

**VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD.**  
**PATNA DAIRY, PATNA**

PH. NO: 0612- 2252542, 2252553, 2251622

Email: [vpmunin@gmail.com](mailto:vpmunin@gmail.com)  
[vpmu.pur@gamil.com](mailto:vpmu.pur@gamil.com)

FAX NO: 0612-2250325

Website: [www.patnadairy.org](http://www.patnadairy.org)

**NOTICE INVITIG TENDER**

(Through e-procurement mode only- [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in))

**Tender Notice No: VPDUSS/PUR/ARC/18-19/4478**

**Date: 27.11.2018**

For and on behalf of Bihar State Milk Co-operative Federation Ltd (COMFED) and its affiliated Milk Unions, online tenders are invited from reputed Manufacturer/ Authorized dealer/ Agents for supply of following materials/ items on **Annual Rate Contract** basis for 12 calendar months to different dairies located in Bihar & Jharkhand and also for plants in Delhi.

1. Polyethylene film for packing Milk, Ghee and Lassi.
2. Plastic Pouch Crate.
3. Insulated Boxes.
4. Eutectic Pads.
5. Plastic Pallets.

Details of Tender Serial No. **01** to **05**, Earnest Money, Cost of tender documents, Specification of items, General Terms and Conditions may be seen and tender document may be obtained through website [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in)

**Tender Programme:**

Sl. No.	Activity	Duration
1.	Online Sale/Download date of Tender documents	From 04.12.2018 To 26.12.2018 (17:00 Hrs.) ( <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> )
2.	Pre-Bid Conference	14.12.2018 at 11.00 Hrs. (Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd., Patna Dairy, Patna – 801505)
3.	Last Date/Time for submission/ uploading of offer/Bid	Till 28.12.2018 up to 17.00 Hrs. ( <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> )
4.	Submission of Cost of Tender Document & EMD in Hard Copy/Original	31.12.2018 up to 17: 00 Hrs. (Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd., Patna Dairy, Patna – 801505)
5.	Date & time for opening of technical bid	04.01.2019 at 11: 00 Hrs. ( <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> )
6.	Date, time and place of opening of Financial Bid	Will be informed later to technically cleared bidder. ( <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> )

For support related to e-tendering process, bidders may contact at following address “e- Procurement HELP DESK, First Floor, Plot No.- M/22, Road No.-25, Sri Krishna Nagar, Bank of India Compound, Patna-800001, Contact No: 0612-2523006; 7542028164”. Vendor may visit the link “Vendor Info” at [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in)

The undersigned reserves the right to reject any tender or all tenders without assigning any reason thereof.

**Managing Director**

**VAISHAL PATLIPUTRA DUGDH UTPADAK SAHKARI SANGH LTD.**  
**PATNA DAIRY, PATNA**

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Sl. No.	Name of Project & Scope of work	Earnest Money	Fees payable (Rs.)	
1.	Polyethylene Film for Packing Milk, Ghee & Lassi	Rs 200000/-	1000.00 (Cost of Tender Form Fee Non-Refundable)	1,180.00 (Tender Processing Fee/Belton Fee to be paid only through e-payment- Non refundable)
2.	Plastic Pouch Crate	Rs 150000/-	1000.00 (Cost of Tender Form Fee Non-Refundable)	1,180.00 (Tender Processing Fee/Belton Fee to be paid only through e-payment- Non refundable)
3.	Insulated Boxes	Rs 50000/-	1000.00 (Cost of Tender Form Fee Non-Refundable)	1,180.00 (Tender Processing Fee/Belton Fee to be paid only through e-payment- Non refundable)
4.	Eutectic Pads	Rs 25000/-	1000.00 (Cost of Tender Form Fee Non-Refundable)	1,180.00 (Tender Processing Fee/Belton Fee to be paid only through e-payment- Non refundable)
5.	Plastic Pallets	Rs 50000/-	1000.00 (Cost of Tender Form Fee Non-Refundable)	1,180.00 (Tender Processing Fee/Belton Fee to be paid only through e-payment- Non refundable)

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- Bid Validity – 90 days
- For support related to e-tendering process, bidders may contact at following address “**e-Procurement HELP DESK, First Floor, Plot No.- M/22, Road No.-25, Sri Krishna Nagar, Bank of India Compound, Patna-800001, Contact No: 0612-2523006; 7542028164**”. Vendor may visit the link “Vendor Info” at [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in)
- The Vaishal Patliputra Dugdh Utpadak Sakhari Sangh Ltd., Patna Dairy, Patna – 801505 reserves the right to reject any tender or all tenders without assigning any reason thereof.
- Tender Processing Fee is mandatory to be paid through **online mode only** i.e. Internet Payment gateway (Credit/Debit Card), Net banking, NEFT / RTGS.”
- The bidder may submit tender for one or more items, however they are required to submit separate tender for each item and the applicable fees and EMDs for each item are to be submitted separately.
- "Bids along with necessary online payments must be submitted through e-Procurement portal [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in) before the date and time specified in the NIT. The department doesn't take any responsibility for the delay/ Non Submission of Tender/ Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic / Holidays or any other reason."
- Detailed N.I.T can be seen on website- [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in). Or [www.patnadairy.org](http://www.patnadairy.org)
- **Corrigendum/ Addendum, if any, will be published on the website itself.**

Managing Director

## **Bidding Information**

### **(A) Criteria for Qualification to the Bidders**

1. The bidder should be manufacturer, authorised dealer, / authorised agent of manufacturer of the materials/ items notified in the tender notice. The bidder should be registered under company act 1956, partnership firm, Pvt. Ltd. Firm, NSIC with all statutory provision like E.P.F., GST, Income tax, Labour license and Electrical license etc. as the case may be Documentary proof to be furnished.
2. The bidder should have attached the experience in manufacturing and supply of items/ materials for at least 3 years.
3. Bidder should enclose detailed statement showing P.O. Nos., Purchaser's name, Contact Person & Mobile Numbers / Emails, Item and Value of supplied items executed during last one year.(copies of major P.O.s may be enclosed)
4. Bidder shall mention the PAN and TAN number of the firm and to support this, he/she shall enclose copies of PAN & TAN certificate.
5. Bidder shall be registered with Sale Tax Department. (Please mention GST numbers and enclose copies of certificates).
6. Bidder should mention factory License No. (Please enclose copy of Registration Certificate and License)
7. Bidder should mention the Turnover of last three years. Please enclose scanned copies of Balance sheet & Profit and Loss A/c duly signed by Chartered Accountant and or a Certificate issued by CA confirming the Turnover for the last 3 years.

<b>Sl. No.</b>	<b>Name of Project &amp; Scope of work</b>	<b>Turnover (Rupees)</b>	<b>Bank Solvency (Rs.)</b>
1.	Polyfilm for Packing Milk, Ghee & Lassi	Rs.10.00 Cr	2.00 Cr
2.	Plastic Pouch Crate	Rs.3.00 Cr	1.00 Cr
3.	Insulated Boxes	Rs. 0.50 Cr	0.20 Cr
4.	Eutectic Pads	Rs.0.25 Cr	0.10 Cr
5.	Pallets	Rs.0.50 Cr	0.20 Cr

Abb. Cr = Crore

8. Bidder should enclose Bank Solvency Certificate issued by Bank confirming the solvency amount required for the tendered items / materials. ( Please enclose scanned copy)
9. Copy of Affidavit regarding any litigation, debarred or blacklisted or history of rescinding work, no near relatives in the COMFED Dairies and the information's furnished in the bidding document is correct, may be enclosed.

10. Bidder should enclose brochure of the company, showing infrastructure, production capacity, machinery details and technical details.
11. Bidder should mention and enclose Copy of registration with NSIC/Central or State Govt. Department/Local bodies for similar work.
12. The bidder agrees to supply the items or materials as per our required specifications.
13. Submitted documents shall be numbered and attached serially indicating serial number.
14. ISO certified company shall be preferred to others. A copy of valid license/ certificate shall be attached to this effect.
15. The officers of Dairy/Milk Union shall be allowed to inspect the works and/or any document referred to in the tender. If it is found that the declarations made by the bidder in Technical Bid are false/ misleading/faulty, the bidder shall be disqualified and the earnest money deposit submitted shall be forfeited.

(B) Validity of bid shall be 90 days from the date of opening of tender.

(C) For each item/ material, specified Earnest money Deposit and Cost of Tender Fees shall be deposited through separate Demand Draft only in favour of ‘**Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd.**,’ Payable at Patna. The scanned copy of Demand Draft is to be submitted along with bid and the original Demand Draft is to be sent to the **Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd.**, Patna Dairy, Patna – 801505 within the date specified in the tender programme.

(D) Tender Processing Fee for each item/ material is mandatory to be paid through online mode i.e. Internet Payment gateway (Credit/Debit Card), Net banking, NEFT / RTGS.”

**(E) General Instructions**

- 1) "Bids along with necessary online payments must be submitted through e-Procurement portal [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in) before the date and time specified in the NIT. The department doesn't take any responsibility for the delay / Non Submission of Tender / Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic / Holidays or any other reason."
- 2) Bidders/contractors can access tender documents on the website and must fill them and submit the completed tender documents in the electronics form on the website itself. Bidders/contractors shall attach scanned copies of all required papers, DD and certificate as required in the eligibility criteria. All the uploaded documents shall have the signature of bidders or their authorized signatories. The scanned copies should be of the original papers and certificates.
- 3) For support related to e-tendering process, bidders may contact at following address “**e-Procurement HELP DESK, First Floor, Plot No.- M/22, Road No.-25, Sri Krishna**

- 4) In the unlikely event of the server for [www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in) being down for more than two consecutive hours (in the period from midnight to closing time for receipt of tenders) on the last date of receiving of bid, the last date of the same shall be extended by concerned authority only to the next working day till the last receiving time stipulated in the original NIT.
- 5) The bidders are requested to check their file size of uploaded documents at the time of submission & they should ensure that work file is uploaded. If they feel that the complete file is not uploaded then they should click on cancel & update the same before submission. The bidders should satisfy themselves of download ability/visibility of the scanned & uploaded file by them.
- 6) The bidders must use MS Office- 2003 version. File size should be less than 5MB and should be in M.S. word, M.S. Excel, PDF and JPEG Formats.
- 7) No claim shall be entertained on account of disruption of internet service being used by bidders. Bidders are advised to upload their bids well in advance to avoid last hour's technical snags.
- 8) In exceptional circumstances, the competent authority, VPDUSS Patna may solicit the Bidder's consent to an extension of the period of validity.
- 9) Bids that are rejected during the bid opening process shall not be considered for further evaluation, irrespective of the circumstances.
- 10) The bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats given for respective tenders in e-Procurement website at the respective stage only. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids and other certificate /documents in the e-Procurement web site. The bidder shall sign on the supporting statements, documents, certificates, uploaded by him, owning responsibility for their correctness /authenticity.
- 11) Bidders are advised to check the website for Corrigendum/ Addendum, if any, will be published on the website itself.
- 12) 'Vaishal Patliputra Dugdh Utpadak Sahkari Sangh Ltd.' (VPDUSS) reserves the right to waive minor deviations which do not materially affect the capability of the Bidder or constituents of consortium to perform the contract.

**Managing Director**

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**TENDER No. 01**

**POLYFILM FOR PACKING MILK, GHEE & LASSI**

**Approx. Quantity:**

i) Milk/ Lassi Poly film:	2200 MT
ii) Ghee Poly Film:	110 MT

**(1) SPECIFICATIONS :-**

**SPECIFICATIONS FOR MILK POLYETHYLENE FILM**

**A. (i) For Milk film**

The three layer multi colour printed milk film shall be manufactured by co-extruding the fifty-fifty percent blend of virgin LDPE indothene granule of RIL grade 1005FY20 and LLDPE 019010 grade meeting the **food grade** requirements as given in IS:10146-1982 and IS:10141-1982. The pigments, if used any shall be from those as listed in IS: 9833-1981. The thickness of the film shall be such that it meets the leak test and drop test requirements as mentioned in clause "D" and adhere to BIS codal provisions under IS:11805:1989 and other relevant adjunct codal provisions of BIS.

LDPE grade 1005FY20 shall have MF1 0.4 to 0.7 gm/10 min, density 0.921 to 0.923 gm/cc, with adequate slip agent and anti-blocking agent, whereas the LLDPE grade 019010 shall have the nominal MF1 1.0 gm/10 min, density 0.918 to 0.920 gm/cc with slip and anti blocking agent. Average density of poly film will be taken as 0.92 for calculation purposes.

**A. (ii) For Ghee Film**

LDPE/LLDPE/HDPE white pigmented three coloured printed film for packing 200ml/gm and 500ml/gm ghee. Thickness of film shall be 100  $\pm$ 5% micron width 323 (+2/-0) mm printing shall be done on rotogravure/flexo machine as per our approved design.

The polyethylene film shall be suitable for packing pasteurized liquid Milk/Lassi/Matha/Ghee on FFS machine. Film shall be printed as per the sample/approved design provided by COMFED/ Unions.

B. The film rolls shall be thoroughly protected against contamination and manufactured to meet hygienic standards laid down for Food Processing Industries and packed in strong cardboard cartons. The rolls shall be thoroughly wrapped either in thick quality brown paper or in

polyethylene liners for protection against dust and dirt. Packed cartons shall be clearly labeled with the following information :-

1. Name, type and thickness of the film
  2. Name and address of the manufacturer
  3. Net and gross weight
  4. Batch no. and date of manufacture
- C. The printing ink used shall also be suitable for use in packing food materials meant for human consumption and conform to the relevant Food and Drugs regulations. The ink should be non-ethyl alcohol based and toluene free.
- D. Besides, above mentioned criteria, the polyethylene film shall also conform to the following.

- i. Film thickness shall be 55 microns  $\pm$  5% for 200 and 500 ml milk pouches and 60 microns  $\pm$ 5% for 1000 ml milk pouches.
- ii. Film width shall be 323 (+2/-0) mm
- iii. Tensile strength at break: - when tested as prescribed in A-4 of IS2508:1984 for all polyethylene films shall be not less than 15.69 MN/m<sup>2</sup> in length wise direction and 13.73 MN/m<sup>2</sup> in crosswise direction.

- iv. Elongation at Break: - when tested as prescribed in A-4 of IS2508:1984 for various thicknesses of polyethylene film, shall be not less than the following values:

Thickness of the Film	Elongation at Break, Min	
	Lengthwise (Percent)	Crosswise (Percent)
From 40 $\mu$ m up to but not including 75 $\mu$ m	200	400
75 $\mu$ m and above	300	500

- v. Dart impact Resistance: -The impact failure load of polyethylene film when tested as prescribed in A-6 of IS2508:1984 obtained from a drop height of 66 cm shall be not less than the values given below:

Thickness of the Film $\mu$ m	Impact Failure Load Min N (gf)
40	1.00 (100)
60	1.50 (150)
80	1.95 (195)
100	2.45 (245)

Note: - values for impact failure for intermediate thickness may be obtained by interpolation.

- vi. Slip: - The kinetic Co-efficient in friction for the film, when tested in accordance with A-7 of IS 2508:1984 shall not be greater than 0.25.

E. **Core and Winding**

The film shall be wound on strong paper core having 70 mm inner dia and maximum dia of wound roll shall not exceed 500 mm. The film shall be wound on the core uniformly with proper tension and printed surface should remain outside.



F. **Weight per roll**

The net weight per roll shall not be less than 18 kgs and not more than 22 kgs. Total number of joints per roll shall not exceed two in any case.

G. **Perfect Edge**

The film rolls shall be packed in a manner to prevent any telescoping of the film layers. These shall be securely packed against transit damages.

H. **Curvature**

The film shall remain straight when unwound from the roll and the center drive shall not deviate by more than 12 mm in thirty meters length of the film.

I. **Strength of film**

The film shall not stretch easily under normal tension and shall not show any uneven bulge on the sachet pack during drop test.

J. The film shall be supplied in natural/pigmented colour as specified in order with printing only in the central portion as per samples/design provided. Treatment shall be restricted to the printing zone only as far as practicable. Colours for printing shall be as indicated in the purchase order and conforming to M/s Coats India shades on natural base.

K. Notwithstanding anything given in the specifications, the film shall perform the purpose required of it in the most efficient manner and leakage shall not exceed 1% cumulative on all accounts i.e. during packing, storage and transportation. Deduction @1% shall be made for losses up to 2%. If such losses go up to 3%, then deduction in terms of money shall be made @5% in addition to deduction for higher thickness.

L. The film shall be clean and transparent/opaque as the case may be. It shall be uniform in texture and finish. The film shall be free from pinholes, streaks, particles of foreign matter, un-dispersed raw material and insects. There shall be no other visible defects such as holes, tears or blisters. The edges shall show no impression of handling on the surface of the film. The film shall have even and wrinkle free surface.

M. Odour: -The film shall be **free from any odour**

N. **Tests**

a. **Leak Test**

The milk pouches made from the film, when filled with milk at about 8 °C and sealed, shall not show any leakage when subjected to uniformly distributed load of 25 N (2.5 kgf) for 500 ml pouch and 50 N (5 kgf) for 1000 ml pouch, pouches kept in flat position for 10 minutes with side seal on top.

b. **Drop test:** -

The filled pouches made from the film when subjected to the drop test shall not burst or show leakage of the contents.

Sixteen samples of filled pouches shall be drawn randomly 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 metre on a flat, smooth surface. Each pouch shall be dropped four times in the following sequence:

1. On flat side,
2. On opposite side,
3. On flat longer edge, and
4. On opposite longer edge.

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

**c. Fastness Testing of Film (Test for ink adhesion of milk pouch)**

Printing on the film shall not go away when a printed piece of film is immersed in milk and left for twelve hours in milk at a temperature of about  $8^{\circ}\text{C}$ . After removing the film from the milk, it shall be wiped with a piece of cloth and dried. The printed surface when rubbed with a tissue paper gently by hand, the ink removal from the print shall not be to the extent so as to reduce the printed matter not readable after test.

**Procedure for Acceptance of Milk Poly film with respect to Quality parameters**

1. The testing shall be carried as per method given in IS:11805-1989, IS:10141-1982, IS:10146-1982, IS:9833-1981, IS:2508-1984 and other relevant Indian Standards adjuncts to these standards.
2. Spot variation and average thickness of film shall be 60 microns  $\pm 5\%$  for 1000 ml and 55 microns  $\pm 5\%$  for 500 ml and 200 ml films. The thickness at six different places will be determined with a strip of 10 mm by dividing the strip into six divisions by folding and measuring the thickness at the center portion of each division.
3. The consignment shall be primarily accepted if the variation with respect to thickness, width, printing, winding etc. fall within above range of number of rolls tested, e.g. if out of 35 samples tested, more than four rolls show more thickness than the specified one (i.e. more than 63.0 microns for 1000 ml and 57.75 microns for 500 ml), the consignment shall not be accepted and the supplier shall be duly intimated so that he/she can carry out necessary segregation etc, as the case may be at his/her own cost.

Likewise, if more than four rolls out of 35 samples show less than minimum specified thickness i.e. 57.0 microns for 1000 ml & 52.25 microns of 500 ml film, the lot shall be rejected. However, for such lower than specified thickness up to 4/35 samples, no deductions shall apply.

For these four rolls, deductions shall be made as outlined in clause (4).

4. The procedure for deduction for slightly higher thickness shall be as follows :-
  - a. Average weight per roll shall be calculated from the number of rolls supplied and the net weight of the rolls received at Dairy.

- b. The number of rolls represented per samples shall be calculated depending on the number of rolls supplied and the number of rolls tested as samples to be decided as per norm fixed in IS-2508.
- c. The total number of the rolls represented per sample shall be calculated and -
  - i. For variation of 1 micron above 63 microns for 1000 ml milk pouch the deduction rate from the weight will be 0.016Kg/ 1 Kg. of milk poly film.
  - ii. For variation of 1 micron above 57.75 microns for 500 & 200ml milk pouch the deduction rate from the weight will be 0.0175Kg/ 1 Kg. of milk poly film.
  - iii. For variation of 1 micron above 105 microns for 500 & 200ml ghee pouch the deduction rate from the weight will be 0.010Kg/ 1 Kg. of milk poly film.
5. The losses during storage and transportation after production will be accounted for allowable limit in such cases shall be 1%. Up to 2% losses, the deduction @ 1% shall be made. However, if such losses go up to 3% then 2% deduction in terms of money shall be made in addition to the deductions for higher thickness.

Pouch length – 500 ml = 150 mm

1000 ml = 230 mm

6. For any abnormality or defects in printing or winding, the rate of deduction shall be to the extent of 0.5% to 1% depending on such abnormalities, which shall be in addition to the deductions made for higher thickness or losses.
7. In addition to all these, for any problem faced during the actual use of the whole consignment, the supplier shall be informed and suitable adjustment shall be made in the same or future consignment.
8. Poly film strips/rolls rejected by our units/unions shall be returned to the supplier at their cost after damaging, the same (punched through/drilled across the width of the rejected rolls) and the cost of the same shall be deducted/ held up in case replacement supply of equivalent quantity is not received by our dairy.

### **Specification for Milk Polyethylene film (Metallocene blended) Type II**

1. **Scope:** - This film standard prescribes requirements, methods of test and sampling of polyethylene pouches for the packaging of pasteurized liquid milk in one litre, half litre and 200 ml pack capacities.
2. **Terminology:** - For the purpose of this standard the terms defined in IS 7019 shall apply.
3. **Material:-**The pouches shall be made from virgin polyethylene (LDPE, LLDPE, MLLDPE (metallocene) or blend thereof) film meeting the food grade requirement given in IS 10146 and IS 10141. The pigments used if any shall be from those listed in IS 9833.
4. LDPE (1005FY20/IPCL) = 48% (including Master Batch 50%)  
 LLDPE (0-19010 / RIL) = 40%  
 MLLDPE (enhanced polymer) =10% (5401-G/DOW)  
 Master Batch = 2%

- 4.1 **General Requirements:** - The film shall be uniform in texture and finish. The film shall be free from pinholes, streaks, and particles of foreign matter, gauge variation bands and undispersed 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.
- 4.2 **Film Form** The film shall be supplied in rolls weighing not more than 18-22 kg including the weight of the core on which it is wound. One joint in the rolls shall be permitted.
- 4.3 **Winding of Film** The film shall wound on the core ( $3'' \pm 10\%$ ) uniformly and with proper tension, giving a perfect and trimmed edge. There shall be no telescoping of film layers. The core shall be strong enough not to collapse in use and shall be made from property compressed paper tube or plastics with smooth surface. The film rolls shall be packed in 3 play corrugated paper box for safe transportation.
- 4.4 **Odour** The film shall be free from any extraneous odour.
- 4.5 **Thickness** The film shall be assessed by its withstanding the drop tests and leak test and on the filled and sealed pouch as detailed in 7.1 and 7.2 shall be specified by the purchaser. The tolerance on the specified thickness shall be 5 micron. The average thickness of polyethylene film shall be in the range as specified below :

60  $\pm$  5 % micron for 1000 ml pouches and  
55  $\pm$  5 % micron for 200 ml & 500 ml pouches.

4.6 **Yield**

The minimum yield of filled milk pouches per kg of film shall be as follows:

Type of pack	Yield	Length of pack	Micron
1000 ml pouch	240	(Length 230 mm)	60 $\pm$ 5%
500 ml pouch	402	(Length 150 mm)	55 $\pm$ 5%
200 ml pouch	604	(Length 100 mm)	55 $\pm$ 5%
500 ml Ghee pouch	221	(Length 150 mm)	100 $\pm$ 5%

- 4.7 **Width** The width of the film shall be 323 mm and shall be within + 2/ -0 mm of the specified value.
- 4.8 **Tensile strength** The tensile strength at break when tested as prescribed in A-4 of IS 2508 for all polyethylene film shall be not less than 15.69 MN/m<sup>2</sup> (160 kgf/cm<sup>2</sup>) in length wise direction and 13.73 MN/m<sup>2</sup> (140 kgf/cm<sup>2</sup>) in cross wise direction.
- 4.9 **Elongation at break** The elongation at break when tested as prescribed in A-4 of IS 2508 for various thickness of polyethylene film, shall be not less than the following values.

Thickness of the film	Elongation at Break, Min	
	Lengthwise (%)	Crosswise (%)
45 $\mu$ m	200	400
From 50 $\mu$ m up to but not including 60 $\mu$ m	250	450

4.10 **Dart impact resistance** The impact failure load of polyethylene film when tested by the procedure given in A-6 of IS 2508 obtained from a drop height of 66 cm shall be not less than the value given below :

Thickness of the film (μ m)	Impact failure load Min N (gf)
40	1.60 (160)
45	1.80 (180)
50	2.00 (200)
55	2.20 (220)
60	2.50 (250)
80	3.00 (300)
100	3.50 (350)

Note: - Value for impact failure intermediate thickness may be obtained by interpolation.

#### 4.11 **Slip**

The kinetic coefficient of friction for the film, when tested in accordance with A-7 of IS 2508 shall not be greater than 0.25.

#### 4.12 **Sealing Property**

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

5. **Construction** The pouches shall be formed, filled and sealed on the FFS machine, leaving adequate headspace in the pouch for filling and sealing operation. The width and length of the pouch shall be according to the dimension of the forming and sealing system. The variation in the width and length of the flat pouch shall not be more than  $\pm 3$  mm of the mean dimension.
6. **Printing: -** Printing shall be neat and clean without any defects and ink for printing shall conform to IS 5931 and shall be permissible under PFA rules. The inks & solvent used in the printing shall be food grade and non-toxic. (Inks shall be Toluene free).

### 7. **Test**

#### 7.1. **Leak Test**

The filled pouches after 10 minutes of filling milk shall not show any leakage, when subjected to uniformity distributed load of 12.5 N (1.25 kgf) for 200 ml, 25N (2.5 kgf) for 500 ml pouch and 50N (5.0 kgf) for 1 liter pouch kept in flat position for 10 minutes with the side seal on top.

#### 7.2 **Drop Test**

The filled pouches when subjected to the drop test at predetermined frequency as agreed to between the purchaser and the supplier as described in Annexure A shall not burst or show leakage of the contents.

#### 7.3 **Printing Requirements**

Printed pouch when tested in accordance with the method given in Annexure B shall not show any significant removal of the print.

### 8. **Marking**

The pouches shall be printed with the following information.

- (a) Name, initials or trade mark
- (b) Any other information required by the purchaser or under statutory rules.

### **METHOD OF DROP TEST FOR MILK POUCHES**

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 meter on a flat smooth surface. Each pouch shall be dropped four times in the following sequence.

- 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 the test if not more than 3 pouch burst in the test.

### **TEST FOR INK ADHESION OF MILK POUCHES**

Immerse a printed piece of film in milk and leave it for 12 hours in it at a temperature of about 8 degree 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.

### **SCALE OF SAMPLING AND CRITERIA FOR CONFORMITY**

#### **C-1 Sampling**

##### **C-1.1 Lot**

The polyethylene pouches of the same size shall be grouped together to constitute a lot. Each lot shall be tested separately for the various requirements of specification.

C-1.2 The number of polyethylene pouches to be sampled from each lot are given in Table 1. The samples shall be drawn by the method of random selection as per IS 4905:1968.

#### **Table 1 Scale of Sampling**

##### **(Clause C-1.2, C-1.3 and C-1.4)**

Lot size (N)	Testing as per 4.1, 4.6, 4.7, 4.10, 4.11,4.12 5, 6, 7, 3		Testing as per 4.8, 4.9
	Sampling size(n)	Acceptance No.(a)	Sampling size (n)
(1)	(2)	(3)	(4)
Up to 500	20	1	2
501 to 1000	32	1	2
1001 to 3000	50	2	2
3001 to 10000	80	3	3
10001 and above	125	5	5

### **C-1.3 Number of Tests and Criteria for Conformity**

The sample size given in Col 2 of Table 1 shall be used for testing the various requirements given in 4.1, 4.6, 4.7, 4.10, 4.11, 5, 6 and 7. The number of failures shall not exceed the acceptance number given in Col 3 of Table 1 for the lot to be accepted as conforming to specification.

One test shall be performed for testing the material used in polyethylene pouches. No failure shall occur for the lot to be accepted as conforming to specification.

C-1.4 The sample pouches selected as per Col 4 of Table 1 shall be tested for 4.8 and 4.9. No failure shall occur for the lot to be accepted as conforming to specification.

C-1.5 Sixteen samples of filled pouches shall be taken at random (according to IS 4905) from the filling line for performing the tests given in 4.10 and 8. Not more than one failure shall occur for the lot to be accepted as conforming to specification.

C-1.6 **Drop Test:** - The criteria for sampling and conformance of the lot shall be as given in Annexure-A.

## **(B) General terms and conditions for the supply of Polythene Film**

### **1. Item**

1.1 LDPE/Octane based LLDPE co-extruded polyethylene film for liquid milk packing conforming to the enclosed specifications. For Metallocene based material MLLDPE will have blend as indicated in specification of Type II.

1.2 The supplier shall furnish declaration with each consignment to the effect that the film supplied has been produced from food grade basic raw materials, pigments, additives and printing inks. The supplier shall be responsible for any chemical/ toxic reaction in milk pouches because of film. Any consignment not accompanied with a declaration to the above effect may not be accepted. Without the written permission of DRMU, no raw material, pigments, additives and printing inks shall be changed by the supplier.

### **2. Rates & quantity**

2.1 The details of rates and quantity approved are given in the enclosed purchase order. The basic ex-factory rate of LDPE granule 1005FY20 grade of IPCL as on (.....) Rs. .... / kg and basic ex-factory rate for LLDPE granule 019010 grade of RIL, as on (.....) Rs. .... /kg based on which the poly film rate is Rs./kg on 50:50 blending.

The details of rates and quantity approved are given in the enclosed purchase order. The basic ex-factory rate of LDPE granule 1005FY20 grade of IPCL as on (.....) Rs. .... / kg, basic ex-factory rate for LLDPE granule 019010 grade of RIL, as on (.....) Rs. .... /kg and basic ex-factory rate for MMDPE 5401G as on (.....) Rs. .... / kg. based on which the poly film rate is Rs./kg on 50:40:10 blending. Similar formula shall apply in case of ghee film.

You will submit GP-1 or Excise Certificate in lieu of GP-1 with every invoice along with undertaking to the effect that Bihar State Cooperative Milk Producers' Federation Ltd. or its affiliated unions/dairies shall have no liability for accepting excise certificate in lieu of GP-1.

2.2 The quantity for which we have approved your rates shall be subject to +/- 5% variations to take care of changes in normal consumption. This quantity variation shall be allowed at the approved rate only.

2.3 The revision of rates for granules and therefore for poly film shall be considered on 1:1 ratio with respect to the actual revision of the ex-factory rates on 50:50 composition basis. The effect of revision of rate for raw material shall be considered up to the date of placing the Purchase Order (P.O). Any change in rate after the placing the P.O. shall be considered while placing next purchase order Similar formula shall apply for ghee film also depending upon composition pre-declared. For granules whose Ex. Works price are not available then their price of Patna depot will be considered for rate calculation.

2.4 However in case there is any increase/ reduction in Government taxes or levies on finished product, the same shall be made effective immediately to submission of documentary evidence.

### **3. Delivery**

3.1 The goods shall be supplied directly to our dairies/unions and the dispatches shall be made strictly as per the delivery schedule given in the purchase order.

3.2 The weight of the material received at the stores of receiving party shall be considered as final.

3.3 VPDUSS shall be free to short list more than one supplier for taking supply of film.

### **4. Packing**

4.1 Film roll duly covered with polyethylene shall be packed in 5 ply 100 x 5gms paper corrugated box, which shall be strapped from outside with 12mm HDPE box strapping.

4.2 The film shall conform to our specifications in all respects. The film having printing defects or wider thickness variations shall not be acceptable at all. Request for acceptance of such defective film shall not be entertained by COMFED/Dairies. The supplier shall have to arrange lifting of such defective film from our stores within seven days from the date of receipt of intimation from COMFED/dairies/unions failing which dairies/unions shall charge storage charges and/or dispose off the material as they may deem fit. In case of rejection, security deposit may be forfeited.

### **5. Yield**

5.1 The guaranteed minimum yield in case of 200ml, 500ml milk film & 1000ml milk film of ordered thickness shall be not less than 700, 445 & 250 pouches respectively per kg of film roll. This includes wastage in handling of film in packing. Less yield will lead to proportionate deduction. The yield on best packing machine of the dairy will be considered for working out losses & making payment.



However for Metallocene based material, the guaranteed yield will be minimum 664 pouches for 200 ml pack, 442 pouches for 500 ml pack & 240 pouches for 1000 ml pack size.

Standard pouch lengths for 200 ml, 500 ml pouches and 1000 ml pouches shall be 90mm, 145mm and 210mm respectively.

Pouch yield calculation formula =  $1000/\text{pouch length} \times \text{film width} \times \text{film thickness} \times \text{film density}$ .

## **6. Test Report**

6.1 With respect to quality, COMFED shall be free to get each/ any consignment of poly film tested pre and/or post delivery from the Institute of National repute, which has NABL accreditation. The test may be for any or all the quality parameters as per the provisions under IS:11805-1989, IS:10141-1982, IS:10146-1986, IS:9833-1981 and IS:2508-1984. The tests may be got done at the Indian Institute of Packaging or Central Institute of Plastics Engineering & Technology (CIPET) or CFTRI as detailed under procedure for acceptance of milk poly film with respect to quality parameters.

6.2 COMFED or its dairies shall also be free to incorporate any other relevant testing provisions which is updated by BIS, CIPET, National Dairy Development Board or any NABL authenticated body which otherwise becomes necessary for the over all quality of poly film.

## **7. Invoicing & dispatch advice**

7.1 Invoices shall be made in the name of the respective units/unions and be sent to them directly for payment.

7.2 Whenever the supplies are made to our dairies/unions, the suppliers shall send a copy of despatch advice/ invoice to COMFED for our information and records. Further, the suppliers shall send a monthly- consolidated statement at the end of every month to COMFED indicating units/ unions wise quantity ordered and supplies made.

7.3 The invoices shall be prepared as per approved price break-up only, duly indicating excise and sales tax rate whenever applicable.

## **8. Payment with test report of poly film received**

8.1 Test report of poly film for the rejected lot in the prescribed format will be sent to the supplier and finally detailed payment advice along with payment will be sent to the supplier by all unions/ units. Major deviation in quality will be reported to the supplier within a week after joint inspection.

8.2 Payments shall be released by bank draft from our respective poly film receiving milk union/ dairy as under :-

- a. Eighty five percent of the billed amount within twenty days from the date of receipt of material at the dairies.
- b. Balance fifteen percent shall be released maximum within ninety days from the date of receipt of material at our respective dairies or complete consumption of poly film whichever is earlier subject to the approval of the quality by the NABL accredited laboratory.

Though the dairies/ unions will pay eight five percent within twenty days as stated at (i) above, if the quality is found unsatisfactory or unserviceable during using in plant, the rejected film shall be lifted by the supplier from the dairy/union's store at his/her cost after puncturing the film rolls and replace the same. Alternatively, the money paid shall be refunded by the supplier.

- 8.3 Milk Union/dairy shall make all payments as per laid down terms and conditions and time schedule indicated in the purchase order. Only in case of deviations from the specified terms than mentioned in the purchase order, matters shall be referred to COMFED Hqr or competent authority for approval.

## **9. Penalty**

- 9.1 In case deliveries are not affected within the stipulated delivery date, penalty shall be imposed @ 1% of the total amount per fifteen days or part thereof subject to a maximum of 2% of the balance amount up to a maximum of thirty days after due delivery date. Alternatively, in the event of non-delivery of material within the stipulated time, Union/Unit reserves the right to cancel the order, forfeit the earnest/ security deposit and procure the material from any other source. No benefit of price increase shall be given on the delayed supplies.

- 9.2 The sorted out/ rejected quantities of a production run at the manufacturers end, shall be destroyed. If any such stock is found lying in the premises of the manufacturers, it will be deemed to have been retained for unhealthy use by the manufacturer and hence the security deposit will be forfeited and the manufacturer shall be black listed from our approved suppliers list.

## **10. Warranty**

The supplier shall provide a warranty for a minimum period of one year from the date of supply of material for satisfactory performance of the material according to the designed and details of specification given or any other norms fixed by COMFED.

11. For all legal matters & disputes Patna court shall be our jurisdiction.
12. Managing Director, VPDUSS, Patna shall be the Arbitrator in case of any disputes. Any money found recoverable shall be recovered under the Public Demand Recovery Act without prejudice to any other mode of recovery.

**PLASTIC POUCH CRATE**

**(A) SPECIFICATIONS FOR PLASTIC POUCH CRATES**

**HDPE Crate**

1. Prepack type HDPE Milk Pouch Crates to either hold 10 Nos. of 1 Ltr. or 20 Nos. of ½ Ltr. Milk Pouches made from virgin food grade HDPE material  
Wt. 1200 grm +/- 2%  
Dimension: 564 (L) x 294 (B) x 176 (H) mm OD  
521 (L) x 223 (B) x 173 (H) mm ID

**Approx. Quantity: 115000 Nos.**

2. Prepack type HDPE Milk Pouch Crates made from virgin food grade HDPE material having an partition/ divider inside the Crate capacity 12 Ltrs.,  
Weight – 1.5 kg +/- 2%,  
Dimension: OD: 471 (l) x 378 (B) x 175 (H)  
ID: 427 (L) x 335 (B) x 162 (H)

**Approx. Quantity: 11000 Nos.**

3. Perforated Prepack type HDPE Milk Pouch Crates made from virgin food grade HDPE material, Capacity 10 litres,  
Weight – 1.2 kg +/- 2%  
Dimensions: 500 x 325 x 150 mm - OD  
465 X 290 X 140 MM – ID

**Approx. Quantity: 6000 Nos.**

4. Jali type HDPE Milk Pouch Crates made from virgin food grade HDPE material  
Weight – 1.8 kg +/- 2%  
Dimensions: 540 x 360 x 300 STP - OD  
510 x 328 x 290 STP – ID
5. HDPE Cone Crates made from virgin food grade HDPE material  
Weight – 2.8 kg +/- 2%  
Dimensions: 600 x 400 x 220 STP – OD  
It should have a tray within 40 holes to hold 40 Cones, hole dia 50mm, Tray will be detachable

All above HDPE Crates should be in either of Colour: Red, Yellow, Blue, Green, Orange with Embossing / Printing of logo of SUDHA and Year & Name of the Dairy on both side of the crate with contrast colour or as per approved design.

**Signature of the party with office stamp**

**INSULATED BOX****(A) SPECIFICATIONS FOR INSULATED BOX**

Sl. No.	Particulars	Capacity (Lts.)	Approx. Quantity (Nos.)
1.	INSULATED BOX Outer Dimension (In Lid Fitted Condition): 595mm (L) 400mm (W) 400mm (H) Inner Dimension (Box Only) 517mm (L) 355mm (W) 325mm (H)	50	500
2.	SIPPER BOX Outer Dimension (In Lid Fitted Condition): 840mm (L) 575mm (W) 745mm (H) Inner Dimension (Box Only) 680mm (L) 450mm (W) 600mm (H)	150	300
3.	SIPPER BOX Outer Dimension (In Lid Fitted Condition): Height: 765mm Approx Without Lid Fitting Condition OD.- 915mm (L) 715mm (W) 710mm (H) Inner Dimension (Box Only) 865mm (L) 665mm (W) 575mm (H)	310 / 330	330
4.	SIPPER BOX Outer Dimension (In Lid Fitted Condition): Height: 650mm Approx Without Lid Fitting Condition OD.- 1230mm (L) 1030mm (W) 500mm (H) Inner Dimension (Box Only) 1165mm (L) 965mm (W) 430mm (H)	450 / 460	100
5.	SIPPER BOX Outer Dimension (In Lid Fitted Condition): Height: 820mm Approx Without Lid Fitting Condition OD. 1230mm (L) 1030mm (W) 750mm (H) Inner Dimension (Box Only) 1165mm (L) 965mm (W) 600mm (H)	650 / 660	100

**Required Parameters:**

Sl. No.	Parameter	INSULATED BOX / SIPPER BOX
1.	Capacity (Lts.)	As Required
2.	Material	Manufactured from USDA / FDA / EU approved polyethylene.

3.	Insulation material	PU Filled and UV Stabilized. PUF Insulation not less than 30 mm. Excellent insulation is required for storage & transportation of frozen dairy
4.	Manufacturing process	Roto Moulding.
5.	Drain Cap / Tap	Required
6.	Vending Lid	Required
7.	Fittings & Hardware	Superior Grade, Rust Proof & Corrosion Proof.
8.	Stackability	Required for space saving.
9.	Branding of Sudha in English / Hindi on appropriate place	To be Provided. Built in space to print message, logo and name.
10.	Colour	Red / Blue / As required.
11.	Additional requirement	Should be hygienic, easy to clean & wash. Strong and durable. Freshness of contents over long duration to be ensured.

**Signature of the party with office stamp**

**EUTECTIC PAD**

**Approx Quantity: 2000 Nos.**

**(B) SPECIFICATIONS FOR EUTECTIC PADS (Glycol Filled)**

Blow Moulded pad made of FDA grade polyethylene.

Overall dimension: 162 mm X (L) X 90 mm (W) X 32 mm (B).

Weight: 75 gram (PE only)

Material of construction: HDPE Grade Reliance: B56003 Reliance certificate (FDA) to be attached.

**(B) General terms and conditions for the supply of Eutectic Pads**

**13. Item**

13.1 Prepack Type HDPE Eutectic Pad conforming to the enclosed specifications.

13.2 The supplier shall furnish declaration with each consignment to the effect that the Eutectic Pad supplied has been produced from food grade basic raw materials, pigments, additives and printing inks. The supplier shall be responsible for any chemical/ toxic reaction in milk pouches because of Eutectic Pad. Any consignment not accompanied with a declaration to the above effect may not be accepted. Without the written permission of VPDUSS, no raw material, pigments, additives and printing inks shall be changed by the supplier.

**14. Rates & quantity**

14.1 The details of rates and quantity approved are given in the enclosed purchase order. The ex-factory rate of HDPE Grade (B56003) granule of RIL/ IPCL as on (.....) Rs. .... / kg.

You will submit GP-1 or Excise Certificate in lieu of GP-1 with every invoice along with undertaking to the effect that Bihar State Cooperative Milk Producers' Federation Ltd. or its affiliated unions/dairies shall have no liability for accepting excise certificate in lieu of GP-1.

14.2 The quantity for which we have approved your rates shall be subject to +/- 5% variations to take care of changes in normal consumption. This quantity variation shall be allowed at the approved rate only.

14.3 The revision of rates for granules and therefore for Eutectic Pad shall be considered on 1:1 ratio with respect to the actual revision of the ex-factory rates basis. The effect of revision of rate for raw material shall be considered up to the date of placing the Purchase Order (P.O). Any change in rate after the placing the P.O. shall be considered while placing next purchase order. For granules whose Ex. Works price are not available then their price of Patna depot will be considered for rate calculation.

14.4 However in case there is any increase/ reduction in Government taxes or levies on finished product, the same shall be made effective immediately to submission of documentary evidence.

## **15. Delivery**

15.1 The goods shall be supplied directly to our dairies/unions and the dispatches shall be made strictly as per the delivery schedule given in the purchase order.

15.2 The quantity/ weight of the material received at the stores of receiving party shall be considered as final.

15.3 VPDUSS shall be free to short list more than one supplier for taking supply of Eutectic Pad.

## **16. Supply**

The Eutectic Pad shall conform to our specifications in all respects. The Eutectic Pad having printing defects or wider thickness variations shall not be acceptable at all. Request for acceptance of such defective Eutectic Pad shall not be entertained by COMFED/Dairies. The supplier shall have to arrange lifting of such defective materials from our stores within seven days from the date of receipt of intimation from COMFED/dairies/unions failing which dairies/unions shall charge storage charges and/or dispose off the material as they may deem fit. In case of rejection, security deposit may be forfeited.

## **17. Test Report**

17.1 With respect to quality, COMFED shall be free to get each/ any consignment tested pre and/or post delivery from the Institute of National repute, which has NABL accreditation. The test may be for any or all the quality parameters as per the provisions under IS:11584-1986. The tests may be got done at the Indian Institute of Packaging or Central Institute of Plastics Engineering & Technology (CIPET) or CFTRI as detailed under procedure for acceptance of Eutectic Pad with respect to quality parameters.

17.2 COMFED or its dairies shall also be free to incorporate any other relevant testing provisions which is updated by BIS, CIPET, National Dairy Development Board or any NABL authenticated body which otherwise becomes necessary for the over all quality of Eutectic Pad.

## **18. Invoicing & dispatch advice**

- 18.1 Invoices shall be made in the name of the respective units/unions and be sent to them directly for payment.
- 18.2 Whenever the supplies are made to our dairies/unions, the suppliers shall send a copy of despatch advice/ invoice to COMFED for our information and records. Further, the suppliers shall send a monthly- consolidated statement at the end of every month to COMFED indicating units/ unions wise quantity ordered and supplies made.
- 18.3 The invoices shall be prepared as per approved price break-up only, duly indicating excise and sales tax rate whenever applicable.

## **19. Payment with test report of Eutectic Pad received**

- 19.1 Test report of Eutectic Pad for the rejected lot in the prescribed format will be sent to the supplier and finally detailed payment advice along with payment will be sent to the supplier by all unions/ units. Major deviation in quality will be reported to the supplier within a week after joint inspection.
- 19.2 Payments shall be released by bank draft from our respective Eutectic Pad receiving milk union/ dairy as under :-
- c. Eighty five percent of the billed amount within twenty days from the date of receipt of material at the dairies.
  - d. Balance fifteen percent shall be released maximum within ninety days from the date of receipt of material at our respective dairies subject to the approval of the quality by the NABL accredited laboratory.

Though the dairies/ unions will pay eight five percent within twenty days as stated at (a) above, if the quality is found unsatisfactory or unserviceable during using in plant, the rejected materials shall be lifted by the supplier from the dairy/union's store at his/her cost after puncturing and replace the same. Alternatively, the money paid shall be refunded by the supplier.

- 19.3 Milk Union/dairy shall make all payments as per laid down terms and conditions and time schedule indicated in the purchase order. Only in case of deviations from the specified terms than mentioned in the purchase order, matters shall be referred to COMFED Hqr or competent authority for approval.

## **20. Penalty**

- 20.1 In case deliveries are not affected within the stipulated delivery date, penalty shall be imposed @ 1% of the total amount per fifteen days or part thereof subject to a maximum of 2% of the balance amount up to a maximum of thirty days after due delivery date. Alternatively, in the event of non-delivery of material within the stipulated time, Union/Unit



reserves the right to cancel the order, forfeit the earnest/ security deposit and procure the material from any other source. No benefit of price increase shall be given on the delayed supplies.

20.2 The sorted out/ rejected quantities of a production run at the manufacturers end, shall be destroyed. If any such stock is found lying in the premises of the manufacturers, it will be deemed to have been retained for unhealthy use by the manufacturer and hence the security deposit will be forfeited and the manufacturer shall be black listed from our approved suppliers list.

## **21. Warranty**

The supplier shall provide a warranty for a minimum period of one year from the date of supply of material for satisfactory performance of the material according to the designed and details of specification given or any other norms fixed by COMFED.

22. For all legal matters & disputes Patna court shall be our jurisdiction.

23. Managing Director, VPDUSS, Patna shall be the Arbitrator in case of any disputes. Any money found recoverable shall be recovered under the Public Demand Recovery Act without prejudice to any other mode of recovery.

I/We accept the above terms and conditions of supply.

**Signature of the party with office stamp**

## **PLASTIC PALLETS**

### **(A) SPECIFICATIONS FOR PLASTIC PALLETS**

#### **1. Type: Injection Moulded Perforated Deck Single Side**

**Approx. Quantity: 3000 Nos.**

Dimension : 1200 X 1000 X 160 mm  
Pallet Weight : 18.5 Kg ( $\pm 2\%$ )  
Material : HDPE  
Grade : L60075  
Static Load : 6000 Kg (Unified Load)  
Dynamic Load : 1200 Kg (unified Load)  
Racking Load : 1200 Kg (Unified Load)

#### **2. Type: Perforated Deck Single Side**

**Approx. Quantity: 3000 Nos.**

Dimension : 1200 X 1000 X 130 mm  
Pallet Weight : 16.5 Kg ( $\pm 2\%$ )  
Material : HDPE  
Grade : L60075  
Static Load : Up to 3000 Kg (Unified Load)  
Dynamic Load : Up to 1000 Kg (Unified Load)  
Racking Load : Up To 1000 Kg (Unified Load)

#### **3. Type: Rotomoulded Plastic Pallet**

**Approx. Quantity: 2000 Nos.**

#### **Pallet should be flat without holes**

Dimension : 1200 X 1000 X 160 mm  
Pallet Weight : 18.5 Kg ( $\pm 2\%$ )  
Material : HDPE  
Grade : L60075  
Static Load : 6000 Kg (Unified Load)  
Dynamic Load : 1200 Kg (unified Load)  
Racking Load : 1200 Kg (Unified Load)

**Signature of the party with office stamp**

### **(C) General terms and conditions for the supply of Plastic Pallets**

#### **24. Item**

24.1 Plastic Pallets conforming to the above mentioned specifications.

24.2 The supplier shall furnish declaration with each consignment to the effect that the HDPE Plastic Pallets supplied has been produced from food grade basic raw materials, pigments, additives and printing inks. The supplier shall be responsible for any chemical/ toxic reaction in milk pouches because of HDPE Plastic Pallets. Any consignment not accompanied with a

declaration to the above effect may not be accepted. Without the written permission of DRMU, no raw material, pigments, additives and printing inks shall be changed by the supplier.

## **25. Rates & quantity**

25.1 The details of rates and quantity approved are given in the enclosed purchase order. The ex-factory rate of HDPE Grade (L-60075) granule of RIL/ IPCL as on (.....) Rs. .... / kg.

You will submit GP-1 or Excise Certificate in lieu of GP-1 with every invoice along with undertaking to the effect that Bihar State Cooperative Milk Producers' Federation Ltd. or its affiliated unions/dairies shall have no liability for accepting excise certificate in lieu of GP-1.

25.2 The quantity for which we have approved your rates shall be subject to +/- 5% variations to take care of changes in normal consumption. This quantity variation shall be allowed at the approved rate only.

25.3 The revision of rates for granules and therefore for HDPE Plastic Pallets shall be considered on 1:1 ratio with respect to the actual revision of the ex-factory rates basis. The effect of revision of rate for raw material shall be considered up to the date of placing the Purchase Order (P.O). Any change in rate after the placing the P.O. shall be considered while placing next purchase order. For granules whose Ex. Works price are not available then their price of Patna depot will be considered for rate calculation.

25.4 However in case there is any increase/ reduction in Government taxes or levies on finished product, the same shall be made effective immediately to submission of documentary evidence.

## **26. Delivery**

26.1 The goods shall be supplied directly to our dairies/unions and the dispatches shall be made strictly as per the delivery schedule given in the purchase order.

26.2 The quantity/ weight of the material received at the stores of receiving party shall be considered as final.

26.3 DRMU shall be free to short list more than one supplier for taking supply of HDPE Plastic Pallets.

## **27. Supply**

The Plastic Pallets shall conform to our specifications in all respects. The Plastic Pallets having printing defects or wider thickness variations shall not be acceptable at all. Request for acceptance of such defective HDPE Plastic Pallets shall not be entertained by COMFED/Dairies. The supplier shall have to arrange lifting of such defective materials from our stores within seven days from the date of receipt of intimation from COMFED/dairies/unions failing which dairies/unions shall charge storage charges and/or

dispose off the material as they may deem fit. In case of rejection, security deposit may be forfeited.

## **28. Test Report**

- 28.1 With respect to quality, COMFED shall be free to get each/ any consignment tested pre and/or post delivery from the Institute of National Repute, which has NABL accreditation. The test may be for any or all the quality parameters as per the provisions under IS:11584-1986. The tests may be got done at the Indian Institute of Packaging or Central Institute of Plastics Engineering & Technology (CIPET) or CFTRI as detailed under procedure for acceptance of HDPE Plastic Pallets with respect to quality parameters.
- 28.2 COMFED or its dairies shall also be free to incorporate any other relevant testing provisions which is updated by BIS, CIPET, National Dairy Development Board or any NABL authenticated body which otherwise becomes necessary for the overall quality of HDPE Plastic Pallets.

## **29. Invoicing & dispatch advice**

- 29.1 Invoices shall be made in the name of the respective units/unions and be sent to them directly for payment.
- 29.2 Whenever the supplies are made to our dairies/unions, the suppliers shall send a copy of despatch advice/ invoice to COMFED for our information and records. Further, the suppliers shall send a monthly- consolidated statement at the end of every month to COMFED indicating units/ unions wise quantity ordered and supplies made.
- 29.3 The invoices shall be prepared as per approved price break-up only, duly indicating excise and sales tax rate whenever applicable.

## **30. Payment with test report of HDPE Plastic Pallets received**

- 30.1 Test report of HDPE Plastic Pallets for the rejected lot in the prescribed format will be sent to the supplier and finally detailed payment advice along with payment will be sent to the supplier by all unions/ units. Major deviation in quality will be reported to the supplier within a week after joint inspection.
- 30.2 Payments shall be released by bank draft from our respective HDPE Plastic Pallets receiving milk union/ dairy as under :-
- e. Eighty five percent of the billed amount within twenty days from the date of receipt of material at the dairies.
  - f. Balance fifteen percent shall be released maximum within ninety days from the date of receipt of material at our respective dairies subject to the approval of the quality by the NABL accredited laboratory.

Though the dairies/ unions will pay eight five percent within twenty days as stated at (a) above, if the quality is found unsatisfactory or unserviceable during use, the rejected materials

shall be lifted by the supplier from the dairy/union's store at his/her cost after puncturing and replace the same. Alternatively, the money paid shall be refunded by the supplier.

30.3 Milk Union/dairy shall make all payments as per laid down terms and conditions and time schedule indicated in the purchase order. Only in case of deviations from the specified terms than mentioned in the purchase order, matters shall be referred to COMFED Hqr. or competent authority for approval.

### **31. Penalty**

31.1 In case deliveries are not affected within the stipulated delivery date, penalty shall be imposed @ 1% of the total amount per fifteen days or part thereof subject to a maximum of 2% of the balance amount up to a maximum of thirty days after due delivery date. Alternatively, in the event of non-delivery of material within the stipulated time, Union/Unit reserves the right to cancel the order, forfeit the earnest/ security deposit and procure the material from any other source. No benefit of price increase shall be given on the delayed supplies.

31.2 The sorted out/ rejected quantities of a production run at the manufacturers end, shall be destroyed. If any such stock is found lying in the premises of the manufacturers, it will be deemed to have been retained for unhealthy use by the manufacturer and hence the security deposit will be forfeited and the manufacturer shall be black listed from our approved suppliers list.

### **32. Warranty**

The supplier shall provide a warranty for a minimum period of one year from the date of supply of material for satisfactory performance of the material according to the designed and details of specification given or any other norms fixed by COMFED.

33. For all legal matters & disputes Patna court shall be our jurisdiction.

34. Managing Director, VPDUSS, Patna shall be the Arbitrator in case of any disputes. Any money found recoverable shall be recovered under the Public Demand Recovery Act without prejudice to any other mode of recovery.

I/We accept the above terms and conditions of supply.

**Signature of the party with office stamp**