participation in this tender is invited from the manufacturer or their authorized dealer only. When any item is required to be ISI marked, the manufactures/Suppliers along with their offer should attach photocopy of the required certificate.



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14. If any supplier has any genuine problem beyond his control for arranging the supplies as per our schedule, he will have to get the extension in delivery schedule well in time, failing which schedule given to him in original will be final. Request for extension in delivery schedule after expiry of schedule time and supply will not be entertained.

15. In case of non-supply of the material or any act of commission or omission of a supplier, the Jharkhand Milk Federation may cancel the tender & forfeit the earnest money of the party. In case of Major commission/omission, the party may be debarred/ black listed.

16. Even after inspection, if any defective material is observed during usage, the same shall stand rejected. It will not be obligatory to accept the lowest tender and the JMF reserves the right to accept/reject/scrap any or all of the tenders without assigning any reasons.

17. IMPORT LICENSE AND FOREIGN EXCHANGE VARIATION:

The purchaser shall provide no import license for goods offered against this bid.

Necessary clearance license from the concerned authorities for the Bidder at his cost & responsibility shall obtain any imported goods offered.

Managing Director
Jharkhand Milk Federation
Tel No. – 0651- 2443055/62



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ANNEX - I -

TECHNICAL SPECIFICATIONS

1.0 MOLASSES STORAGE TANK, Capacity: 50 MT each - 2 nos.

1.1 FUNCTIONAL REQUIREMENTS

These are required for storage of liquid molasses in bulk.

1.2 DESIGN REQUIREMENTS

- Capacity of tank – To store 50 tons of molasses, from outlet up to overflow of tank, having size preferably be of 4 M diameter and 4 M height(internal dimensions).
- Material of construction - Mild steel structural steel as per IS 2062 Grade A; IS 808 for Rolled steel for beams, channels, angles; IS 1730 for Plates, strips, flats ; IS 1239 for MS pipes.
- **Tanks shall preferably be fabricated at site in welded construction and on civil foundation provided by the purchaser.**

Molasses storage tank to be welded type, vertical and cylindrical shape, mild steel construction, circumference/base of steel plate and having internal steel structural members like cross bracings, central king post, circumferential stiffener rings etc. The tank to be provided with standard accessories such as staircase, rung ladder (welded inside the shell), safety railing on top, manholes (at bottom and top), inlet, outlet, air vents, float type level indicators, drain etc. Tanks shall preferably to be fabricated at site on civil foundation (1 M above ground). After fabrication, the tanks are to be tested with water for leakages and then all internal surfaces are to be cleaned by sand blasting and then provided with epoxy painting. All outside surfaces are to be sand blasted and provided with enamel primer and paint. After testing, both the tanks to be calibrated.

The tank shall be insulated with 50 mm thick mineral wool insulation of and cladded with 18 g rivetted GI or 14 g welded MS sheet upto 1.0 m height from its bottom (base).

1.3 SCOPE OF SUPPLY

1.3.1 Bottom Plate:

Minimum 10 mm thick MS plate with single "V" notch welding joint with backing strip of size 50 mm x 6 mm over the base plate weld joint.

1.3.2 Vertical Shell:

Bottom 1.25 M - Minimum 6 mm thick MS Plate.
Top 2.75 M - Minimum 5 mm thick MS Plate.
Double 'V' groove welding on both sides.



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1.3.3 Roof:

Conical type with 5 mm thick plates having slope of 5 degree from horizontal.

1.3.4 Strengthening Structure:

- Central king post (1 no.) for roof supporting made from minimum 80 mm NB MS “C” class pipe, with 8 mm thick 970 mm dia. MS base and crown plate at bottom and top respectively.
- Circumferential stiffener rings at circumferential welding joints made from 75 x 40 mm MS channels.
- Circumferential stiffener ring (minimum 1 no.) with full welding at circumferential welding joint of bottom plate and shell on inner side, made from 75 x 75 x 6 mm MS angle.
- Supporting brackets (minimum 4 nos.) at circumferential welding joint of bottom plate and shell (outside the tank), made from 100 x 50 mm MS channel 150 mm long.
- Curb angle (1 no.) at circumferential welding joint of roof plate and shell (outside the tank) made from 40 x 40 x 5 mm MS angle.
- Cross bracing between shell and central king post (minimum 4 nos.) made from 75 x 40 mm MS channel.
- Roof supports (minimum 4 nos.) made from 75 x 40 mm MS channels
- Vertical stiffeners for shell (minimum 4 nos.) made from 75 x 40 mm MS channels.

Note: The sizes of bottom plate, shell, roof and structural details shown above are the minimum requirement. If the tank plates/ structural details requirement are more than that shown above as per bidder's design, the bidder has to provide the same as per actual structural design and submit for purchaser's approval before fabrication.

1.3.5 Staircase

- Rung ladder welded inside the shell, made from 20 mm dia. MS rods.
- Spiral staircase consisting of grill type steps fabricated from 20 x 5 mm MS flat (300 x 600 mm), supporting frame from 75 x 40 mm MS channels, railing on one side only from 32 mm NB MS pipes (C class), mid and top landing with MS grating fabricated from MS flat of size 20 x 5 mm and staircase supporting pipes from 32 mm NB MS pipes (“C” class).
- Safety railing on top of the tank having two circular rings made from 2 mm NB MS “C” class pipe - 1 M high complete with vertical supports at every 30 degree angle and toe guard made of 2 mm thick 50 mm width MS sheet welded circumferentially on railing support.



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1.3.6 Tank Accessories

- Inlet 100 mm NB MS “C” class pipe with F table flange & counter flange on roof of the tank.
- Manhole in shell near bottom (1 no.) of 600 mm dia. made from minimum 6 mm thick MS plate and cover MS plate from minimum 8 mm thick complete with bolts, nuts and packing etc.
- Manhole on roof (1 no.) of 600 mm dia. made from 6 mm thick plates, complete with flanged bolted rain hat and wire mesh.
- Float type level indicator complete with SS 304 float, 14 gauge SS guide wires, pulleys, SS wire ropes (14 gauge), scale with marking in MT after proper calibration
- Air vent at roof (minimum 4 nos.) from minimum 200 mm dia. and 250mm height with 50 x 6 mm MS flat, SS wire mesh, rain hat.
- Drain near bottom plate (1 no.) from 100 mm NB MS “C” class pipe complete with flanged type CI gate valve with GM working parts, blind flange F table, bolts, nuts and packing.
- Outlet near bottom (1 no.) from 100 mm NB MS “C” class pipe complete with flanged type CI gate valve with GM working parts, counter flange H table, bolts, nuts and packing.
- Outlet pipe from the storage tank to molasses day tank shall be suitably insulated and cladded to avoid choking of pipeline during winter season.

1.3.7 Molasses Heater:

A suitable kW rating 3 phase, 415 V electric heater to be provided to the tank with flanged connection to heat molasses upto 50°C and maintain it in flow able condition. The heater should be provided with thermostat to control the molasses temperature by electrically disconnecting it automatically on achieving the set temperature. **The heating element should be electrically insulated to prevent direct electrical contact with molasses.**

1.3.8 Molasses transfer pipeline:

The molasses transfer pipe with valves between unloading vat and new molasses tank under scope of this tender are to be provided for loading and unloading of molasses storage tanks. The molasses loading line shall be of 80 NB and unloading line of 100 NB. The lines shall be insulated with mineral wool and cladded with 22 G aluminium sheet.

1.3.9 Testing:

After completion of fabrication, all jigs and fixture should be removed from inside and outside and unnecessary welding deposit should be ground smooth prior to painting, complete tank to be filled with water and kept for observation for any leakage for at least 24 hours. Any leakage observed should be plugged with welding. During testing, calibration of the tank shall be done.



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1.3.10 Painting:

After completion of testing, the complete tank from inside and outside shall be cleaned with wire brush and SAND BLASTING. All the inside surface shall be cleaned after sand blasting followed with two coats of black epoxy primer followed by black epoxy paint. All the outside surface after sand blasting should be painted with two coats of red oxide primer followed by two coats of black enamel paint. Supporting steel structure, transition pieces & piping etc. being fabricated at site to be applied with corrosion resistant zinc oxide primer before erecting/installing and then applying one coat of synthetic enamel paint after erection.

1.4 REMARKS:

- Bidder has to make its own arrangement for all tools, tackles, scaffolding, welding machines and other accessories for fabricating the tank at site.
- Bidder to follow all rules and regulation, statutory requirements, workers' compensation act for the labour force employed by them. Bidder would be solely responsible for any injury or accident if it happens to the persons working on this project site. Bidder has to take necessary labour insurance in this regard.
- No accommodation would be provided for staff and labour of the Bidder at project site. However they may construct temporary hutment at their expenses within project site after taking approval from site in charge. The same shall have to be cleared / removed upon completion of the job or as & when instructed by the Engineer-in-charge.
- Water required for testing of tank shall be provided at a point within the project site at free of cost. Bidder shall have to make arrangement like pump, piping etc. required for filling water into the tank for testing and after testing, bidder shall also have to make suitable arrangement for discharging the water from tank to nearby drain/ nallah.

Important Notes:

- The load details on the foundations shall have to be provided to the purchaser to design the civil foundation.
- The steel structure for the bulk molasses storage tanks shall be as per the design of the bidder. The tanks shall be designed for wind load (highest as per historical records) and for seismic stability as per seismic zone. Stability certificate for the tank and structure shall be submitted by the successful bidder. Design calculations for the structure shall be shared with the purchaser without any extra cost. Purchaser shall suggest the bidder, for alteration, wherever found required.
- Plan and elevation drawings for the tanks showing heights shall be furnished to the purchaser.
- Weight of MS plates and other structural materials of each tank including staircase is to be indicated in the offer.



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ANNEX- II (Tenderer's Profile)

No	Details					
1	Name of Vendor/ Tenderer					
2	Address Of Registered Office					
3				Address Of Factory/ Works		
4				Name Of Contact Person		
5	Contact Nos.					
6	Type Of Firm : Ltd Co/ Pvt. Ltd. / Partnership/ Proprietor					
7	Nature Of Firm: Manufacturer/ Traders / Autho. Dist. / Dealer					
8	Year Of Establishment					
9	Name Of Product, you Deal					
	Please, Specify in separate sheet (As per below Format)					
	S. No	Item Description (Shortly)	Make/Brand			
10	G.S.T. No & Reg. Date					
11	PAN No & Date					
12	Turn Over Of last 3 Year (Rs.)					
	1.	2.	3.			
13	If You have maintained any quality standard (Pl. Specify)					
14	Name Of Clients (If required, Pl. Specify in separate sheet)					
	1.	2.	3.			
15	Min. Lead Time Required (Days)					
16	Bank Details					
	Name of Bank :					
	Branch Address:					
	Account No. :					
	IFSC Code :					
17	Documents to Be Attached					
	1. Copy of Registration + PAN Copy + GST Regn. 2. ISO Certificates 3. Autho. Dealership 4. Fin. Statements 5. Product Brochures 6. Copy of PO's (Min.5)					
Recommendation:						
			Seal & Sign. Of Vendor			



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**ANNEX - III-
COMMERCIAL BID**

Sl No.	Item Description	Qty	HSN Code	Ex- Rate /Unit (Rs.)	P&F, Freight/ Transport, Insurance etc	GST %	GST Amt. (Rs.)	Total Amt.* (on F.O.R. basis)
1.	50 MT MS MOLASSES STORAGE TANK	02 Nos						

Notes:

This rate offered must include a minimum warrantee /guarantee period for above items for 12 months after the Goods have been delivered at site.

***The total amount should include GST, P&F, Freight/transportation, Insurance etc. delivered at Site.**

I / We hereby declare that the information furnished above are true and correct.

We agree to supply the above goods /materials in accordance with the scope and technical specifications mentioned above.

"BIDDER TO FURNISH STIPULATED DOCUMENTS ALONG WITH TENDER IN SUPPORT OF FULFILLMENT OF TENDER CRITERIA. FURTHER CORRESPONDENCE IN THIS REGARD WILL NOT BE ENTERTAINED FOR ANY REASON. NON-SUBMISSION OR INCOMPLETE SUBMISSION OF DOCUMENTS MAY LEAD TO REJECTION OF OFFER."

Date:

Place:

Designation

Tenderer Signature & Seal

Name: