

बिड दस्तावेज़ / Bid Document

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय / Bid End Date/Time	02-03-2026 19:00:00
बिड खुलने की तारीख/समय / Bid Opening Date/Time	02-03-2026 19:30:00
बिड पेशकश वैधता (बंद होने की तारीख से) / Bid Offer Validity (From End Date)	90 (Days)
मंत्रालय/राज्य का नाम / Ministry/State Name	Karnataka
विभाग का नाम / Department Name	Animal Husbandry And Fisheries Department Karnataka
संगठन का नाम / Organisation Name	Karnataka Milk Federation Ltd
कार्यालय का नाम / Office Name	Hassan Co Operative Milk Union Ltd
कुल मात्रा / Total Quantity	30
वस्तु श्रेणी / Item Category	Electronic Milk Analyser with adulteration testing equipment (Q3)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) / Minimum Average Annual Turnover of the bidder (For 3 Years)	79 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का) / OEM Average Turnover (Last 3 Years)	635 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष / Years of Past Experience Required for same/similar service	3 Year (s)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है / Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़ / Document required from seller	Experience Criteria, Past Performance, Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover, Additional Doc 1 (Requested in ATC), Additional Doc 2 (Requested in ATC), Additional Doc 3 (Requested in ATC), Additional Doc 4 (Requested in ATC), Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Payment Timelines	Payments shall be made to the Seller within 45 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	317730

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) / ePBG Percentage (%)	5.00
ईपीबीजी की आवश्यक अवधि (माह) / Duration of ePBG required (Months).	24

(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने है। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।/EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए। / EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

लाभार्थी /Beneficiary :

Managing Director
HASSAN CO OPERATIVE MILK UNION LTD, Animal Husbandry and Fisheries Department Karnataka, KARNATAKA MILK FEDERATION LTD,
(Mahesh H)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	No
---	----

एमआईआई खरीद वरीयता/MII Purchase Preference

एमआईआई खरीद वरीयता/MII Purchase Preference	No
--	----

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

4. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or

similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

5. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Electronic Milk Analyser With Adulteration Testing Equipment (30 pieces)

तकनीकी विशिष्टियाँ / Technical Specifications

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
Functional Parameters	Measured Parameters	Fat, SNF, Protein
Generic Parameters	Count of Samples for which reagents, consumables, spares & accessories are provided with Instrument	10000
	Built In Diagnostics to ensure accurate & error free operations	Yes
	POS Printer Provided with Instrument	No
Warranty & services	Warranty Extension in case of Breakdown for more than 30 days due to Manufacturing Defects/Faulty Spares	Yes
	Warranty from date of installation(System & all other parts) in years	1.0 (year)

Additional Specification Parameters - Electronic Milk Analyser With Adulteration Testing Equipment (30 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Accuracy of added water measurement will be +/- 5	Accuracy of added water measurement will be +/- 5

Specification Parameter Name	Bid Requirement (Allowed Values)
Count of samples for which reagents, consumables, spares and accessories are provided with instruments will be 60000	Count of samples for which reagents, consumables, spares and accessories are provided with instruments will be 60000

* Bidders offering must also comply with the additional specification parameters mentioned above.

परेषिती/रिपोर्टिंग अधिकारी तथा मात्रा/Consignees/Reporting Officer and Quantity

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Manasa Patel D S	573201,Hassan Co-operative Milk Union Ltd, B M Road, Industrial Estate, Hassan	30	15

क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें/Buyer Added Bid Specific Terms and Conditions

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 5 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modification required in the drawings within 10 days. Seller shall be required to ensure supply as per approved Drawings with modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing- the delivery period shall be refixed without LD for the period of delay in approval of Drawing.

3. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Concerned societies
Concerned societies
Concerned societies
Concerned societies
Concerned societies

4. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

5. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

6. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

7. **Generic**

Consortium: In case of Contracts, wherein the seller alone does not have necessary expertise, the seller can form consortium with other sellers for submission of the bid, with one of the consortium company as leader. However, each and every member of the consortium shall be equally responsible for the complete execution of the project contract. An undertaking to this effect is to be uploaded with bid.

8. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

9. **Generic**

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

10. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

11. **Generic**

For hazardous chemical/item, all precautionary measure as per regulation from the point of transportation/ handling/ storage/ safety/ health/ environment to be undertaken/ specified before dispatch. During dispatch, proper symbol for the hazard/ MSDS/ Batch No./ date of manufacturing/ Gross Weight/ Net Weight/ shelf Life etc are to be written/ printed/ pasted on the body of the packing.

12. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

13. **Generic**

IT equipment shall be IPv6 ready from day one.

14. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

- (a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
(i) Inhibit the desires and designed function of the equipment.
(ii) Cause physical damage to the user or equipment during the exploitation.
(iii) Tap information resident or transient in the equipment/network.
- (b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

15. **Generic**

Manufacturer Authorization:Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

16. **Generic**

Non return of Hard Disk: As per Buyer organization's Security Policy,Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.

17. **Generic**

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

18. **Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

19. **Generic**

The Buyer has an existing set up / inventory of similar products. The offered / supplied product must be compatible with existing system. The bidder has to ensure Compatibility of the supplied items or shall have to include in the supply the necessary hardware / software to make them compatible at no extra cost to the buyer. The details of items with which compatibility is required are as under:

1 year

20. **Generic**

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

yes

.

21. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

22. **Generic**

The seller is required to print logo as per buyer's requirement.

23. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

24. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

25. **Generic**

WORLD BANK TERMS AND CONDITIONS: Special Terms and Conditions as defined by world bank at [click here](#) will also be applicable. APPLICABLE ONLY IN CASE OF WORLD BANK FUNDED PROJECTS.

26. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

27. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

28. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

29. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

30. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

31. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

32. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

33. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

34. Certificates

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

35. Certificates

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

36. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

37. Certificates

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

Before supply

.

38. Warranty

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

39. Warranty

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope

3 years

(Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

40. Warranty

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training,

Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

41. **Warranty**

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

42. **Past Project Experience**

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc.

43. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

Managing Director
payable at
HCMPSUL

. Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

44. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

Managing Director
payable at
HCMPSUL

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

45. **Financial Criteria**

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

46. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

Technical Specifications **Electronic Milk Analyser with Adulteration Testing (EMAT**

)

1. Raw Milk Quality and Adulteration Screening Analyzer should be based on the Advanced Fully FTIR Technology i. e. approved by global agencies like AOAC International (Association of official Analytical Chemists), IDF (International Dairy Federation) 141:2013(E) and ISO (International Standards Organization) ISO9622:2013(E), or equivalent which recommends the application of FTIR Technology for liquid milk analysis.
2. It should use the recommended FTIR technology only for both compositional and adulteration analysis.
3. It should include an inbuilt calibration including a detailed “finger print” of the Milk Sample’s chemical composition.
4. Should be designed to be operated in field conditions of Chilling Centers, Bulk Milk Coolers and Village level Milk Collection Centers.
5. Should be able to indicate and signal the presence of any non-specific adulterant and any harmful or chemical adulterant apart from the specific adulterants as ABNORMAL sample.
6. Adulteration/Addition of Salt in Milk should not affect the SNF results.
7. It should compare the spectrum of the Sample Raw Milk with the spectrum of Pure Raw Milk that is built-in the FTIR analyser using statistical techniques (commonly used techniques in spectroscopy).
8. It should be able to give a DIRECT Measurement of FAT, SNF and PROTEIN and not a software calculated display.
9. It should be able to screen maximum number of common adulterants by the same FTIR technique at different concentration levels and Qualify the Milk as "Abnormal Milk".
10. The equipment should be able to screen and display minimum 12 adulterants atleast as per below mentioned adulterant list (a to e are mandatory):
 - Principal Adulterants:
 - a) Urea – LOD of 0.1% or lower
 - b) Ammonium sulphate – LOD of 0.1 % or lower
 - c) Maltodextrin – LOD of 0.6% or lower
 - d) Sucrose – LOD of 0.6% or lower
 - e) Added Water – LOD of 20% or lower
 - Other Adulterants: (minimum 7 from below mentioned adulterants with specified LODs by bidder)
 - f) Glucose
 - g) Sorbitol
 - h) Melamine
 - i) Sodium Chloride
 - j) Sodium Citrate
 - k) Starch
 - l) Hydrogen Peroxide
 - m) Formalin
 - n) Detergents
 - o) Sodium Carbonate
11. Adulterants displayed should have the specificity and not to be displayed in a group or generic class.
12. The equipment should be capable to screen adulteration by Urea, Sucrose, maltodextrin, starch, glucose, sorbitol etc., which enhance the SNF part of Milk. Also, if these adulterants are added within limits of detection (LOD), then machine should not record higher value of SNF attributed due to added adulterants within limit of detection.

13. It should be able to analyse raw unhomogenized Milk sample for Fat, SNF & Protein in the range of minimum to maximum range of
 - a. 0-12% Fat
 - b. 0-8% Protein
 - c. 0-14% SNF
14. Accuracy of the FTIR spectrophotometer milk parameters to be submitted by the manufacturer.
 - a. Fat $\leq 0.1SD$
 - b. Protein $\leq 0.10SD$
 - c. SNF $\leq 0.14SD$
15. Repeatability of the FTIR spectrophotometer milk parameters to be submitted by the manufacturer.
 - a. Fat $\leq 0.05SD$
 - b. Protein $\leq 0.05SD$
 - c. SNF $\leq 0.10SD$
16. Sample Carryover : < 1.0%
17. Analysis speed required : 40-50 seconds
18. Instrument warm up time : Maximum 20-30 minutes
19. Sample Temperature : Raw Milk should be able to be measured
In a temp range of 5-40 deg.C
20. Sample Volume : Should be less than 5ml.
21. Display : LCD, Graphical Display
22. Data Acquisition & Transfer : Facility of-PC based software should be provided. RS-232 and/or SD Card.
23. Manuals : Instrument should be supplied with Quick Guide, User Manuals
24. Training and Installation : Training and Installation services should be Offered along with the Instrument.
25. External Ultrasonic Stirrer : Not required, direct measurements.
26. Conformance : IP41
27. Power consumption : < 20W
28. Built-in Diagnostics : Interferometer test Cuvette test Stability test Cleaning Message display Error Message display.
29. Data Acquisition & Transfer : Data acquired from the Instrument should be able to be stored within the instrument using a transferable storage card. Data from the card should be able to be transferred to the locally available software through the available RS232C or through the Storage Card. All technical details required for transfer of data from the instrument to the locally available software should be made available by the supplier.
30. Consumables & Accessories : Instrument should be supplied along with spares, consumables and accessories for 6 months of operation
31. Manuals : Instrument should be supplied with Quick Guide, User Manuals
32. Training and Installation : Training and Installation services should be offered along with the Instrument
33. Installations in India : The instrument should be fully functional and installed at minimum 250 locations including reputed Co-operative Milk Societies and Private Dairies anywhere in India. Installation certificates of important locations to be provided.

Experience & Qualification Criteria: -

- 1 The Bidder should have regularly, manufactured and supplied & commissioned the same category products to NDDDB /KMF and unions or any cooperatives for 3 years before the bid opening date copies of relevant documents during to be submitted along with bid in support of having supplied 80 % total value of tendered quantity during Last three years in South India.
- 2 The bidders quoted model should be working in 2 KMF Milk Unions from Last 3 years that performance certificates should be upload/provided and the bidders supplied model should be satisfactory and should not be black listed in any of the KMF union.
- 3 Bidder shall provide detailed catalogues highlighting each of the required specification in the same along with their technical bids.
- 4 The successful bidder has to supply all essential accessories required for the successful installation and commissioning of goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price.
- 5 Wherever Authorized Distributors are submitting the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- 6 In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- 7 Successful bidders will have to ensure that adequate number of dedicated technical service personals/ engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing/rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.
- 8 Bidders who had failed to comply with earlier any contract conditions of Milk Co-operative unions / others organizations which resulted in short closure/any issues /penalty/ Cancellation of any contract are not eligible to participate in this tender.
- 9 The Bidder who has participated / supplied materials like AMCU, Analyzer, EMAT, EWS in Milk Co-operative unions or in our earlier tenders in any of the last five years and if the rejection rate of materials exceeds 10% of the quantity or poor service in the last tender such tenderers shall be liable for rejection.
- 10 The prescribed EMD should be submitted in the Portal and the MSME certificate will not be considered.
- 11 Achieved last three financial annual turnover with CA approved.
- 12 The Tenderer has to submit the Income Tax clearance Certificate for the Last 3 years and Balance Sheet (Profit & Loss Statement).
- 13 The Bidder has to attest the firm seal and signature in each of the Bid document.
- 14 Each tenderer should furnish the proof documents for the Pan Card, GST Certificate, ISO Certificate, Firm registration certificate, Authorization Certificate, solvency certificate etc,
- 15 All Other Statutory formalities details should be provided By the Contractor.
- 16 The bidder should have a service network and shall have service centre located in the vicinity of 200 km.
- 17 Tenderer should be demonstrating EMAT as per mentioned in the Tender Specifications.

- 18 Our milk union has all rights to disqualify the tender on failing any one of the above-mentioned requirements.
- 19 Payments will be done in a staggered basis according to the staggered supply.
- 20 Release of payments takes nearly 45 days from the date of each consignment.
- 21 HAMUL reserves the right to recover the direct losses and consequential losses if any, arising out of usages of material supplied by the contractor. The recovery of loss could be from both the present pending/future bills of the contractor OR from the EPBG submitted by the contractor.
- 22 HAMUL reserves the right for premature termination of all or any of the rate contractor and call for fresh tender without thereby incurring any liability to the affected contractor of any obligation to inform the affected contractor on the grounds of HAMUL action.

1. Payment Terms:

(a) 60% of the contract price of the goods (against detailed break up cost to be furnished by the Supplier in advance and accepted by the Purchaser) on receipt of goods at site and after inspection and approval of the Purchaser and after confirmation obtained regarding Payment of GST.

(b) 30% of the contract price of the goods on successful commissioning of the equipment.

(c) The balance shall be paid against bank guarantee issued by any Nationalised bank in India for the same amount for a period of 12 months plus 3 months claim period (total 15 months). OR on continuous satisfactory running of the complete plant for 12 months, on completion of other contracted services and accepted by the purchaser's representative. OR shall adopt any mutually agreeable payment terms.

2. Forfeiture of Performance security/Security Deposit:

The Performance Security/Security Deposit shall be liable for forfeiture in case of;

The Contractor's failure to Perform Contract as specified;

The termination of contractor by HAMUL for non Performance of Contractor;

Towards recovery of liquidated damages assessed against the contractor;

After award of contract, during inspection, if the contractor is proved not having the infrastructure as declared in technical tender part-1 to produce and supply the quality packing material/consumable/equipments the same shall be treated as breach of contract by the contractor. The contractor shall be liable for cancellation with penalty not less than performance security/security Deposit specified for particular material.

3. Guarantee on Quality of Goods:

3.1 The supplier shall have to guarantee the quality of goods supplied, Strictly as per specification of contract/purchase orders.

3.2 If the Material supplied is found not as per contract/purchase order specification

n, the material shall be liable for rejection . on intimation from HAMUL, the contractor shall have to arrange replacement material as per specification. If the supplier delays/fails to make arrangement on this alternative arrangement shall be debited to the account of supplier under contractor.

3.3 If supplier fail to make good this loss, the same shall be recoverable from the pending bills or security deposit.

3.4 The Contractor shall not indulge in supplying the rejected/returned materials. If the contractor is found indulging such practice the rate contract shall be liable for cancellation, forfeiture of security deposit and bank listing of firm.

4. **Import License:** No import License will be arranged by HAMUL for any items.

5. **Packing:**The Materials dispatched shall be packed with securely standard, Moisture proof packing, free from casual agents of infections and Parasites etc.

6. **Transportation/Delivery:** The Materials Supplied in full loads shall be delivered on "DOOR DELIVER" basis including Unloading Charges

7. **Inspection & Tests:**

1. Union shall have the right to test the goods to confirm their conformity to the prescribed specifications & also as per your samples.

2. Due to dispute between HAMUL & the Supplier, wherever the goods are referred for testing to third party laboratory, the testing charges shall have to be borne by supplier.

8. **Insurance:**

The goods dispatched under the contract on FOR DESTINATION BASIS shall be fully insured against loss or damage in transit.

The Supplier shall arrange insurance and pay for insurance naming the Hassan Co-Operative Milk Union Ltd., Hassan as the beneficiary.

The Supplier shall provide a copy of insurance policy along with invoice to Hassan Co-Operative Milk Union Ltd., Hassan.

The Supplier shall (a) initiate & pursue the claim till settlement % (b) Promptly make arrangement, irrespective of settlements of claim, by under writes.

9. **Dispute:** The Hassan Co-Operative Milk Union Ltd., Hassan & the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in the connection with the contract. However the decision of M.D., HAMUL shall be final & binding on Supplier

10. **Indemnity:**

16.1 The Contractor shall have to indemnify and also keep indemnified the HAMUL against any or all damages or losses etc., caused to HAMUL/UNITS, arising from any omission or Commission defaults of contractor/supplier. For which HAMUL shall not be responsible in any manner what so ever.

NOTE:-

- **Accuracy of added water measurement will be +/- 5**
- **Count of samples for which reagents, consumables, spares and accessories are provided with instruments will be 60000**

अस्वीकरण/Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.
16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

[यह बिड सामान्य शर्तों के अंतर्गत भी शासित है /This Bid is also governed by the General Terms and Conditions](#)

जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।/In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---धन्यवाद/Thank You---