



**Gujarat Cooperative Milk Marketing Federation Ltd, Anand
Amulfed Dairy (Previously known as AmulFed Dairy)**

Plot No. 35, Nr. Indira Bridge,
Ahmedabad-Gandhinagar Highway
Village: Bhat, Dist: Gandhinagar
Gujarat, India-382428

**Design, Supply (FOR site basis including unloading), Installation, Testing & Commissioning of
Slitting Rewinding Machines, capacity-350 MPM at PFP.**

AFD: PUR: ENQ: 2020:329





AMULFED DAIRY

(A Unit of Gujarat Co-operative Milk Marketing Limited)
Plot No. 35, Near Indira Bridge, Ahmedabad-Gandhinagar Highway
Village - Bhat, Dist - Gandhinagar - 382428
Phone : +91-79-3969055/56 Fax : +91-79-3969059

We invite bids from eligible bidders for the following works: "**Design, Supply (FOR site basis including unloading), Installation, Testing & Commissioning of Slitting Rewinding Machines, capacity-350 MPM at PFP**" as per the scope of supply mentioned in the Inquiry".

Bid Reference	AFD: PUR: ENO: 2020:329
Bid Start	Starts from 21.11.2020
Submission	Up to 02.00 pm of 30.11.2020
Completion period	4 months

Eligibility Criteria

- 1..1 The Bidder/Supplier shall have turnover, in each of the last three years (2016-17, 2017-18 and 2018-19), at least equal to Rs. 10 Crore and must have executed, in the last five years at least a contract of similar nature and of value not less Rs. 50 Lac.

Technical Specification : As per the Annexure-I

Submission of Bid :

Bidders fulfilling above eligibility criteria eligible for submission of bids in their name only.

- 1.1 The bid shall be submitted through mail/hardcopy before above due date is acceptable.
1.2 The price Break up sheet should be entitled with reference of "Price Break Up for, "**Design, Supply (FOR site basis including unloading), Installation, Testing & Commissioning of Slitting Rewinding Machines, capacity-350 MPM at PFP**".

Rights Reserved by AmulFed Dairy (A unit of GCMMF Ltd).

AmulFed Dairy (A unit of GCMMF Ltd), at its sole discretion and without assigning any reason thereof, reserves the right to accept and / or reject the whole or part of any or all the bids received.

Validity :

The offer should be valid for 3 Months from the date of Bid opening.

Contact details: For any techno-commercial query you may contact Palak Shah (7359001666), or (E-mail-palak.shah@amul.coop) of Purchase department.

Annexure-I

Technical Specification for 350 MPM Duplex Slitter Rewinder machine

Machine Type	Duplex Sitter Rewinder Machine
Machine to design for	shall be used to slit the flat film made up of LDPE, LLDPE, PE Polymer 20-200 micron, Waxed paper up to 100 GSM, PET : 20-40 Micron, BOPP : 20-40 Micron
Slitting Speed	350 MPM (slitting speed for all above design substrates)
Maximum Web Width	1250 mm
Minimum Web Width	500 mm
Minimum Slit Width	50 mm
Slitting Type	Razor in Groove, Razer in Air and Shear Rotary cutter for Paper cutting
	Necessary Covering and Safety inter lock at cutting roller area
Roll Diameter at Unwind	1000mm
Max Weight at Unwind	1000 Kgs
Un wind Tension Range	Suitable for given Substrate range, specially of Strachable PE and Paper @ 100 GSM
Un winde Core ID	76 mm & 152 mm
Unwind Roll Loading & Mounting	Shaft less, roll Pick up from Floor
Infeed System	Combination S wrap type with Driven Roller
Web Guide	Automatic Electronic Line Guide (E+L or BST make)
	Suitable for Transperent film, Opaque Film, Paper, Laminate,
	Sensing of Doted lines, Edge, Continuous line
	correction @ 75 mm,
Tension Mamagement	Suitable Roll Breaking system with Skew roller, Continuous Monitoring thru load cells, logic controller thru continuous roll mass sensing and correction
Operator Consule at Unwind	Suitable operator console at unwind for Roll Loading, Alignment, Tension control, Emergency Stop, Web Guider
Rewinder Units	Differential Winding with Friction Ball Shaft
	for 76 mm Core ID and reel Diameter @ 400 mm
	Suitable for Paper cores and Plastic PVC cores
	Necessary Finished, roll Dia. Sensor, Meter Counter, to be provided

Roller	Aluminium, Dynamic Balanced, Covered with Rubber/Corked sheet where ever required
Web Clamping	Suitable Web Clamping device to be provided
Lay on roller	Suitable width Silicon/rubber coated Layon roller to be provided with liner moment
Core Positioning	Laser Core Positioning manual at rewinder
Static Eleminitor	Suitable Static Eleminitor to be provided
Reel Removal , Roll Unloading Boom	Manual with Supported by Reel Ejector boom, in built inter locke with machine and engagement of Rewinder shaft and Ejector Boom, @ 1050 mm
Trim Magement	Trim Extraction system with necessary Blower, piping and trim collection SS cage moveble
	10 Nos Circular Knives, 10 Nos Razor Blade holder with Magnet
Safety	Necessary Safety to be provided at Unwind, Rewind, pull roller by providing latest robust safety devices
Operator Console & Machine Control Station	Touch Screen HMI Interface with necessary Hard Button, Selector Switch, Safety buttons to be provided
PLC, Softward, Machien Data	Necessary Industrial Software, PLC, Counters, Logical Machine Data, History, Tension to provide, Necessary Operator interface to control machine from Central HMI to design. All software Back up data management system with Remote Dignostic system to provide. Necessary Operator interface to control tension, taper tension, winding direction, selection of tension, Meter Counter, Roll Diameter etc. display to include on HMI.
Energy Management system	3 Phase, 415 V, 50 Hz, with suitable necessary Breaker System, Seperate Energy Meter to provide, Panel Cooling AC to be provided with sufficient air ventilation
Other Utility (Air, Water, Electricity)	Buyer will provide necessary utility (Electricity, Water, Compressed Air) at one point, machine's internal wiring, utiity connections will be suppliers scope
Other Requirements	Machine must be complied to all applicable legal & Safety compliance including noice level
	Machine Acceptance protocol to be performed buy Supplier (will be shared after technical scope) Supplier need to provide Technical output data when ever asked
	Final slitted substrate performance will be as per Industrial standards and PFP quality Parameters
	Preference will be given to Energy Efficient, Environ Friendly Technology and Final out put parameters
Make list	Pneumatic - SMC or Festo Switch Gear - L&T, Schneider

	Web Guide : E+L, BST HMI : Siemens, BnR Static Eleminaor - Fraser
Warranty	12 months after acceptance of the machine
Freight, Unloading, Insurance	Freight, Included, Unloading with be suppliers scope, Insurance up to machine acceptance in supplier scope
E&C, Ladging and Boarding, Transportation	E&C will be suppliers scope, Engineers transportation, Lodging and Boarding charges will be suppliers cope will machine acceptabce trials
Traning	@ 2 Days, Machine Operation, Safety, Maintenance traning to be provided

5.0 GENERAL TERMS AND CONDITION

- 1) The purchaser will provide electrical supply, water supply and air at one point at the machine.
- 2) Machine's internal wiring, connection of air, water would be done by supplier up to one point of supplier given by the purchaser.
- 3) The offer should include three set of manual, spare part list and as built drawing of final machine installed at site.
- 4) The list of spares recommended shall be sufficient to cover two years of operation should be submitted along with the offer. The individual price of the spares should also be indicated in list. Any other spares over and above to specified spares would be provided by supplier at FOC within warranty period. Warranty of critical spares shall be provided from the date of installation / starting of respective spares on machine.
- 5) Maximum three month shall be allowed between acceptance trails and commissioning of machine.
- 6) After sales support & Service policy :
24 x 7, Two years comprehensive service support should be extended after warranty period.
- 7) Anchoring of necessary assembly with foundation base is to be done by supplier.
- 8) Supplier should ensure training of Purchaser Manpower for at least 100 man days before acceptance trial of machine at site.
- 9) Manual Override over PLC should be preferred, suitable arrangement to operate entire machine w/o centralized control in case of emergency.
- 10) If case of any delay in acceptance trial of the machine, supplier will hand over machine to purchaser for routine production after Stabilization run.
- 11) Safety: Machine should comply IEC regulations.
- 12) Supplier shall submit software validation of whatever software is incorporated in machine for achieving performance

Performance Criteria for 350 MPM Speed Slitter Machine:

1. For Machine acceptance criteria supplier has to perform Test Run A for 8 hrs.

Acceptance Run (LD based Milk Film 50 micron)

- Parent roll to be of @ 650 kgs. (@14500 Mtrs)
- Slit Width: 325 mm X 3 reels,
- 1250 mtrs reel cut length
- **3500 kgs/ 8 hr. including roll change over time**
- Parent roll change over time should be less than 2 min/roll

During the trial PFP will check the finished rolls as per PFP's Standard quality plan.

Winding Tolerance at Rewinder should not be +/- 0.5mm.

Roll winding should not be telescopic during speed change.

Rewinded roll should not have any static charge on the film.

Parent roll changeover should not be longer than two minutes.

Use of Paper core will be as per PFP standard. Supplier has to perform on PFP supplied paper cores.

Acceptance Trial has to be performed by Suppliers Person; AFD will not give operator for acceptance trial. Helper for Packing of rolls will be provided by AFD.

Any Setup time or machine adjustment time spent during acceptance will be accounted in trail time. NO additional time will be given for same.

Machine should be capable to handle all kind of film with all thickness range specified in design scope with maximum rated speed.

Acceptance of the finished rolls will be on successful meeting of the Quality parameters.

All safety parameters will be performed during the trial runs

Performance of the trial will evaluated including Material reconciliation.

IEC Safety Standards to be followed in Machine design and supply.

- IEC 60051 Recommendation for direct acting indicating analogue electric measuring instruments and their accessories
- IEC 60028 International standard of resistance for copper
- IEC 60044 Instrument transformers
- IEC 60038 IEC Standard Voltages
- IEC 60061 Lamp caps and holders together with gauges for the control of interchangeability and safety
- IEC 60073 Basic Safety principles for man-machine interface, marking and identification - coding principles for indicators and actuators
- IEC 60083 Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC
- IEC 60085 Electrical insulation
- IEC 60119 The Electrical Performance of Semiconductor Rectifiers (Metal Rectifiers)
- IEC 60204 Safety of machinery
- IEC 60228 Conductors of insulated cables
- IEC 60417 Graphical symbols for use on equipment
- IEC 60439 Low voltage switchgear and controlgear assemblies
- IEC 60445 Basic and safety principles for man-machine interface
- IEC 60446 Wiring colours
- IEC 60748 Semiconductor devices – integrated circuits
- IEC 60793 [Optical fibres](#)
- IEC 60874 Connectors for optical fibres
- IEC 61071 Capacitors for power electronics
- IEC 61554 Panel-Mounted equipment - Electrical measuring instruments - Dimensions for panel mounting
- IEC 61537 Cable management – Cable tray systems and cable ladder systems
- IEC 61587 Mechanical structures for electronic equipment
- [IEC 61850](#) Communication Networks and Systems for Power Utility Automation
- [IEC 62061](#) Safety of machinery: Functional safety of electrical, electronic and programmable electronic control systems
 - [IEC 62455](#) Internet protocol (IP) and transport stream (TS) based service access

Annexure-IV

Price Schedule Form		
Summary Sheet		
SN	Summary Heads	Amount
1	2	3
1	Total Ex-factory, Packed	
2	Transportation	
3	Insurance	
4	GST/Custom Duty	
5	Total Supply Price delivered at Site (1+2+3+4)	
6	Total Installation & Commissioning with GST	
7	Total Bid Price (5+6)	

Note:

1	Bid must be submitted strictly as per this pro forma (items break-up sheet shall be submitted in hard copy in sealed envelope at office address mentioned in IFB with marking of "DO Not Open Before").
2	Amount against Sr. No 1 to 3 & 7 must be the total worked out in items break-up sheet.
3	Please quote charges for transportation (Sr. no 4) and insurance (Sr. no 5) as a percent of ex-factory, packed (Sr. No 1).
4	List of Spares with unit prices, valid for one year, must be submitted.
5	All the bidders have to submit price considering Full custom duty. In all the cases all the responsibility till commissioning of the plant will remain of Bidder/Supplier.

Signature of Authorized Signatory of Bidder/Supplier

Payment term for the tender:

Payment for supply, installation and commissioning contracts must be strictly as below:

- 1) 20% advance of total contract value (Supply + Erection & Commissioning) on submission of following:
 - (i) Acceptance of the order i.e.
 - a. Submission of the Duplicate copy of the order duly signed by the authorised signatory putting stamp of the Organisation.
 - b. Against a bank guarantee for equivalent amount valid for 60 days beyond the stipulated delivery (as per schedule of delivery/supply)/ completion period.
- 2) Payment against Supply and erection of equipments/material:
 - a. 65% progressive payment of supply value against safe receipt of goods at site.
 - b. 65 % payable on erection value on progression of erection within 30 days.
- 3) 15% balance payment within 30 days of satisfactory commissioning of the plant. On submission of:
 1. The Performance Security shall be in the amount of 15% of the Contract price up to sixty days after the date of completion of performance obligations including warranty obligations.

Notes: a) Payment shall be made on complete supply of an item/group of items specified in the contract. No payment specified in the contract. No payment shall be made if supply of an item/group of items is incomplete.

b) For all the payments to be made against bank guarantees, The Bank Guarantees should be obtained from Nationalized Bank or ICICI Bank, HDFC Bank, IDBI Bank, Kotak Mahindra Bank or acceptable Bank by AFD.

Liquidated Damages

Bidder/Supplier fails to deliver any or all of the Goods or perform the Services within the time period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages as under:

a. For the Supply Component:

A sum equivalent to 0.5% of the delivered price of the delayed goods (As per the price break up furnished by the supplier and accepted by the Purchaser, which the supplier fails to supply within the time period specified in the contract for each week of delay.

b. For the Erection and Commissioning Component:

A sum equivalent to 0.5% of the un – executed portion of each week of delay or part thereof beyond the time specified in the contract for the successful completion of the plant.

The total amount so deducted as per above, shall not exceed 5% of the Contract value. Once the maximum is reached, the Purchaser may consider termination of the Contract.

QUALIFICATION APPLICATION

Qualification Application Form

You must submit this form (Table 2 and 3), duly filled in, along with the supporting as per following checklist given in Table 1:

Table 1 Checklist for Supportings	
Supportings Required	Please (√)
Latest Balance sheet filed with (Name of Authority) on (Date)	
Latest Profit & Loss Statement from (date) to (date) filed with (Name of Authority) on (date).	
Audited copies ¹ of annual accounts and P & L account of past 3 years	
Certificate of Financial Soundness from Bankers of Bidder /Suppliers	
Income Tax Clearance Certificate (Latest)	
Sales Tax Clearance Certificate (Latest)	
Details of Income Tax Registration	
Details of Sales Tax Registration	
Organization Chart	
Annual Report of last three years	

¹ Indigenous Bidder/Suppliers must attach copy of accounts audited under section **44 AB of Income Tax Act**. In case the accounts need not be audited, a Chartered Accountant or Manager of a Nationalized Bank should attest the information in this statement.

**Table 2
Financial Soundness**

General Information			
Name			
Address			
Phones			
Mobile			
Fax			
E-mail			
Contact Personnel with designation			
Financial Information			
S N	Description		Value (Rs)
1	Cash	In Bank	
		In Hand	
		Total	
2	Fixed Assets	Gross	
		Net	
3	Current Assets	Inventories	
		Others	
		Total	
4	Current liabilities	Bank Cash Credit	
		Sundry creditors	
		Others	
		Provisions	
		Contingent Liabilities (including claims not acknowledged, please specify)	
		Total	
5	Capital	Share capital	

		Free reserves	
		Other reserves (please specify)	
6	Term loans from financial institutions and banks		
7	Working capital		
8	Net worth		
9	Debtors and advances considered good	More than 6 months	
		Less than 6 months	

Significant Financial Ratios			
SN	Ratio	Definition	Value
1	Current	Current Assets to Current Liabilities	
2	Acid Test	(Cash + temporary investment held in lieu of cash + current receivable) / current liabilities	
3	Solvency	Total Liability to Net Worth	
Net Profit before Tax			
SN	Period		Value
1	Current period		
2	During the last Financial Year		
3	During the year before last Financial Year		
Financial Arrangements			
SN	Resources		Amount
1	Own		
2	Bank Credits		
3	Others (Specify)		

Sales			
SN	Category of Customers	Value of orders to be executed/ anticipated Sales	
		Current	Next Financial Year
1	Government Department		
2	Commercial		
3	Others		
	Total		
Annual Turnover			
SN	Financial Year (Please begin with current year)		Turnover
1			
2			
3			
4			
5			
6			

**Table 3
Technical Competency**

Classifications		
SN	Category	Please (√)
1	Manufacturer	
2	Clearing & Forwarding Agent	
3	Stockist	
4	Wholesale Dealer	
5	Authorized Reseller	
6	Authorized Service Agent	
7	Retailer	
8	Trader	
9	Others (please specify)	
Details on Plant		
SN	Plant	Details
1	Location	
2	Description	
3	Type	
4	Size of building	
5	Is property on lease or free hold?	
6	If on lease, indicate date of expiry of lease in each case.	
7	Others (please specify)	

Plant Facilities					
SN	Facilities	Ans	Remark		
1	Space available for manufacturing (in m2)				
2	Space available for storage (in m2)				
3	Space available for inspection (in m2)				
4	Are buildings fire resistant? (Y/N)				
5	Are premises approved by Municipal fire Department? (Y/N)				
6	Are buildings under Municipal fire protection?				
7	Are power & fuel supply adequate to meet production requirements? (Y/N)				
8	Are adequate transportation facilities available? (Y/N)				
9	Are safety measures adequate for performance of proposed contract? (Y/N)				
10	Is adequate material handling equipment available? (Y/N)				
Testing Facilities					
SN	Facilities	Details			
1	List testing equipment available				
2	Give details of tests to be carried out on items offered.				
3	Details of the testing organizations available.				
Quality Control Organization					
SN	Quality Control Method	Response			
1	Are goods offered subject to Batch Test, Random Sampling or full 100% test for				
2	Are tests carried out by factory employees or by a separate testing agency?				
3	Are independent Quality Control Organization checks made and certificates				
Manufacturing Capacity					
SN	Description of Equipment	Capacity	Units Manufactured		
			Current year	Last Year	2nd last year
1					

2					
Personnel/ Organization					
SN	Personnel in	Numbers in levels			
		Managerial	Supervisory	Skilled Workmen	
1	Production				
2	Marketing				
3	Installation and commissioning				
4	Service				
5	Spare parts				
6	Administrative				
Service Center nearest to our site location					
Location					
Phone no					
SN	Information required on			Details	
1	Number of skilled employees				
2	Number of unskilled employees				
3	Number of engineering employees				
4	Number of administrative employees				
5	List of special repair/ workshop facility available				
6	The storage space available for spare parts (in m2)				
7	Value of minimum stock of spares available at all the service centres in respective currency				
8	List of the models/ types of equipment serviced by the Centre in last 2 years				

References ²						
SN	Name of Organization	Address, Telephone, Fax, Contact Person				
1						
2						
List of components usually subcontracted						
1						
2						
Workload for the current and forth coming financial year on quarterly basis						
SN	Financial Year	Quarterly Workload as % of Total Capacity				
		I	II	III	IV	
1	Current Financial Year					
2	Next Financial Year					
List of major projects of similar size and nature previously executed						
SN	Name of the client	Project	Year of award	Year of completion	Capacity/ Products	Value (Currency)
1						
2						
3						
4						
Type of equipment manufactured and supplied (M & S) during last 2 years						
SN	Equipment	Capacity	Qty	Projects	On Hand Order Qty	
1						
2						
3						
4						

² Names of two buyers to whom similar equipment are supplied, installed and commissioned in the past and to whom reference may be made by the AmulFed Dairy, Gandhinagar regarding the Bidder/Supplier's technical and delivery ability:

Type of equipment manufactured, supplied, installed and commissioned (MSIC)					
SN	Equipment	Capacity	Qty	Projects	On Hand Order Qty
1					
2					
3					
4					
Schedules for furnishing technical data and certified drawings after receipt of orders					
1					
2					
Number of weeks required for preparing a bid proposal					

Collaborators' Authorisation Form

Collaborators' Authorisation Form

Reference

Dated

General Manager

AmulFed Dairy, Gandhinagar

Plot No. 35, Near Indira Bridge

Ahmedabad - Gandhinagar Highway

Vill.: Bhat, Dist.: Gandhinagar - 382428

Gujarat, India

Dear Sir,

Bid Reference: MD/EXP/PKS/2015/1

We, (Name of the Collaborator), an established and reputable supplier of Technology and goods (Name of Technology & Goods) do hereby authorize (Name and address of **Agents**) to bid, negotiate and conclude the contract with you against Bid Reference: MD/EXP/PKS/2015/1 for the above technology & goods supplied by us.

No company or firm or individual other than (Name of your sole agent/ distributor) are authorized to bid, negotiate and conclude the contract in regard to this business against this specific Bid. (Strike out this, if not applicable)

We hereby extend our full guarantee and, warranty for the technology and goods offered for supply against this invitation for bid by the above firm.

Yours faithfully,

(NAME)

For and on behalf of

(Name of Manufacturers)

Note:

This letter of authority should be on the Letterhead of the Collaborators' concern and should be signed by a person competent and having the power of attorney to bind the Supplier.