



BIHAR STATE MILK CO-OPERATIVE FEDERATION LTD.

UNIT - NALANDA DAIRY, BIHAR SHARIF DAIRY PROJECT
AT - BIJWANPAR, P. O - RANABIGHA, BIHAR SHARIF - 803101

PHONE No - 06112 - 233366, FAX - 06112 - 233365

Email - nalandadairy@gmail.com ND-PUR-REC-02 ISSUE NO1.00/01.03.16

Enquiry

COMFED:ND:PUR.: 2084

Date: 02-09-2025

Dear Sir,

Sealed offers are invited from the company/supplier who is having valid authorization certificate for supply, Installation, Training and Commissioning of QR code Integration Software, QR Code Printer, Label Rewinder and Labels on F.O.R. Basis at Nalanda Dairy, Bihar Sharif as per details give below and attached documents.

For details specification, technical and terms conditions Please refer to our attached documents. (Annexure- A & B)

It is important to write the enquiry ref. no. and last date of its receipt on the envelope clearly.

Earnest Money Deposit: Rs. (NIL)	Last Date of receipt of Quotation: 06.09.2025. 15:00 Hrs.
Offer validity: 90 Days	Place of delivery: Nalanda Dairy, Bihar Sharif Dairy Project, Nr. Police Lines, Nalanda- 803101 (Bihar)

Note- If the offer is submitted through mail, it must be the password protected else offer will be rejected and no further correspondence will be made in this regard.

All quotations should be sent by Registered Post / Courier/Through E-mail/by hand addressed to chief Executive, Nalanda Dairy, Bihar Sharif (Nalanda)-803101.

Latest by date 06.09.2025. 15:00 Hrs.

Thanking You.

For Bihar State Milk Co-op. Fed. Ltd


Chief Executive

Cc To: - 1) All Milk Union/Units: Request to display on your notice board.
2) Notice Board, Nalanda Dairy, Bihar Sharif.
3) All Committee Members, Nalanda Dairy, Bihar Sharif.
(I/c Account, I/c Plant, I/c Engg. and I/c Powder Plant)

H.O. : - DAIRY DEVELOPMENT COMPLEX, P.O. -BIHAR VETERINARY COLLEGE, PATNA - 800014 (BIHAR)

Phone : 2224083, 2228953, 2228347, 2220387, Fax : 0612-2228306

E-mail : comfed.patna@gmail.com Website : www.compfed.co.in



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Annexure- A

TENDER DOCUMENT FOR SUPPLY, INSTALLATION, TRAINING AND COMMISSIONING OF QR CODE INTEGRATION SOFTWARE, QR CODE PRINTER, LABEL REWINDER AND LABELS AT NALANDA DAIRY

BIHAR

Scope of Work:

Indian Army wishes to implement the traceability system, **IAFT (Indian Army Food Traceability)** through DataKart Trace - GS1 barcoding on supply of UHT MAP milk Supplied to Armed Forces across India. To Meet these traceability goals, Indian Army implemented the DataKart Trace - EPICS system through GS1 India to ensure end-to-end traceability of UHT MAP Milk supply chain movement. To implement IAFT system for UHT MAP Milk supplied to Army by **Nalanda Dairy**, **Nalanda Dairy** invites tender in two cover system for selection of supplier For SUPPLY, INSTALLATION, TRAINING AND COMMISSIONING OF QR CODE INTEGRATION SOFTWARE, QR CODE PRINTER, LABEL REWINDER AND LABELS AT **NALANDA DAIRY** as per the prescribed

APPROX. REQUIREMENT FOR SUPPLY, INSTALLATION, TRAINING AND COMMISSIONING OF QR CODE INTEGRATION SOFTWARE, QR CODE PRINTER, LABEL REWINDER AND LABELS

HARDWARE & SOFTWARE		
S. No.	Requirement	Quantity
1	Supervisory Middleware Software	1
2	Label Printer	1 SET
3	Label Rewinder	1 SET
5	Hand Held QR code Scanner	1 EA
6.	Installation & Commissioning	1 EA
CONSUMABLE		
7	Paper Labels	75 Rolls (1000 Labels per roll)
8	Ribbon	50 Ribbon (110 x300m)



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Technical Specification

A. Supervisory application/ Middleware Software for IAFT GS1 fulfillment

Bidder shall provide the software to meet the following requirements: -

1. Development and hosting of TRACEWEIGH web application to implement barcode labeling system for MAP supply of milk as per IAFT standards.
2. Integration and management of primary and secondary QR codes generated from GS1 portal.
3. Cloud / On Premises hosted IOT (Internet of Things) ready software application which can integrate with third party hardware for Label Printer, Handheld Barcode Scanner, Label applicator, etc.
4. Automated Database Backup of Batches of QR codes produced and dispatched should be made compulsory available, Backup should be available of last 24 hours.
5. The bidder (system integrator) will be responsible to provide latest version / upgrade / patches of the implemented software solution as per changes made mandatorily by GS1, released time to time. Additional costs may apply as agreed

1. Application Functional Requirements: -

- Pull Batches from GS1 portal.
- Pull Primary / Secondary barcodes generated in aggregated or un-aggregated formats from GS1 Site.
- Support for aggregation in real-time with multiple line – Aggregation Listener API to validate primary QR code.
- Label Pre-Printing Module for printing primary QR codes and Secondary QR codes on Label with help of Label Printer and Label Re-winder / optionally for Auto Labeller.
- Aggregation JSON/XML/CSV builder for posting Batch Data to GS1 portal.
- Uploading production data to GS1 site with aggregated Primary & Secondary Barcodes batch wise after marked for production.
- Managing Left over QR codes
- Production / Packing reports of Uploaded Data to GS1 site or remaining to upload.
- Reprinting of Damaged QR code Labels
- User Administration Module with user roles and security.
- Management Information System (MIS) reports – reports to be provided (example, number of QR codes generated in day/week/month, etc.) as per requirement from the management.
- System should be scalable as API Integration facility to integrate application with ERP in future to be there as and when required.

2. Content to be print on labels:

- 12 QR codes generated from GS1 site each of 14mm * 14 mm size (Of primary pack exactly on die cut part of 15 mm width and 20 mm height) each QR followed by their unique serial numbers pulled from GS1 site.
- 1 QR code of Secondary pack of size 50mm* 50mm (Width * Height)



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- Nalanda Dairy logo of 30 mm *20 mm (Width * Height)
- Content liable to change, as per specifications issued by GS1 /Army time to time.

3. Installation Commissioning and On site Training

- **Single Point of Contact (SPOC):** The bidder (system integrator) will provide one point of contact for NALANDA DAIRY for all issues/resolution faced during implementation period.
- **Documentation:** Product documentation / online support / remote support for software and hardware to be provided.
- **Training:** Onsite for the usage of application will be provided by the system integrator for 2-3 days, based on mutual agreement between both the parties (tenderer and bidder)
- **Warranty & Post Go-Live support:** System integrator will provide 12 months post go-live warranty support, cost of which will be included in the 1st year price, no extra cost to be charged for this.
- **Post Warranty :** AMC for hardware and Software support charges and hosting charges to be quoted separately

4. Other Requirements & Assumptions

- **Network Connectivity** of server PC All local / LAN / WAN / WIFI networking costs and availability to be arranged by NALANDA DAIRY.
- **PC Requirement :** PC to run software module will be in NALANDA DAIRY scope successful bidder have to inform about specification of PC required to run software smoothly.
- **If on-premise server module** has to install, then hardware required for server will be in scope of bidder and cost shall be included in the software cost however bidder has to submit cost for both Server and software cost separately when asked by procurement authority.

B. Label Printer

Label Printer (Industrial Label Printer – ZT411N with template Configuration)		
Sr. No.	Specification	Requirement
1	Resolution (min)	300 DPI
2	Print Width	4.09 Inch
3	Print Length (Min.)	5 Inches
4	Minimum Print Speed: (Min)	14 inch/Sec
	Memory	Min 256 Mb Ram Memory (8 Mb User Available)
6	Printing Method	Thermal transfer and direct thermal printing
7	Communication Ports	Min USB 2.0 or higher, high speed
		RS-232 Serial (RS-232C with DB9F
		10/100 Ethernet: Supports networks
8	Power Supply:	220-240V- 50Hz



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9	User Interface	Touch display with intuitive menu for quick operation and settings management
10	Integration with GS1 Barcoding	Direct print from web browser using TRACEWEIGH application and loading of templates / formats for print QR as per GS1 QR guidelines

C. Label Rewinder

Label Rewinder		
S. No.	Specification	
1	For Label Inner Core Diameter	76 mm
2	For Label Roll Diameter (For reference)	Up to 300 mm
3	For Label Width (Minimum) (For reference)	4.09 Inch
4	Power Supply:	220-240V- 50Hz
5	Label Rewinder speed of rewinding should be Compatible to Printer speed offered by bidder and Auto-Speed Adjustment to align with printer speed	

D. HHT Terminal - Hand Held QR code Scanner

Sr.	Specification	
1	HHT - Hand Held QR code Scanner	Hand Held Barcode reader To Support Both 1d , 2d and QR Codes With Sim Support and Wifi support and capable to run Datacart Application of GS1
		Min Memory:4gb Ram/64gb Flash Memory
		Sim: min.1 Sim Slot
		Touch Panel: Capacitive Touch Panel: Multi Touch
		With Standard Battery
		On Screen Keypad
		A Rear Camera Of 13 Mp for Accurate Barcode Scanning.

E. Chromo Paper Labels with Ribbon

6.1 Chromo Paper Labels with Ribbon		
Sr.	Specification	
1	Label Width	105 ±5 mm
2	Label Length	125 ±5mm
3	Label GSM (min.)	62 ± 5 %
4	Label Roll core diameter	76 mm
5	Label Roll total	Up to 300 mm
6	Release paper / Adhesive	Double / Two adhesive layers
7	Face stock	A smooth white semi - gloss paper
8	High Grade Resin Ribbon for Chrome Paper label	length and Width of ribbon should be as required for 105 ±5 mm width label

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9	12 +1 Piggy backed diecut labels having 12 Die cut piggy labels (Primary labels Removable one more time after pasting labels on CBX/Tray to paste on primary packs when required. And one Secondary Packing QR code label)	
6.2 Ribbon		
10	Grade/Size	High grade Wax Resin Ribbon for Chromo Paper Label Size: 300m x 110mm. Compatible with above labels and should be compatible with label applicator if required

F. Delivery and Completion Schedule

- Supplies are required to be made directly to the Nalanda Dairy within 2 weeks and maximum upto 3 weeks from the date of dispatch of work orders or as settled with the bidder or as provided in acceptance of bid and letter of approval, for all the purchase orders being placed on the supplier.
- The above period of execution will be counted from the date of receipt of material at site.
- Installation, commissioning and training should be completed within 5 to 10 Days after receiving the machinery / software at site.
- Future order for Labels will have to Deliver within 30 days of time period from the Date of purchase Order.

G. Terms of Payment

- 50% Payment shall be made in advance against acceptance of Purchase order.
- 30% Payment shall be made after completing delivery of materials at our site.
- 10% Payment shall be made within 10-15 days against successful commissioning of the said equipment's.
- Rest 10% Payment shall be release after successful completion of one year or against submission of Bank Guarantee of Validity one year of said value.

H. Warranty/Guarantee

- The warranty/Guarantee shall remain valid for 12 months for the date of commissioning of the said equipment's.



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Annexure- B

FINAL OFFER SUMMARY

S. No.	Item Description	Quantity	Unit	Basic Rate	Basic Amount	ADD 18% GST	Final Price incl GST
1	TC-26 HHT – Hand Held Barcode Scanner	1	Nos				
2	ZT411N Label Printer	1	Nos				
3	GS1 TraceWeigh Development / Deployment Platform On boarding / Application License	1	Nos				
4	Installation / Training o						
5	Ribbon – SMR-132	50	Nos				
6	Paper Label SM-4x5pb	75	Nos				
7	LMR-042 Rewinder	1	Nos				
				TOTALS			


Chief Executive