



**ERNAKULAM REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.
P.B.NO.2212, EDAPPALLY, KOCHI – 682 024
PHONE: 0484 – 2541193**

No. EU/PC/774/NPDD/LAB/2020

**TENDER FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF
SODIUM POTASSIUM ANALYSER FOR STATE CENTRAL LABORATORY,
EDAPPALLY**

**ERNAKULAM REGIONAL CO-OPERATIVE MILKPRODUCERS' UNION LTD.
P.B. NO. 2212, EDAPPALLY, KOCHI – 24
Phone-0484-2541193, 2556863**

No. EU/PC/774/NPDD/LAB/2020/

10.07.2020

TECHNICAL CUM COMMERCIAL TENDER NOTIFICATION

The Managing Director, Ernakulam Regional Co-operative Milk Producers' Union Ltd (ERCMPU) invites sealed technical cum commercial tender for the Supply of Sodium Potassium analyser for State Central Laboratory at Edappally.

Interested and eligible bidders may download the tender form from our web site www.ercmpu.in. The cost of tender form should be submitted as Demand Draft along with EMD in favour of "MANAGING DIRECTOR, ERCMPU LTD" payable at Edappally. Details are given hereunder.

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| 1. Reference No | : | EU/PC/774/NPDD/LAB/2020 |
| 2. Price of bidding document (non-refundable fee) | : | Rs. 100/- (incl. tax) |
| 3. EMD | : | Rs. 1800/- |
| 4. Last Date /Time for submission | : | 24.07.2020 – 2:00 P.M. |
| 5. Date /Time of opening Technical Tender | : | 24.07.2020 – 2:45 P.M |
| 6. Place of opening Tender | : | Head Office, Edappally. |
| 7. Bid validity | : | 90 days from the date of bid opening |
- The bid shall be submitted in two cover system consisting of technical bid and price bid. The price bid of those who qualify in the technical bid only will be opened.
 - All bids must be accompanied by a Bid security (Earnest Money) as specified above and must be delivered to the office of ERCMPU at Edappally on or before the last date and time of submission of bids as given above.

MANAGING DIRECTOR

Copy to: Dairy Manager, EKM/TCR/KTYM/PD/KTPNA
Manager (QC), Manager (Engg.) Manager (P&I), Asst. Manager (P&I)
Moovattupuzha, Adimali, Chalakkudy, Manager (Engg), Manager (F&A),
all Department Heads, All Notice Boards, ERCMPU official website, Mf/Oc

SPECIAL TERMS AND CONDITIONS

- 1 **Downloading of tender document:** Tender document will be available for download on www.ercmpu.in. However, tender document fee should be submitted as Demand Draft along with EMD in favour of "Managing Director, ERCMPU Ltd" payable at Edappally.
 - 2 **Publishing of Corrigendum:** All corrigenda shall be published on www.ercmpu.in. and shall not be available elsewhere.
 - 3 **Bid submission:** Bidders have to submit their bids along with supporting documents to support their eligibility in envelope duly sealed and super scribed as "Tender for the supply of Sodium Potassium analyzer" in which the technical bid and commercial bid/price bid shall be in separate sealed covers in which super scribed as "Technical bid" and "Price Bid". The Demand Draft for EMD and Tender document fee to be enclosed in the Technical bid cover.
 - 4 **Opening of Technical Bid and Bidder short-listing:** The technical bids will be opened, evaluated and shortlisted as per the eligibility and technical qualifications. All documents in support of technical qualifications shall be submitted along with the technical bid. Failure to submit the documents will attract disqualification. Bids shortlisted by this process will be taken up for opening the financial bid.
 - 5 **Opening of Financial Bids:** Bids of the qualified bidder's shall only be considered for opening and evaluation of the financial bid on the date and time mentioned in Tender document.
 - 5.1 The Bidder may quote their reasonable/lowest rate. The rate quoted shall clearly indicate the Basic price, Excise duty, GST (%), Freight, Insurance, Entry Tax (%), P&F, Erection charges and any other statutory/incidentals etc. in complete. No other extra payments will be made. The rate quoted shall be valid for a period of 3 months from the date of opening.
 - 5.2 The bidder should also submit the necessary brochures and this tender document with the offer after signing at the bottom of each page as a token of acceptance of the terms and conditions and specification.
 - 5.3 Delivery Details: The equipment shall be delivered at the designated site of ERCMPU. The supply shall be completed within 10 days on receipt of the order.
 - 5.4 The quotation notice can be downloaded from our website www.ercmpu.in.
 - 5.5 The Bidder should have registration under GST. The registration number is to be indicated in the quotation.
 - 5.6 The filled and super scribed quotation in the prescribed price quote format should
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be received in this office on or before 24.07.2020 at 2.00 PM and the same will be opened at 2.45 PM.

- 5.7 Managing Director reserves the right to accept or reject any or all the quotations without assigning any reason.
- 5.8 The prices finalized are fixed during the validity of contract period.
- 5.9 Taking in to consideration, the Technical Competence and the quoted price for the goods of specified quality, the tender shall be evaluated.
- 5.10 In case of any disagreement or dispute arising between ERCMPU & the supplier, the decision of Managing Director, ERCMPU shall be final.
- 5.11 The details can be had from our office during office hours.
- 5.12 The EMD shall be in the form of:
- By Demand Draft (valid for a period of 3 months) from a Nationalized/scheduled Bank drawn in favour of The Managing Director, ERCMPU, payable at Edappally, Kochi.
 - Any quotation without EMD shall be treated as non-responsive & shall be liable for rejection.
 - Un-successful tenderer's EMD shall be discharged / refunded as promptly as possible as but not later than 60 days after expiry of tender validity. The EMD shall not carry any interest.
 - The EMD of successful tenderer shall be discharged only after the supply of item.

ELIGIBILITY CRITERIA

- a) The bidder should be in business as Supplier of Laboratory equipments in university Dept., Research Laboratories, FSSAI referral/reference Laboratories/ State Co-operatives/Public sector for a minimum period of five years at the time of bid opening in the same name.
- b) The bidder shall have supplied at least two equipments of similar nature and value of the estimated cost during the last five years.

PAYMENT TERMS

- 30% advance on acceptance of the order, signing the agreement and against a bank guarantee for the advance payment for an equal amount from a nationalized bank or from a reputed scheduled Bank valid till delivery.
 - 60% payment on completion of installation, testing and commissioning of the items on group basis.
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- Balance 10% payment will be retained as performance security. This can be released on submission of a bank guarantee for an equal amount, from a nationalized bank or from a reputed scheduled Bank valid for the entire guarantee period+ one month

WARRANTY/EXPIRY

You shall guarantee to repair/ replace the item supplied or part thereof if found defective due to bad designing, workmanship or substandard material without any extra cost within a period of 3 years from the date of successful commissioning. The entire expenditure towards replacement/ repair shall be borne by you.

TECHNICAL SPECIFICATIONS

General:

To detect adulteration in milk through analysis of content of sodium, potassium and calcium. Display concentration units of ppm and meq. Auto calibration and automatic filter selection. Shall supply with minimum Two Filters (Na and K), Air Supply Unit consist of Air Compressor, Pressure Gauge, Pressure Regulator, Air Filter, 2 Meters PU Tube, Mini Air Tank, Atomizer Tube, Sample Beaker (06 Nos.), Gas Lighter, LPG Tube, Power Cord, suitable software , USB Interface Cable, Operational & Instruction Manual, Calibration Test Certificate and Warranty Card.

Printer attachment and PC connecting compatibility. Facility for Sample data storage for more than 500 Results with relevant details to be provided with data protection facility . Alphanumerical key board for easy data entry. Graphical LCD Display. Curve calibration using 5 standards. Multiple calibration curve saving facility.

Range:

Sodium : 0-100 ppm or better.(UP TO 250 MEQ/L IN 1:100 Dilution)

Potassium:0-100ppm or better.(UP TO 250 MEQ/L IN 1:100 Dilution)

Calcium: 10-100 ppm or better.(UP TO 250 MEQ/L IN 1:100 Dilution)

Lithium: 0.5-100 ppm.(UP TO 250 MEQ/L IN 1:100 Dilution)

Barium : 15 ppm

Sensitivity: Na: 0.5 ppm, K: 0.5 ppm, Li: 0.5 ppm, Ca: 15 ppm, Ba: 15 ppm

Sample volume: minimum 3.5ml aspiration time 30 secs.

Filters : for sodium, potassium, lithium and calcium. Automatic by soft touch key

Resolution :0.1 ppm/meq.

Linearity: better than <3% of FSD. Unit of measurement -ppm

Range selection : automatic

Reproducibility: <2% Coefficient of Variation (CV) for 20 consecutive samples using 10 ppm Na set as maximum standard.

Curve Fitting Accuracy: <2% error when 3 ppm Na/K and 5 ppm Li are set as maximum standards.

Display: 20 x 4 Line Alphanumeric LCD with Backlit

Key Pad: Membrane water proof polycarbonate soft touch keypad compliance to UL/ROHS

Calibration: With Highest standard , Upto 5 standards per Elements with Curve Fitting Software in-built with Instrument. (Automatic calculation of curve coefficient) . Five elements in single aspiration OR one by one.

Calibration Data storage: Non Volatile Memory which can store, print & view last calibration data, calibration date & time, company name, calibration done by, calibration standard etc

Analysis of sample: Five elements in single aspiration OR one by one

Detector: silicone photo diode

5 point calibration with curve fitting software.

Flame type: LPG and dry oil free air, auto flame detection facility.

Gas control: Fully adjustable LPG and dry oil free air with automatic cut off on power failure.

Auto ignition and axial flow type atomizer.

Air supply unit: Air Compressor, Pressure Gauge, Pressure Regulator, Air Filter, 2 Meters PU Tube and Mini Air Tank

Power: 230 V +/-10% AC 50 Hz.

Compressor: Oil free compressor unit with pressure regulator & gauge, built in air filter to supply moisture free and oil free air to the unit.

PC Interface: USB Interface Cable with Driver, software to transfer data in GLP Format from Instrument to PC in non-editable format and with password protection.

Software supports OS upto Windows 10, 32/64 bits system.

Printer Interface: Centronics Parallel Port / Serial Port

Printer : 40 / 80 Column Dot Matrix Printer

PRICE QUOTE FORMAT

The Managing Director
Ernakulam Regional Cooperative Milk Producers Union Ltd,
Edappally

Sir,

Ref: Tender Notification No. EU/PC/774/NPDD/LAB/2020/ dtd 10.07.2020

With reference, I/We herewith submitting my/our Price Schedule for the item indicated below:-

Sl. No	Item description	Qty	Basic Rate in figures to be entered by the bidder (Rs.)	GST in (Rs.)	Any other Taxes/Duties/ Levies in (RS.)	Freight charges (Loading, unloading & stacking) (Rs.)	Total amount (Rs.)
1.	Sodium Potassium analyser	1 No.					

Total amount Rupees.....

Rate should be valid for 3 months

Work should be completed within 7 days from the date of issue of order.

Name & address of the Bidder

AUTHORISED SIGNATORY

Name & Designation:

Signature

P.S: If necessary, the tenderer can make use of the firm's letterhead to quote the price/s and enclose. However, this format shall be duly completed and signed/sealed.