

**PUNE ZILLHA SAHAKARI DUDH UTPADAK SANGH
MARYADIT, PUNE**



MK

TENDER DOCUMENT

For

**SUPPLY, INSTALLATION TESTING &
COMMISSIONING OF DAIRY & SERVICE
EQUIPMENT AT KATRAJ DAIRY PUNE**

Bid Ref:

Issued By:

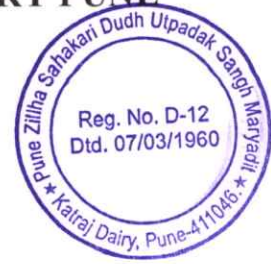
Pune Zillha Sahakari Dudd Utpadak Sangh Maryadit, Katraj

**ISSUE LETTER OF TENDER DOCUMENT FOR SUPPLY,
INSTALLATION TESTING AND COMMISIONING OF DAIRY &
SERVICE EQUIPMENT AT KATRAJ DAIRY PUNE**

This tender document set is issued to:

Name of the Bidder:

Address of the Bidder:



Mk

The fees for this set of tender document is 0.4% +GST on contract value.

Date of sale of Tender document vide receipt

No..... Dated.....

For and behalf of Authorized Signatory

Pune Zillha Sahakari Dudh Utpadak
Sangh Maryadit, Katraj



INVITATION FOR BID

PUNE ZILLHA SAHAKARI DUDH UTPADAK SANGH MARYADIT. KATRAJ DAIRY PUNE

UK

Phone No. 9070066713

Email: katrajmilk@gmail.com

Invitation For Bid			
Bid Reference		Project at	Katraj Dairy Pune
Description	Supply Installation, Testing & Commissioning of 5 Litre Pouch Filling Mechanical Machine at Katraj Dairy Pune		
Estimated Cost of work: Rupees		EMD	Rs. 25,000/-
Duration of Completion Time	Six Weeks		
Bidding Document Sale at NCDFI web site.	Start	13 /03/2026 @ 10.00AM	
	Stop	22/03/2026 @ 5.00 PM	
Last date & time of bid submission	Submission	22 /03/2026 up to 5.00PM	
	Tender Opening	Shall be informed.	

Purchase of Bidding Document

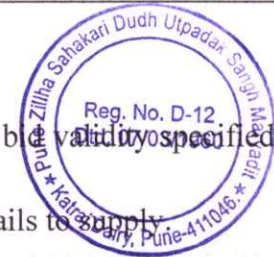
1.1 The bid document be downloaded from the e-tendering portal (<https://www.ncdfimarket.com>). A non-refundable tender fee of 0.4% + GST on contract value must be paid online through the e-tendering portal via Net Banking/Credit Card/Debit Card.

1.2 The bidder who purchases the bidding document, are only eligible for submission of bids in their name.

1.3 Bid Security

All the bids must be accompanied by bid security (Earnest Money Deposit – EMD). The bids not accompanied with EMD shall be summarily rejected. The bid security shall be in the form of RTGS/NEFT in favour of Pune Zillha Sahakari Dudh Utpadak Sangh Maryadit, payable at Pune. The Bid security may be forfeited if

- a) A bidder or supplier withdraw their bid during the period of bid validity specified by the bidder/supplier on the bid form or
b) In case of successful bidder/ supplier, if the bidder/ supplier fails to supply



Handwritten signature

1.4 Rights Reserved by Sangh

Pune Zillha Sahakari Dudh Utpadak Sangh Maryadit, at its sole discretion and without assigning any reason thereof, reserves the right to accept and / or reject the whole or part of any or all the bids received.

1.5 Validity

The offer should be valid for 30 days from the date of tender opening.

1.6 Address of Communication:

Managing Director,
Pune Zillha Sahakari Dudh Utpadak Sangh Maryadit,
Katraj Dairy, Pune: 411046.

1.7 Banking Details

Bank Name: Bank Of Maharashtra
Account No: 20087944574
IFS Code: MAHB0000100.

Eligibility, Qualification Criteria & Payments Terms



The bidders must meet the following minimum qualifying criteria:

- a) The Bidder should have been in business Supply & Installation of the Machine at least for last 5 (**five financial years**) at the time of bid opening.
- b) The bidder or their representative shall visit and inspect the actual work site for geo-tagging. Geo-tagged photographs taken from the tender publishing date and up to the Prebid meeting date during work hours, along with a signed self-declaration and endorsement by the respective director shall be uploaded at the time of online tender submission. If the bidder fails or refuses to carry out the geo-tagging, the tender inviting authority reserves the right to disqualify the bid.
- c) The Bidder should have valid registration under various Acts that may be applicable for the contract proposed. This shall include but not limited to Income Tax, Companies, GST, Employee State Insurance, Contract Labour, Provident fund etc.
- d) Copy of Income Tax Returns for three previous years in original or certified true copies, along with Permanent Account Number (PAN) for income tax purpose & GST certificate.
- e) Even though the bidder meets the specified criteria, it may be disqualified if it has: Made untrue or false declaration in the forms, statements and attachments submitted in proof of their qualification.
- f) Reports on financial standing of the bidder such as profit and loss statements, balance sheets, and auditors report of the past three years, bankers certificates etc.,.
- g) The manufacturer should have presence in India with after sale service network, inventory of spares and service engineers.
- g) Payment Terms:
 - i) 10% advance payment against B.G. of equivalent amount from nationalized bank.
 - ii) 50% Payment immediate after receipt material.
 - ii) 30% against satisfactory installation & commissioning.
 - iii) 10% against performance bank guarantee of 12 months after successful installation of machine.



GENERAL TERMS AND CONDITIONS FOR SUBMITTING THE TENDER

1. Sealed tenders will be received on prescribed format by the Authorized Person of the Pune Zillha sahakari dudh utapadak sangh Maryadit, Pune in his office up to the dates mentioned
2. Prescribed tender is available on NCDFI web site on payment of tender fees (non refundable).
3. Tender shall be submitted on letter head with a covering letter & should quote rates for F.O.R site basis
4. For opening of the tender, you are at liberty to be present or authorize your representative to be present at the opening of the tender.
5. The Authorized person does not pledge himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tender or portion of the quantity offered against any item and bidder shall supply the same at the rate quoted. Bidders are at liberty to quote for the whole or any item from the list of items.
6. In the event of the order being placed against any of the item and if the bidder fails to supply, complete the works(s) according to the terms and conditions of acceptance of tender or fails to replace any item or fail to complete the work(s) Pune Zillha sahakari dudh utapadak sangh Maryadit, Pune shall complete the work (s) from any other sources and such price would be debited by the milk Sangh in his sole discretion.

If action as stipulated above taken then:

- i. The order of the defaulting contractor will not be considered
 - ii. The defaulting contractor will be penalized to the extent of the difference in the rates of 10 % of the value of the earlier order, whichever is higher.
 - iii. If the defaulting contractor fails to pay the penalty he will be permanently delisted from the list of contractor of the Pune Zillha sahakari dudh utapadak sangh Maryadit, Pune and the name of the party will be informed to Ministry of Agriculture, Govt. of India, Krushi Bhavan New Delhi.
 - iv. If the recoveries so decided by the milk union are found not recoverable from the dues of the successful bidder, the same is liable to recovery as arrears of land revenue.
- 7 In the case of non delivery and/or delayed delivery/delay in completion of the work(s) against an order placed with bidder, the Pune Zillha sahakari dudh utapadak sangh Maryadit, Pune reserves to himself the right to impose such penalty in his sole discretions union thinks fit.
 - 8 EMD
 - An amount is specified
 - Earnest Money Deposit shall be credited by the bidder from any Nationalized Bank/schedule bank in favour of Pune Zillha sahakari dudh utapadak sangh Maryadit & proof shall attached with the tender.
 - b] Earnest Money Deposit of unsuccessful bidders shall be refunded within one month from the date of tender opening. Exemption from the payment of security deposit will not be granted.

- Security deposit shall be 5% of the work order / purchase order value remitted in cash or fixed deposit receipt for a period of 13 months from the schedule bank drawn in favour of Pune Zilla Sahakari Duddh utapadak sangh Maryadit, Pune.

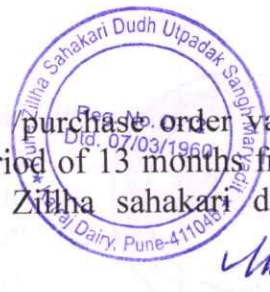


9 Liquated Damages: In case of delay beyond specified completion date, Penalty of 0.5 % of the order value per week will be applicable. The maximum applicable total amount will not exceed more than 10% of the order value.

10 Extension of time-

- As soon as it is apparent that contract date cannot be adhered, an application shall be sent by the successful bidder to Milk Sangh.
- Without prejudice to the foregoing rights, if such failure to deliver in proper time as aforesaid shall have arisen from any cause, which the Pune Sangh, may admit as reasonable ground for an extension of the time (and his decision shall be final) Union may allow such additional item as he consider to be justified by the circumstances of the case as approved by the Board of the Milk Sangh.
- Provided always that failure or delay on the part of sub-contractors through their employment may have been sanctioned shall not be admitted as a reasonable ground for any extension of time or for exemption from liability for any such loss of damages as aforesaid and provided further that no extension shall be allowed unless application for it shall, in the opinion of the milk union.(which shall be final) have been made and in his opinion is justified and get approved by the Board of the Milk Sangh.
- The milk Union reserves the right to call for any break up of the quotation where necessary.

- General Instructions: Bid form should be returned duly filled in, failing which, quotation will not be considered.
- The bid shall be submitted in the two-envelope method only, technical bid & commercial bid envelope failing which commercial envelope of such bidders will not be opened.
- Technical bid envelope will be opened on the date and time of tender opening at first instance followed by commercial tender envelope.
- Validity period of a bid shall be for a period of 60 days from the date of opening the tender.
- GST & other taxes should be clearly stated failing which it will be taken as inclusive of all taxes.
- Bidders may quote rates for equivalent make and also should indicate specifically the make of spare parts i.e. genuine, imported equivalent make or indigenous. They are required to give guarantee for premature ware, genuine original manufacture of the machinery.
- Ex-stock offer or those on bidder's own import license will only be preferred.
- Inspection: The inspection of the store supplied/works(s) carried out will be made by the authorized person of the Milk Union, where the work is being carried out/or any other person, authorized by the Milk Union.
- N.B Special consideration would be given in the case of bidders quoting the requirements of Indian Standards specifications and those with quality markings.



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 - 18. N.B Special consideration would be given in the case of bidders quoting the requirements of Indian Standards specifications and those with quality markings.



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35. Successful bidder will have to provide requisite, warranty to the plant and machinery included in the installation as would be included to them at the time of placement of order for the period of not less than 1 year.
36. Conditional tender are likely to be rejected.
37. Bidder should provide the detail technical description of their (catalogue, photograph, supply list etc) with the tender form.
38. The entire installation shall have to be carried out by the successful bidder not only in accordance with the rules and regulations of the respective statutory authorities of the Govt. of India and state Govt. be also in accordance with the operational and maintenance convenience as well as felicitating sanitary designs and installation. Overall the installation shall with proper alignment leveling, supporting etc without hindrance for operation and maintenance as well as ensuring safe and steady installation for the expected plant life.
39. Commissioning and training shall be given by the successful bidder to the authorized person for the satisfactory performance of working of plant and machineries and installation & this shall have to be recorded and signed by both the representative of the contractors and authorized person of the Milk Union for minimum period of 01 to 2 weeks as would be intimated. The trial report shall be approved by the concerned officer. Any rectification/replacement/modification etc required to comply with the satisfactory operation maintenance and performance of the plant shall have to be committed out by the successful bidder during commissioning and trial runs if required
40. During testing of equipment, commissioning and trial the plant operators technicians, supervisors, etc are to be trained for satisfactory operations and maintenance, requires operations and maintenance manuals, trouble shooting charts does/do not etc. have to be spelt out and given as documents during training of staff. Two such sets of manuals and other including the final installed layout shall be handover to the plant engineer one additional copy to handed over to the authorized person of the Milk Union.

Note: The bidder's will/shall sign each and every page and attest his seal failing which the tender is likely to be rejected.

MANAGING DIRECTOR
Pune Zillha Sahakari Dudh Utpadak Sangh Ltd Pune

I / we read the terms and conditions and agree with the same
Date:

Bidder's Sign & stamp



Item wise Estimated cost & EMD

Sr. No.	Item Description	Capacity	No. of Units	EMD Amount Rs. (in. Thousand)	No. of Units	Total Amount (Rs)
1	Milk Pouch Filling Machine	5 Liter Pack	1 No.	25.00	1 No.	

POUCH FILLING MACHINE
(Mechanical Type with photocell)
CAPACITY: 5000 ML



1.0 FUNCTIONAL REQUIREMENTS

The Milk would be fed by gravity flow to the insulated servo operated valve with low & high level controlled balance tank of the single head mechanical type pouch-filling machine. The machine should form pouches of film, fill with milk and seal the same.

2.0 DESIGN REQUIREMENTS

Dosage & Speed	5000ML 12 pouches/ min.
Accuracy	± 0.5 under ideal working conditions.

2.1 Finish: All stainless steel inner surfaces are to be polished to 150 grits. The outside surface of the machine shall be circle polished to 150 grits.

3.0 SCOPE OF SUPPLY

3.1 The machine: The single head mechanical type pouch filling machine should automatically form, fill and seal milk in pouches from polyethylene film, continuously supplied from a roll. The design of the machine should be hygienic. All the milk contact parts of the machine should be made from stainless steel conforming to AISI 304. All the functions of the machine shall be controlled using cam timer switches and the machine shall be mechanical cam operated.

3.2 Insulated Balance tank: Stainless steel AISI 304 float balance tank of suitable capacity should be provided at the top of the pouch-filling machine. The balance tank shall be provided with servo motor valve with high & low level controllers and an overflow connection ending in a SS 304 sanitary type ball valve. The overflow SS 304 pipe is to be extended down up to the bottom of the machine

3.3 The machine should consist of SS 304 body built on a treated Aluminium chassis. All sub – assemblies are to be mounted on these plates. All tapped holes on chassis shall have helical steel inserts for longevity of chassis.

The machine shall have following arrangements in it.

3.3.1 Spool bearer Assembly & Film guide: The heat sealable jumbo film roll shall be mounted on spool bearer at the rear bottom of the machine. The spool bearer assembly should be sliding type to facilitate easy change over of the film roll. The spool roller bracket assembly shall be made of SS 304 material.



The film layer is then passed through motorized film reel unwinding control mechanism & various rollers and subassemblies such as:

- End of film
- Film loosening
- Film brake etc.

Subsequently, it should be passed over a set of ultra violet tubes for sterilization of the film. The film layer should then form into a tube.

- 3.3.2 Vertical seal: The film shall be overlapped and sealed into a tube by vertical electrode. The jaw should be of mechanical cam operated constant heating with temp indicator controller. The vertical jaw support shall be of SS 304. The vertical electrode winding rod support shall be of Aluminium and necessary slots are to be provided for easy cleaning
- 3.3.3 Downward feed: Downward movement of the film tube should be controlled by a set of rubber nip roller driven by a motor through a reduction gear unit and electro magnetic clutch break system. The nip roller support shall be of SS 304.
- 3.3.4 Injection system: The product from the float balance tank is passed through injection tube into the film tube. The filled quantity of the product in each pouch is controlled by opening of the valve at the lower end of the injection tube. The flow of product through injection tube in the pouches should be continuous and the sealing should take place through the product.
- 3.3.5 Horizontal seal: The horizontal sealing and cutting should take place at the same time by the horizontal electrode mounted on the fixed horizontal jaw. The jaw should be of mechanical cam operated constant heating with temp indicator controller.
- 3.3.6 Control panel: The machine should have touch screen HMI panel & the PLC based operation controls. The indicating lamps, electrical switches, control relays, solid state variacs, digital pouch counter, Hour meter etc. should be mounted in this panel. Only MCB's are to be used instead of HRC fuses. The machine shall also be equipped with single phase 5 Amps and 15 Amps adaptors. Facility to transfer pouch totaliser data from PLC to the computer shall be provided.
- 3.3.7 Drive system: The machine shall be equipped with dual servo motor drive assembly to control the precise pouch length of individual head separately.
- 3.3.8 **Photo mark Scanner**: The machine shall be provided with photocell on each head with all mounting arrangement to control the length of the pouch.
- 3.3.9 The machine shall also have with the following features:
- Auto operation facility shall stop the machine and audiovisual alarm should be provided if the film roll is exhausted.



- The machine should stop automatically if any obstacle comes in between horizontal jaws.
- Emergency switch to stop the machine shall be provided on front side of the machine.
- The machine should stop if the front door or back door is open
- The static electricity eliminator shall be provided on the machine
- The machine should stop automatically for milk ending and also for the vertical film shift ,overlap of film
- Quick change of milk quantity through HMI
- Milk temp. indications with machine parking interlock if milk temp goes outside set range.
- Heating element failure linked alarm generation with interlock facility to stop particular head of the machine.
- - Date coding device: It shall be heat embossing type, 12 characters with each character of 3 mm height and facility to accommodate digits.
 - Voltage stabiliser for the machine

3.3.10 Facility to insert a closed circuit in place cleaning system for the machine shall be provided. The CIP adaptors and hoses are in the scope of supply.

3.3.11 Pouch Collection Tray: Suitable tray supported on frame made out of AISI 304 material for collecting packed pouches to be supplied. Pouches coming out of machine will be collected in this tray prior to putting into crates.

3.3.12 Mounting Stand: The machine should be mounted on SS stand of four legs & suitable height to match with existing machines for smooth operations. Stand should be made out of AISI 304 material.

3.3.13 Film roll loading System: Suitable manual film roll conveyor to be supplied for transport & loading of film roll to the machine.

3.3.11 Tools: Essential special tools should be supplied with the machine.

4.0 Other Requirements

4.1 The supplier should prepare the detailed general assembly drawing showing plan, elevation, end view and cross sectional view of the machine with complete bill of materials. The GA drawings for electrical control panel with detail bill of materials shall be provided.

4.2 Two set of operation and maintenance manual and all drawings shall be supplied with the machine.

4.3 The technical literature of the pouch-filling machine shall be enclosed along with the offer.



4.4

The supplier should furnish along with the offer the following details in absence of which the offer will be treated as incomplete.

Capacity of machine	----- Packs/Hr
Accuracy of filling	
Leakage %	
Weight & dimensions of the pouch filling machine	
Utility consumption:	
a) Electrical power	Connected ----- KW During operation ----- KW
b) Cooling water	----- LPH at ----- Deg.C

5 Commissioning & Performance trials:

The supplier has to depute their service personal to the project site for commissioning and demonstration of the performance parameters of the machine. During the commissioning period, necessary training shall be imparted to the plant personnel regarding its operation and maintenance aspects.

6 Statutory Requirement:

The pouch-filling machine shall be duly stamped by the weight and measure department and the test certificate shall be submitted by the supplier.