



**THE TELANGANA STATE DAIRY DEVELOPMENT
CO-OPERATIVE FEDERATION LIMITED**
Milk Products Factory, Lalapet, Hyderabad-500 017.



Milk pouch film

TECHNICAL CUM COMMERCIAL TENDER

For Purchase of Milk Pouch Film

On Rate Contract Basis for the year 2016-18

PART-I

TECHNICAL TENDER

1. Sale of tender documents : 17.12.2016 up to 5.00 pm
2. Last Date for submission : 19.12.2016 up to 1.00 pm
3. Date of opening : 19.12.2016 3.00 pm onwards

of Technical tender

Tender sold to : M/s.



**THE TELANGANA STATE DAIRY DEVELOPMENT
CO-OPERATIVE FEDERATION LIMITED**

Milk Products Factory, Lalapet, Hyderabad-500 017.



**TECHNICAL CUM COMMERCIAL TENDER FOR THE PURCHASE OF
CO-EXTRUDED PRINTED- MILK POUCH FILM ON ANNUAL RATE CONTRACT BASIS
FOR**

THE YEAR – 2016-18

Index of contents

Sl. No. Details

PART-I

TECHNICAL TENDER

1. Technical cum Commercial Tender Notification
2. Declaration to be issued by the Tenderer
3. Technical-cum-Commercial Tender Terms & Conditions along with Earnest Money Deposit & Security Deposit Schedule.
4. Particulars of Tenderer, Plant, Machinery and other Data on the Firm
5. Technical specifications, sampling, testing and analysis, penalties etc.

PART-II

COMMERCIAL TENDER

1.Price quote:

SIGNATURE OF THE TENDERER.



**THE TELANGANA STATE DAIRY DEVELOPMENT
CO-OPERATIVE FEDERATION LIMITED**
Milk Products Factory, Lalapet, Hyderabad-500 017.



TENDER NOTIFICATION

Tender Notification No. 83/DMM/Stores/2016-18

Dt:09.12.2016

Sealed Tenders are invited from the Manufacturers for the purchase of following materials on **Annual Rate Contract basis for the year 2016-18.**

I. Co-extruded Milk pouch film Single color / Two color / Three color for packing milk (Technical & Commercial Tenders)

- 1) Sale of Tender schedules from: 17.12.2016 up to 5.00 pm
- 2) Last date for submission of Tenders is 19.12.2016 upto 1.00 PM

and Technical Tenders for Milk Pouch Film will be opened on 19.12.2016 at 3.00 pm onwards.

The undersigned reserves the right for postponement or cancellation of tenders without assigning any reasons thereof. Cont No. 9515060729,

Sd/-
Managing Director,
T.S.D.D.C.F Ltd
Lalapet, Hyd-017

TECHNICAL-CUM-COMMERCIAL TENDER TERMS & CONDITIONS

1.0 INVITATION FOR TECHNICAL-CUM-COMMERCIAL TENDER:

1.1 The Milk Products Factory, TSDDCF Ltd., Lalapet, Hyderabad-017, invites sealed Technical-Cum-Commercial Tenders from reputed manufacturers for supply of Single/Two/Three Layer Co-extruded printed milk pouch film packing material on "Annual Rate Contract Basis" for the year 2016-18 for MPF, Hyd.

1.1 In case of any clarifications sought by the Tenderers, the same will be clarified during the Pre-bid conference held between 11-30 PM to 1.00 PM on _____ in the chambers of General Manager, MPF, Hyd.

1.3 The tenderer should invariably furnish the break up for the rate quoted as mentioned in the price quote schedule of the commercial tender.

1.4 Tender schedule is not transferable.

1.5 Incomplete Tenders shall be summarily rejected.

2.0 The Tenderer is expected to study the tender documents & understand all instructions, specifications, terms and conditions. Failure to furnish all the information required as per the tender documents or submission of a tender not responsive to the tender document in all respects shall be at the Tenderer's risk and may result in the rejection of Tender.

3.0 AMENDMENT OF TENDER DOCUMENTS

3.1 At any time prior to the dead line for submission of Tenders, MPF Hyderabad may for any reason whether, as its own initiative or in response to clarifications sought by a prospective tenderer can modify the part of tender documents by amendment/s.

SIGNATURE OF THE TENDERER.

- 3.2 The amendment shall be notified in writing in form of letter, fax or E-mail to all prospective tenderers to whom the documents are sold/dispatched as on the date of amendments.
- 3.3 In order to offer prospective tenderer the reasonable time to take the amendment into consideration MPF Hyderabad may at its discretion extend the deadline for submission of tenders.

4.0 TENDER QUANTITIES

- 4.1 The tentative Annual requirement will be around 2.0 MTs for MPF, Hyd. And the actual requirement / demand may vary from time to time and the supplies shall have to be effected with 20% variations plus or minus at the option of MPF. Hyderabad/ besides this, Milk Pouch Film is also required for various units in Milk Sheds of the Federation. The Tentative Annual requirement for the Federation milk sheds are as follows with 20 % variations plus or minus:

The Successful Tenderer should supply the requirement of Milk Pouch Film to the Milk Products Factory, Hyderabad as per monthly schedule. In the context of the material for requirement of the Milk Sheds, the successful Tenderer has to supply directly to the Units of the Milk Sheds as per the directions/orders of the Federation Units. The Tenderer is requested to quote accordingly as mentioned in the schedule-II of the Commercial tender (Price Quote).

SIGNATURE OF THE TENDERER

- 4.2 The quantities declared for tender are only estimated and liable for Variation.
- 4.3 MPF, Hyderabad does not guarantee or accept any responsibility for quantity declared in the tender.
- 4.4 The quantity that would be purchased from the selected tenderers depends on the quality & performance of material supplied.

5.0 PERIOD OF VALIDITY OF TENDER

- 5.1 The tenders submitted and the price quoted shall have to be valid for 90 days, from the date of opening of Commercial Tender.
- 5.2 In exceptional circumstances the MPF Hyderabad may in writing solicit the tenderer's consent to extend the period of validity of offer.

6.0 PRICE VARIATION

The composition of the Milk Pouch Film is LDPE/LLDPE in 50: 50 or other suitable ratio with or without other components to meet the quality and specifications. However, the following policy will be adopted in case of any price increase/decrease of the price of basic Raw Material granules,

The increase/decrease of the film cost based on the price of the basic raw material granules (50%LDPE (1005FY20-Reliance) and 50% LLDPE (Octene -O19010 – Reliance) will be allowed as per the price list of Reliance Industries, Hyderabad on production of documentary proof from time to time. The ratio of LDPE and LLDPE is taken at 50:50.

The basic Raw material price and date etc for LDPE and LLDPE (granules of above grades of M/S Reliance Industries Ltd) is considered for calculating the tender rate of the film shall be indicated along with the commercial tender.

6.1 PRICE: - Price has to be quoted giving break up as follows.

- I. Basic material cost (50% LDPE + 50% LLDPE + ED + Sales Tax(VAT/CST/GST(whichever is applicable))), this component may vary depending on the raw material cost.
- II. Processing charges including all expenses F.O.R MPF, Hyd, which is fixed throughout the contract period.

SIGNATURE OF THE TENDERER

6.2 a) Variations in statutory taxes will be applicable as imposed by the Government (State or Central) from time to time as per price list of M/s. Reliance Industries, Hyderabad on production of documentary evidence.

b) The price of present raw material costs with the proof as on date of submission of tender by the manufacture/authorized distributor shall be enclosed.

c) The revised prices shall be effective from the Eleventh (11th) day from the date of revision (Ex: for prices revised on 1st day of the month, the revised prices shall be effective from Eleventh (11) day of the same month.

7.0 THE EARNEST MONEY DEPOSIT & SECURITY DEPOSIT SCHEDULE

7.1 EARNEST MONEY DEPOSIT

Each Tender should be accompanied by a Demand Draft for a sum of Rs. 30,000.00 (Rupees Thirty Thousand only) towards the Earnest Money Deposit, it should be drawn on any Nationalized Bank payable at Hyderabad and it should be in favour of the Managing Director, TSDDCFLtd., Lalapet, Hyderabad. The same will be converted as part of the Security Deposit later on for the successful Bidder. **No other form of EMD remittance shall be accepted.**

7.2. Any tender without EMD shall be treated as non-responsive & shall be liable for rejection. No earlier EMD or performance Guarantee is transferable against present tender. Hence Submission of EMD is mandatory.

7.3 Un-successful tenderer's EMD shall be refunded as promptly as possible, but not later than 30 days after expiry of tender validity. The EMD shall not carry any interest.

7.4 The EMD is to protect the interest of MPF, Hyderabad against risk of tenderer's conduct, which would warrant the security and the Forfeiture.

SIGNATURE OF THE TENDERER

7.5 The EMD shall be liable for forfeiture:

a) If the tenderer withdraws the tender during the validity period of Tender, specified by MPF, HYD

OR

b) In case of successful tenderer after issue of Letter of Acceptance (LOA) fails to:

i) Execute the contract agreement & furnish the prescribed Security Deposit within the specified date

OR

ii) If the declarations in Technical Tender by the tenderer is found false / faulty.

8.0 SECURITY DEPOSIT

8.1 The Successful tenderers shall be required, before the award of contract, to furnish the security deposit Rs. _____ (Rupees _____ only) in addition to the EMD of Rs. _____ (Rupees _____ only). The E.M.D. And S.D. shall not carry any interest.

The Security Deposit as stipulated shall have to be remitted by the approved tenderer within 15 days from the date of receipt of acceptance letter by way of crossed Bank Draft drawn in favour of Managing Director, TSDDCF Ltd., Lalapet, Hyderabad on any Nationalized Banks.

Failure to comply with the condition shall make the tender liable for cancellation and forfeiture of Earnest Money Deposit.

SIGNATURE OF THE TENDERER

9.0 SIGNING OF TENDER DOCUMENTS

- 9.1 The tenderer shall submit the original Technical Tender & Commercial Tender duly signed and affixing the seal by the tenderer on each and every page of the Tender document having agreed the terms and conditions.
- 9.2 Any correction, overwriting in the tender document shall be attested by the tenderer or the authorized signatory by affixing the seal.
- 9.3 If there is any discrepancy between words and figures the lowest among the two shall be considered and same shall be final.

10.0 SUBMISSION OF TENDERS

- 10.1 Both Technical Tender along with prescribed EMD & Commercial Tender duly filled shall be submitted in two different Envelopes duly sealed and properly super scribed the matter over the Envelopes.

11.0 SUBMISSION OF SAMPLE

- 11.1 The Tenderer(New) should submit 20.0 Kgs of film as sample conforming to Tender specifications along with Technical Tender.
- 11.2 The samples to be submitted along with tender schedule, Non-submission of sample along with tender shall disqualify the tenderer from the participation.

SIGNATURE OF THE TENDERER

12.0 DEADLINE FOR SUBMISSION OF TENDERS

12.1 The Technical tender along with EMD in the form of Demand Draft & Commercial tender, complete in all respects should be submitted at the Specified address not later than the time & date specified for receipt of the tenders. The Tender Box to receive the Tenders is made available at the Deputy Material Manager's Office on the day of receiving the Tenders.

12.2 No telephonic / No Mail / fax tenders shall be considered.

12.3 The tenders received later than the time & date specified shall be returned to the Tenderer un-opened.

13.0 OPENING OF TENDERS

13.1 The Technical Tender shall be opened on the date/time at venue specified, in the presence of the tenderers or their authorized representative who opt to be present on the date/time at venue specified for opening of tenders.

13.5 The tenderers/authorized representatives present at the time of opening of tenders shall sign in the register evidencing their participation

13.3 Based on merits and details (Ex: Infrastructure, production a supply capacity etc.) furnished by the tenderer in Technical Tender & basing on the test results of sample/s submitted, the eligibility of tender for opening of Commercial Tender shall be decided by the General Manager, Milk Products Factory, Hyd. The other disqualified Tenders will be returned back to the Tenderers un-opened.

13.4 If the said date of the tender opening is declared as Holiday, the Tender shall be opened immediately on the next working day at the same time and place.

SIGNATURE OF THE TENDERER

- 13.5 The date for opening of Commercial Tender shall be intimated to the Technically Qualified / Eligible tenderers by letter/fax/ Mail / Telephonic.
- 13.6 If there is any discrepancy between words and figures the lowest among the two shall be considered and same shall be final.

14.0 EVALUATION OF TENDERS

- 14.1 Taking into consideration the Technical competence and the quoted price for the material specified quality, the tenders shall be evaluated.
- 14.2 Not withstanding anything contained in the tender schedule, no obligation is case on MPF to accept the lowest tender.
- 14.3 The Federation reserves the right to accept or Reject any or Part or all the tenders without assigning any reasons.

15.0 CRITERIA FOR AWARD OF CONTRACT

- 15.1 The MPF,Hyd may award the Contract to the tenderer whose tender has been determined to be substantially responsive to the tendering documents and who has offered the competitive price, provided further that, the tenderer has the required infrastructure, capability and the resources to carry out the contract effectively.
- a. MPF,Hyd Reserves the right to award the contract to one or more than one suppliers to safe guard its own business interest.
 - b. During factory inspection by MPF,Hyd inspection team before award of contract, if it is found that the declarations made by the tenderer in Technical Tender are false/faulty, the tenderer shall be disqualified & the EMD submitted shall be forfeited.

SIGNATURE OF THE TENDERER

- 15.2 MPF reserves the right to recover the direct losses and consequential losses if any, arising out of usage of material supplied by the approved Tenderer. The recovery of losses could be from both the present/pending / future bills of the Tenderer OR from the Security Deposit submitted by the tenderer.
- 15.3 MPF reserves the right to terminate the contract during the contract period without thereby incurring any liability to affected tenderer or any obligation to inform the affected tenderer on the grounds of MPF action.
- 15.4 The successful tenderers shall have to bear the Cylinder charges initially for MPF. Hyderabad and for subsequent additions, deletions and corrections in the printing matter, the cylinder Re-engraving charges shall be paid by the Federation for which the firm has to quote for the same as mentioned in the Commercial Tender. This shall be fixed price during the entire contract period / extension period. For Milk Sheds tenderer is requested to quote for the same if desired as mentioned in the Commercial quote schedule -II.

16.0 NOTIFICATION OF ACCEPTANCE OF TENDERER

- 16.1 Prior to expiry of the validity of the tender the MPF shall notify the successful tenderers in writing by Regd. Post / by courier / mail / Fax, that its tender has been accepted.
- 16.2 Notification of acceptance of Tender to successful Bidder shall constitute the formation of the contract.
- 16.3 After award of contract, if the contractor is proved not having the Infrastructure as declared in Technical Tender to produce & supply the quality packing material, the same shall be treated as Breach of Contract by the tenderer and the contract shall be liable for cancellation with penalty not less than security deposit specified for particular material.

SIGNATURE OF THE TENDERER.

17.0 TRANSFER OF CONTRACT

- 17.1 The contract is not transferable on any account whatsoever.
- 17.2 Any request for transfer of contract shall be treated as non-performance or breach of Contract and the EMD or SD, as the case may be, shall be liable for forfeiture.

18.0 VALIDITY OF CONTRACT

- 18.1 The validity of contract shall be for a period of one year from the date of approval.
- 18.2 The commencement of contract shall be from the date of issuance of the letter of acceptance and furnishing of prescribed security deposit.
- 18.3 MPF reserves the right to extend the contract for a period of 90- 120 days from the date of expiry of contract. For such extension the Annual Rate Contract price, terms and conditions shall be remain unaltered. The MD, TSDDCF Ltd, Hyderabad will issue extension orders in case it is needed.
- 18.4 MPF reserves the right for premature termination of all or any of the rate contracts & call for fresh tender without thereby incurring any liability to the affected tenderer or any obligation to inform the affected tenderer on the grounds of MPF action.

19.0 SIGNING OF AGREEMENT

- 19.1 After issue of Letter of Acceptance (LOA) to the successful tenderer, the MPF, Hyd shall send the prescribed format of agreement, which shall be executed within 15 days. The value of non-judicial stamp paper shall be not less than Rs. 100/-.

20.0 TAXES AND DUTIES

- 20.1 The price finalized for contract shall be destination basis, i.e. inclusive of Excise Duty, P&F charges, Taxes (ruling as on the date of finalization/award of contract).

SIGNATURE OF THE TENDERER.

- 20.2 In case of any variation in statutory levies like Excise Duty, Sales Taxes or VAT on finished product or raw material during the contract period, the same shall come into effect as per Government Notification and it should be to the account of purchaser only.
- 20.3 Any claim of tenderer / supplier for revision in Duty, Taxes & VAT should be supported by relevant Govt. notification/s.
- 20.4 Statutory recoveries if any shall be affected as per the Rules in vogue.

21.0 PACKING

- 21.1 The materials under dispatch shall be packed securely with standard, moisture proof packing, free from infection and parasites (mentioned in specifications)

22.0 INSPECTION & TESTS

- 22.1 The MPF shall have the right to test the goods to verify as to whether the material supplied conforms to the prescribed specifications/parameters.
- 22.2 Incase of quality dispute between MPF & the supplier, the goods are referred for testing to third party laboratory. In such cases, the testing charges shall have to be borne by the Supplier/tenderer Further, the test results of third party laboratory shall be binding on both MPF & tenderer.
- 22.3 Any loss / damages for the material during Transit will be to the account of supplier only.
- 22.4 The Tenderer will be informed about the rejection of the consignment within 15 days of the receipt of the consignment.
- 22.5 The Tenderer will make his own arrangements to clear at his cost such **rejected consignments** within 15 days from the date of intimation. The Milk Products Factory, Hyderabad shall not be responsible for any loss /damage and deterioration of quality of such rejected consignment not taken back in time.
- 22.6 If any film rejected due to substandard quantities their film rolls are cut by knife then only return to concerned firm besides imposing the penalty of 10% of the value of the of the film rejected. and further order quantity will be reduced. No payment shall be made to the rejected lot.

SIGNATURE OF THE TENDERER.

- 22.6 In the event of non-lifting of **rejected film** / consignment within 45 days of notifying such rejection, the entire lot will be disposed off through auction sale and the revenue will accrue to the Federation to cover the ware-house charges / rent.

23.0 GUARANTEE ON QUALITY OF GOODS

- 23.1 The supplier shall have to guarantee the quality of material Supplied, strictly as per specification of contract / purchase orders.
- 23.2 At random, the film samples may be subjected for testing at M/s. Reliance Industries Limited or Central Institute of Plastic Engineering Technology or at Milk Products Factory's Laboratory or at any other reputed laboratory in India. The test findings of these laboratories shall be final & binding for both MPF / and the supplier.
- 23.3 In case of adverse test results the same shall be treated as Breach of contract by the tenderer. Further, the consignment of film shall be liable for rejection, the rejected film shall be returned duly damaged to avoid its misuse and
- The Annual Rate contract of concerned tender shall be cancelled.
 - The Security Deposit shall be forfeited.
 - The concerned firm shall be banned from participating in future tenders.
 - All other Milk Federations in the country shall be informed about the conduct of the firm & its black listing by MPF,Hyd.

24.0 PAYMENT

- 24.1 100% Payment shall be released within 30 days on arrival of consignment, its quality evaluation and acceptance of film.
- 24.2 Out station payment shall be made by Demand Draft/ RTGS, the bank commission charges shall be to supplier's account.

SIGNATURE OF THE TENDERER.

25.0 DELAY IN PERFORMANCE OF SUPPLIER

- 25.1 Supply as per schedule is the essence of Contract. Therefore, the delivery of goods shall be made by the supplier in accordance with time schedule specified by MPF, Hyderabad.
- 25.2 In case of delay or non-supply by the supplier in the performance of its timely delivery obligations, shall render the supplier liable to any or all of the following actions: (a) imposition of penalty at the rate of 2% of the value of the material to be supplied for the day wise delay and also may termination of contract for default and forfeiture of security Deposit.

26.0 LIQUIDATED DAMAGE

- 26.1 If, supplier fails to deliver the ordered material in full/partly within the time period specified, the MPF shall without prejudices to its other remedies under the contract deduct from the contract price as liquidated damages a sum equivalent to :-

- 26.2 Difference of purchase price of contract goods from other/alternate source along with incidental expenses thereof.

- 26.3 Any incremental, duty /tax levied on account of delay in performance of contract by the supplier shall be to supplier account.

27.0 TERMINATION FOR DEFAULT

- 27.1 The MPF Hyderabad may without prejudices, to any other remedy, for breach of contract by the supplier terminate the contract in whole or in part by written notice of default to the supplier.

- 27.2 If the supplier fails to deliver any or all of the quantity specified / ordered.

- 27.3 If the supplier fails to perform any other obligation under the contract.

- 27.4 The MPF may at any time terminate the contract by giving written notice to the supplier without thereby incurring any liability, compensation to the effected tenderer.

SIGNATURE OF THE TENDERER.

28.0 DISPUTE

- 28.1 In case of any disagreement or dispute arising between MPF,Hyd & supplier in connection with the performance of contract, the MPF,Hyd and the supplier shall make every effort to resolve amicably by direct informal discussion. However, the decision of MD, TSDDCF Ltd., shall be final & binding on the supplier.

29.0 JURISDICTION

- 29.1 For settlement of any dispute, out of the contract against this tender/contract shall be subject to the jurisdiction of the Civil Courts situated in Hyderabad and Secunderabad.

30.0 FORCE MAJEURE

- 30.1 The contract shall be subject to the principles governing "Force Majeure". Neither party shall be considered in default in performance of its obligations, if such performance is prevented or delayed because of war, Hostilities, Revolution, Civil commotions, strike, Epidemics, Accidents, Fire, Wind, Flood, Earth Quakes, or because of law & orders, proclamation regulation or cause, whether of similar or dis-similar nature beyond the reasonable control of the party effected should one or either or the parties be prevented from fulfilling its exhausted obligation in a state of 'Force Majeure' lasting continuously for a period six month, the two parties should consult each other regarding the future implementation of contract.

31.0 INDEMNITY

- 31.1 The tenderer shall have to indemnify and also keep indemnified the MPF,Hyd against any or all damages or losses etc., caused to MPF arising from any omission or commission defaults of Tenderer / supplier. For which MPF shall not be responsible in any manner whatsoever.


General Manager, 9/12/16
MPF, Hyd



DECLARATION BY THE TENDERER

To
The Managing Director,
TSDDCF Ltd.,
Lalapet, Hyderabad – 500 017.

Date:

Sir,

Ref : **Technical-cum-Commercial tender Notification**
No. 83/DMM/MPF/Stores/2016-18, Dt. _____

* * * * *

With reference, I/We representing M/s. _____
 _____ participating for Annual Tender for supply of Milk Pouch Film,
 have read & understood the Technical & Commercial Conditions of Tender. As
 per basic requirement of Tender conditions, I am/We are herewith submitting
 the prescribed EMD in form of Demand Draft No.
 _____ Dated _____ of _____
 _____ Bank for Rs. _____ (Rupees _____
 _____ only) drawn in favour of The Managing Director,
 TSDDCF Ltd., Lalapet, Hyderabad.

Thanking you,

Name & address of the Firm

Signature of the Tenderer

Name:

Designation:

PS: The demand draft should be submitted along with technical tender

**PARTICULARS OF THE TENDERER: (PLANT, MACHINERY AND
OTHER DATA ON THE FIRM**

THE TENDER SHOULD FURNISH THE FOLLOWING INFORMATION INVARIABLY
ALONG WITH THE TENDER SCHEDULE (DOCUMENTARY EVIDENCE SHOULD ALSO
BE ENCLOSED FOR THE ITEMS MARKED as*)

1. Name of the supplier :
2. Telephone Nos. :
 - i) Office Nos. :
 - ii) Fax Nos. :
 - iii) Cell Nos. :
3. Factory Phone Nos. :
4. Location of the Factory :
5. Date of commencement of the
Factory
6. Date of commencement of
Commercial Production :
7. No. of Extruders available
In the factory and their make and
It should be Multi Layer. :
8. Please indicate (Small Scale Industry/
Self Employment/ special employment
Scheme as applicable) :
9. In case Partnership Firm
 - a) Whether it has been registered
 - b) if registered provide certificate, extract from the Registrar of firm.
 - c) Name of all Partners
 - d) Details of Partnership deed (please enclose copy of the same)

If proprietary concern, name and address of the Proprietor.
If Private/Public Limited Company, please enclose copy of Memorandum/Articles
Of Association.

SIGNATURE OF THE TENDERER

- *10. Whether availing tax exemption/concession under Government of TS./Government of India.
- *11. Firm Registration No.
- *12. CST No
- *13. VAT No.
- *14. Permanent Account No. of Income Tax
- *15. Name of the Bankers
- *16. The details of the excise circle under Which factory was covered
- *17. Latest Income Tax clearance Certificate for the last 3 years
- *18. The financial statement For the last 3 years duly audited
- *19. Solvency certificate for minimum of Rs.50.00 lakhs From a nationalized Bank or large reputed Scheduled commercial Bank.
- *20. Licensed installed capacity of the factory
21. Minimum and maximum quantities that can be Supplied in each month in case offer is accept Min :
Max :
22. Quantities of milk pouch film produced in the unit for the last 3 years and the details of quantities supplied of various organization with documentary evidence .Figures to be given for different microns (Enclose in a separate sheet)

SIGNATURE OF THE TENDERER

23. List of clients purchased milk pouch

24. Source of purchase and raw material film
for the last 3 years . for
the present production

25. Describe quality control organization
if any, and give the organization chart.

- a) are goods offered subject to batch test :
random sampling of full 100% test for quality
- b) are tests carried out by factory employees or by a separate testing agency.:
- c) are independent quality control organization:
checks made and certificates issued

26. Space available in the factory for
manufacture (in sq. meters) :

27. Space available for storage
(in sq. meters) :

28. Buildings are fire resistance
(mention yes /no) :

29. No. of skilled employees available in the factory :

30. No. of unskilled employees available in the factory :

SIGNATURE OF THE TENDERER

DECLARATION

The above information is true in all respects and we undertake to inform you if any change in the above particulars regarding our business from time to time.

The documentary evidence enclosed for the items mentioned "as(*)

Signature of Tenderer or Authorized Representative of the
firm under proper seal.

Name:
Designation:

**THE TELANGANA STATE DAIRY DEV. CO-OPERATIVE
FEDERATION LTD LALAPET, HYDERABAD**

**TECHNICAL SPECIFICATIONS, SAMPLING, TESTING AND ANALYSIS,
PENALTIES ETC. OF L.D.P.E/LLDPE FILM (CO-EXTRUDED) OF
SIX LITER MILK POUCH FILM**

1. GENERAL REQUIREMENTS:

The film shall be clean and opaque as may be required. The film should heat sealable and suitable for use in high speed from, filling and sealing machines. It must be LDPE and LLDPE co-extruded film, uniform in texture, thickness, width, finish and strength. The film must not show any handling marks. The film shall show no impression of handling on the surface of the film. The film shall have even and wrinkle-free surface. Static Electricity from the film should be removed. The film rolls should be protected against contamination.

i. CONSTRUCTION OF POLYETHYLENE FILM FOR MILK PACKING:

Co-extruded Three layers LLDPE blended, octane based Polyethylene opaque film, suitable for packing milk, printed as per **TSDDCF LTD** approved design on Flexographic printing machine using non-ethyl alcohol based and toluene free 100% food grade, should be with the following specifications: The film thickness should be 102-106 microns (uniform throughout the entire roll) and the film width should be.

Item	Remarks
LDPE Film (Spl. grade) - 3 layer co-extruded -102-106 microns – CI Flexo printing .	The minimum yield of film should be 40 packets of 6 litre /Kg for 595+2mm pouch width .The film weight 40 kg and core shall be of 1.8 to 2.0 kg for easy loading in the filling machine.

ii. FILM STRUCTURE:

The film shall be made out of virgin polythene LDPE & LLDPE blend there of film meeting the food grade requirement in IS-10146 & IS-10141. The pigment used shall be from those listed in IS:9833-1981.

iii. MATERIAL:

Three layer co-extruded white pigmented polyethylene blown film for milk packaging manufactured from food grade, virgin and non-toxic raw materials. The packaging material to be manufactured under hygienic and controlled environment and shall be free from dust, dirt, extraneous materials, pinholes and printing related defects. Edges and surface of the packaging material shall also be free from cuts, wrinkles, holes, tears, blisters, static charge and extraneous odour.

2. SPECIFICATIONS

- a) The film shall be supplied in rolls weighing 40Kg+/-2Kg including the weight of core on which it is rolled / wound.

b) CORE:

Core should be strong and made from properly compressed paper having smooth surface with the identification marks of the company stamped/printed on it. Weight of the core: 1.8 to 2.0 kg

c) THICKNESS OF THE MILK POUCH FILM.

6 litre milk pouch film : 102-106 microns

d) TENSILE STRENGTH:

The tensile strength at break when tested as prescribed in A-4 of IS: 2508-1984 for all polyethylene films shall not be less than 220 kgf/ Sq.cm in length wise direction and 200 kgf/ Sq.cm in crosswise direction.

e) ELONGATION AT BREAK:

The elongation at break when tested as prescribed in A-4 of IS:2508-1984 for various thicknesses of polyethylene film shall not be less than the following values

<u>THICKNESS OF FILM</u>	<u>ELONGATION AT BREAK, (MINIMUM)</u>	
	<u>LENGTHWISE</u> (PERCENT)	<u>CROSSWISE</u> (PERCENT)
102-106 Microns	450	600

f) DART IMPACT RESISTANCE:

The film shall confirm to Dart Impact Resistance test. The Impact load of polythene film when tested by the procedure given in A-6 IS: 2508-1984 obtained from a drop height of 66 cm shall not be less than 3.5 g per micron.

g) WIDTH:

The width of the film shall be 595+ 2mm. No minus tolerance is allowed.

h) SLIP (COF): Shall be Max.025**i) ODOUR:**

The film shall be free from any extraneous odour or smell. All batches of film shall be tested for presence of any odour before acceptance by the Plant.

j) SEALING PROPERTY:

The film shall have good sealing property for vertical and horizontal sealing.

k) MIGRATION:

Representative samples of pouches shall be subjected to overall migration tests with hexane or other suitable simulating solvents given in IS:9845- 1981. The maximum extraction values, shall be below the specified value for the contact layer material given in the Indian standard on that plastic material.

l) CORONA TREATMENT:

It shall be ensured that at least 15/20mm space on both edges of the milk is left untreated to ensure better vertical sealing of milk pouch film on FFS machine. However, at the same time it also ensured that printed area remains fully treated to avoid ink peeling off problem

S. No.	TEST DETAIL	Unit	3 Layer 120-106 microns Milky White LDPE Film (Special Grade) CI Flexo Printed
1	Appearance	-	White, smooth & even finished, free from pin holes & foreign material.
2	Printing	-	As per approved art work
3	Capacity	-	6 litre
4	Thickness	Micron	102-106
5	Width	MM	595+2
6	Dart Impact (Height 66cms)	gf	370 gf.
7	Tensile strength	kg/cm ²	-
	Machine Direction		220kg /cm sq
	Transverse Direction		200kg /cm sq.
8	Elongation at break	%	-
	Machine Direction		450%
	Transverse Direction		600%
9	Titanium Dioxide	%	Minimum 2.00%
10	Drop Test		Should Pass
11	Leak Test		Should Pass
12	Print Stability Test		Should Pass
13	Packing		Rolls should be wrapped in polythene film and packed in 3-ply corrugated carton with packing slips.
14	Yield (Number of Packets)	Per Kg	Minimum of 40 packets for 6 litre pack size with width of the pouch 595+2 mm

3. WEIGHT OF ROLL:

The net weight per roll would be $40 \pm 2\text{kg}$.

4. CONSTRUCTION:

The pouches shall be formed, filled and sealed on the form, fill and sealing machine, leaving adequate head space in the pouch for filling and sealing operation. The width and length of the pouch shall be according to the dimensions of forming and sealing system.

5. WINDING AND PACKAGING:

The packaging material reels shall be supplied with 76 mm diameter paper core suitable for mounting on the packaging machine. The winding shall be with proper tension, uniform and without any telescoping. The reel, after wrapping in polythene film cover, shall be packed in a 3 ply corrugated carton or stretched wrap as may be suitable to withstand handling and long distance transport. The weight of the rolls should not be more than 40 ± 2 Kgs each including that of the core.

6. FINISH:

The film shall be uniform in texture and finish. The film shall be free from pinholes, streaks, and particles of foreign matter, Organic or inorganic foreign matter, gauge variation bands and un-dispersed raw material. There shall be no other visible defect, such as, holes, tears or blisters. The film shall show no impression of handling on the surface of the film. The film shall have even and wrinkle-free surface.

7. PRINTING:

The film shall be printed in 1-4 colors as per the Artwork design furnished. Printing shall be neat and clean without any defects and ink for printing shall be Non-toxic, food grade and it shall conform to all applicable food regulations.

8. FILM FORM & WINDING:

The film shall be supplied in rolls weighing not more than 40 Kg $\pm$ 2 including core on which it is wound. The film shall be wound on the core uniformly and with proper tension giving a perfect and trimmed edge. The core shall be made from properly compressed paper tube or plastics with smooth surface. The film roll would be packed in the manner to prevent any telescoping of the film layers and securely packed against transit damages. Each roll shall be packing in polythene covers struck with tape. Further, these rolls shall be packed in 3 ply corrugated fiber board boxes(CFB) in a manner so that film is not damaged during transit and storage.

9. MARKING:

The following information should be marked legibly on each roll of the film supplied.

- a) Name, Type and Thickness of the film.
- b) Name and Address of the Manufacturer.
- c) Net and Gross weight.
- d) Serial No. and Date of Manufacture.
- e) Place to which the rolls are supplied.
- f) Packing slips should be affixed inside the core with all the weights including the empty core weight.

10. CURVATURE:

The film shall remain straight when unwinded from the roll and the centre drive should not deviate by more than 12 mm in 3 meters length.

11. CORE AND WINDING:

The film should be winded on stronger paper core having Internal Diameter 76mm and outer diameter 90 mm. The winding on core shall be uniform with proper tension to give a perfect and trimmed edge, without any telescoping of film layers. The core shall not collapse during use.

12. STORAGE CONDITIONS:

- 12.1 Cool (normal room temperature)
- 12.2 Dry (< 60% R.H)
- 12.3 Practice F.I.F.O (first in first out) system
- 12.4 Keep wrapped until ready for use
- 12.5 Storage on pallet away from sunlight, water, dust and insect.

13. Sampling: The sampling method adopted for testing the polyethylene film shall be as per IS:10146-1982 /IS:11805-1989.

14. Method of inspection and testing:

- a) Immediately on receipt of co- extruded printed milk pouch film 10% of the rolls received will be weighed at random and if the weight noted on the packing tallies positively, with the weighment observed, the total quantity as noted in the delivery challan will be acknowledged. If the actual weight of the 10% rolls is less than the notified weight on the packing, proportionate deduction based on average weight of 10% rolls will be made on the balance 90% rolls, and on that basis the quantity received will be determined.
- b) From each consignment 2% of the film rolls subject to a maximum of 10 rolls will be picked up at random by the representative of the quality control section and one metre of film from each roll will be cut and weighed for substance test to determine the average thickness. Gauge meter /Micro meter will also be used for testing the thickness of the film.

15. CERTIFICATE:

The granules used for making the film should be virgin, food grade and non-toxic. A letter shall have to be furnished by the manufacturer with each consignment, certifying that the granules used for the manufacture of the co-extruded film are virgin, food grade and non-toxic. Submitting the in house testing lab report and Migration Certificate from CIPET for each consignment.

16. TESTS:

The samples will be tested at M/s CIPET or Indian Institute of Packaging Hyderabad for LDPE/LLDPE (OCTENE) combination parameters.

The following parameters will be tested by the above agency. The test results given by the agency will also be the basis for selection /rejection of bids. Only such of the samples conforming to the Technical Parameters in the testing will be considered for the next level of plant testing at Dairy of Federation. The testing fee incurred for the test at the above lab to be borne by the Bidder and hence an amount of Rs 25,000/- to be paid online along with the EMD amount specified. The testing fee so collected is not refundable.

17. LEAK TEST: (IS 11805: 1989)

The filled pouches after filling with milk at about 8°C and sealing shall not show any leakage when subjected to a uniformly distributed load of 30kg for 6 litre pouch kept in flat position for 10 minutes with the side seal on top.

18. DROP TEST: (IS 11805: 1989)

Sixteen samples of filled pouches shall be taken at random from the filling line. The temperature of the filled pouches shall be maintained within $\pm 2^{\circ}\text{C}$ of the filling temperature of the milk.

Sample pouches drawn from the machine as above shall be dropped from a height of 1.2 metres on a flat. Smooth surface. Each pouch shall be dropped four times in the following sequences:

- a) On flat side b) On opposite side c) On flat longer edge and
- d) On opposite longer edge

The samples shall be deemed to have passed if not more than 4 pouches burst.

19. PRINTING INK TEST (IS: 11805: 1989).

Immerse a printed piece of film in milk and leave it for 12 hours in it at a temperature of about 8°C. After removing the film from the milk wipe it with a cloth to dry it. Rub the printed surface with tissue paper gently by hand. The ink removed from the print shall not be to the extent so as to reduce the printed matter not readable after the test.

20. INK FASTNESS:-

Press a piece of adhesive tape on the printed film sample and leave it for 15 seconds, remove the tape by pulling slowly at about 90 deg. To the surface, there shall be no significant removal of the printed matter. The ink shall not bleed or spread. The printing should be neat and clear. The printed ink shall not get transferred to the barrier tape during packing of milk.