



NAME OF ITEM / WORK	:	SUPPLY, INSTALLATION & COMMISSIONING OF CLOUD BASED MONITORING SYSTEM – 50 NOS. ON RENTAL BASIS FOR 3 YEARS FOR SELECTED BMC OF VARIOUS DCMPU LTD
TENDER NOTICE REFERENCE NO	:	3192/Proj.3/2022, Dated:04.04.2022

**PART - I
TECHNICAL BID**

THE TAMILNADU COOPERATIVE
MILK PRODUCERS' FEDERATION LTD
CHENNAI 600 035

Tender document issued to M/s. _____ Cost of Tender document remitted under receipt No. _____ Date _____ (or) Tender downloaded from website on _____ at free of cost

The Dy. General Manager (Engg.),
TCMPF Ltd.,.

TENDER INFORMATION

1. Name and address of the Purchaser	:	The Dy. General Manager (Engg.), Tamilnadu Cooperative Milk Producers' Federation Ltd., Head Office, Aavin Illam, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035. E-Mail: aavindgmeng@yahoo.co.in
2. Name and address of the User	:	The General Manager, Various DCMPU Ltd.,
3. Name of the Item / Work	:	Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,
4. Tender Reference Number	:	3192/Proj.3/2022
5. Tender Estimated Value	:	Rs.63.00 Lakhs
6. Earnest Money Deposit (EMD)	:	Rs.63,000.00
7. Cost of Tender Document	:	Rs.2,000/- + 18% GST and Rs.100/- extra by post either by cash or demand draft in favour of TCMF Ltd. payable at Chennai drawn from any Indian Nationalized Bank / Scheduled Commercial Bank. Alternatively, Tender documents can also be downloaded from the designated website at free of cost (i.e.) www.tenders.tn.gov.in and www.aavinmilk.com for submission of tender by post (or) courier / www.tntenders.gov.in for e-submission.
8. Sale of tender documents	:	From: 07.04.2022 To 26.04.2022 Time: 11.00 AM To 3.00 PM
9. Date of Pre-Bid meeting	:	Date: 20.04.2022 Time: 11.30 AM
10. Last date and time for submission of the two part tender – both technical and commercial bids.	:	Date: 27.04.2022 Time: 2.00 PM
11. Date and time of opening of Part I Technical Bid Document.	:	Date: 27.04.2022 Time: 2.15 PM
12. Date and time of opening of Part II Financial Bid	:	Financial Bid will be normally opened within 60 days from the date of opening of Part I pre qualifications-technical bid. The date of opening of Financial Bid will be informed to the eligible tenderers who are found and declared as qualified as per Part I technical bid.
13. Place of Sale of Tender Documents, Pre- Bid meeting & Part I Technical Bid and Part II Price Bid opening	:	The Dy. General Manager (Engg.), Head Office Tamilnadu Cooperative Milk Producers' Federation Ltd., Aavin Illam, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035.

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1.0. TECHNICAL BID – CHECK LIST

PREAMBLE OF TENDER:-

1.1. The Dy. General Manager (Engg.), Head Office, TCMPF Ltd. invites Bids by way of **E-Submission / OFF Line** from eligible bidders on behalf of The General Manager, Various DCMPU Ltd., by two cover system for Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,

1.2. BIDDER TO FILL IN THE CHECK LIST GIVEN BELOW:

(State YES / NO for each item)

Kindly ensure compliance of the under-mentioned requirements, as per Tender Terms and Conditions.

1.3. The tender is offered for:

S.N.	Name of the work	Remarks	
1	Whether two covers for each item have been was sealed separately as "Technical bid" & "Commercial bid" (whichever is applicable) and both the covers enclosed in a common overall envelope duly superscribed as "Tender for Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,"	Yes / No	
2.	Whether the EMD amount as detailed below is enclosed in the technical bid		
Item No.	Name	EMD amount	Remarks
1.	Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,	Rs.63,000.00	Yes / No
3.	If so, whether D.D. or Bank Guarantee is attached with the Tender offer - Part I / Tech.Bid		Yes / No
4.	If so, Details of D.D. or Bank Guarantee No. date, Bank on which drawn etc. may be furnished D.D./BG No(s)..... Dated..... For Rs..... Bank Name and Branch in favour of The Managing Director, TCMPF Ltd. payable at Chennai For E-submission the Earnest Money Deposit specified above may also be paid through online in TN e-Procurement Portal and scanned copy of proof for payment of EMD (ie. e-payment receipt) has to be uploaded.		Yes/No
5.	If EMD exemption is sought for, whether necessary documentary proof/evidence such as EM Part – II as per MSMED Act 2006 for SSI Certificate / Udyog Aadhar enclosed in the technical bid for tenderers from the state and if from outside the state (Tamilnadu) whether NSIC certificate enclosed		Yes / No

SIGNATURE OF THE TENDERER WITH SEAL

6.	Whether details of infrastructural facilities such as equipment / man-power / financial statement (FY - 2018-19, 2019-20 & 2020-21) details etc., are enclosed.	Yes/No
7.	Whether details of past experience (i.e) Purchase order copy(s) for supplied a minimum 50% of tender quantity of Cloud Based Monitoring System on rental basis	Yes/No
8.	Whether satisfactory performance certificate from client(s) for the above such supply with features mentioned in the technical specification tendered are enclosed	Yes/No
9.	If so, whether necessary supportive documents such as attested copies of Supply Order / Work order, delivery challans, enclosed.	Yes / No
10.	Whether copies of attested GST Registration certificates enclosed	Yes / No
11.	Whether copy of attested PAN card enclosed	Yes / No
12.	Whether the Minutes of Pre-Bid meeting duly signed and sealed has been enclosed along with Technical Bid Part-I	Yes/No
13.	Whether all the pages in the tender documents – Part I (Tech. Bid) and Part II (Commercial Bid) have been duly signed by authorized signatory	Yes / No
14.	Whether the Commercial bid is filled in detail in the prescribed format for break-up, equipment-wise and for abstract	Yes/No
15.	Whether these two sealed covers for Part - I “Technical Bid” and Part II – “Commercial Bid” – put in a larger cover duly superscribed, addressed and wax sealed at appropriate places.	Yes/No

Note: Please ensure that all the relevant boxes are marked YES / NO against each column.

Important Note: Bidders must ensure that all the required documents indicated in the tender document are submitted without fail. Bids received without supporting documents for the various requirements mentioned in the tender document are liable to be rejected at the initial stage itself.

SIGNATURE OF THE TENDERER WITH SEAL

2. TWO PART TENDER APPLICATION

TECHNICAL (PRE-QUALIFICATION) BID & PRICE BID APPLICATION

From

M/s.

To

The Dy. General Manager (Engg.),
TCMPF Ltd.,
Head Office, Aavin Illam, 3-A,
Pasumpon Muthuramalinganar Salai,
Nandanam, Chennai – 600 035.

Sir,

Sub: Two Part tender – [Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.](#), – Submission of Documents – Regarding.

<><><>

Having examined the two part tender documents consisting of Part I technical bid pertaining to pre-qualification and part II commercial bid with price quote, I/We hereby submit all the necessary documents and relevant information for bidding the above mentioned tender.

The application is made by me/us on behalf of in the capacity of duly authorized to submit this two part tender offer.

Necessary evidence admissible in law in respect of authority assigned to me on behalf of the bidding firm is herewith attached.

I submit the documents herewith taking into consideration of all the instructions, terms and conditions in the detailed two part tender notice.

I/We understand that The Dy. General Manager (Engg.), TCMPF Ltd., Chennai reserves the right to reject any tender offer fully or partly without assigning any reasons thereof.

I/We hereby agree to hold the tender offer valid for acceptance for a period of 120 days from the date of opening of Part – I – Technical bid.

Signature of the Applicant
Including title capacity

(NAME IN BLOCK LETTERS)

Enclosures:

1. Evidence of authority to sign
2. Latest brochures if any
3. Part I pre-qualification – Technical bid in separate sealed cover
4. Part II commercial bid with price quote in separate sealed cover.

3. INSTRUCTIONS TO THE TENDERERS

This two part tender document consists of:

Part I – Technical Bid for Pre-Qualifying

Part II – Commercial bid for price-quote schedule.

- 3.1 Read all the terms and conditions of the two part tender before to start filling up.
- 3.2 The tenderers are to submit the **original set** of the two part tender (both Part – I – Technical Bid and Part II Commercial Bid) duly filled in, attach necessary documents and are advised to retain the duplicate set of documents for records.
- 3.3 The part I – Technical Bid for Pre-qualification consisting of pages.....and the Part II – Commercial bid for price-quote schedule consisting of pages..... should be submitted in two different covers duly superscribed as “Tender for the [Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.](#),” and again put both the sealed technical bid cover and commercial bid cover in a larger wax sealed cover duly superscribed as “[Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.](#),” and addressed to “The Dy. General Manager (Engg.), TCMPF Ltd, Head Office, Aavin Illam, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035.” either in person or by post so as to reach on or before the time and date specified. Tenders received after the specified date and time shall be summarily rejected.
- 3.4 The tenderer shall submit tenders in person or by post or courier or by electronic submission through the designated website www.tntenders.gov.in as provided in the TNTT Rule 18 (1) and 18 (3).
- 3.5 a).If the envelope is not sealed and super-scribed as instructed, no responsibility will be assumed for any misplacement of tender or premature opening of the envelope or parcel.
b). Telegraphic / FAX Tenders will not be accepted.
c). E-Tendering facility is available for this tender.
- 3.6 The quantities mentioned in the tender document are approximate. The tender accepting authority shall be permitted to vary the quantities finally ordered and execute the work through the contractor to the extent of 25% (Twenty five percent) either way of the requirements.
- 3.7 **Go through the check slip given and ensure compliance of the terms and conditions.**

[I agree to abide by the above instructions](#)

SIGNATURE OF THE TENDERER

- 3.8 The tenderer is specifically informed that all the pages in both Part I – Technical Bid and part II – Commercial Bid should be signed at the bottom of each page without any omission by the authorized signatory with name and seal of the firm.
- 3.9 The signatory of the tender should indicate his/their status in which he/they have signed and submit necessary documentary proof admissible in law in respect of such authority assigned to him/them by the firm.
- 3.10 If the Qualification application is made by a FIRM in partnership, it shall be signed by all the partners of the firm with their full names and current address or by a partner authorized by the firm (either as per Articles of the Deed of Partnership / by power of attorney)- for signing in Tenders, Agreements etc. In which case, certified copy of the registered deed of Partnership along with the current address of all the partners and a certified photocopy of the Registered Power of Attorney issued in favour of the Signatory, should be produced.
- 3.11 If the Qualification Application is made by a Limited Company or a Limited Corporation, it shall be signed by a duly authorized person holding the Power of attorney for signing the application, in which case, the certified copy of the power of attorney shall accompany the qualification application. Such limited company or corporation shall also furnish satisfactory evidence of its' existence along with the Qualification schedule.
- 3.12 **The tenderer who are downloading the document from the web site are instructed to check the web site for corrigendum after the date of pre-bid meeting, for any amendments (pre-bid – minutes) (if any issued) They are instructed to down load the above amendments and enclose it along with the technical bid document duly authenticating while submitting without fail. Failure to submit the pre-bid minutes will lead to rejection of the tender offer.**
- 3.13 The tenderer shall provide Raw material test certificates, Manufacturer Test Certificates and also arrange to provide instrument for identification of material to conform as per technical specification during the inspection.
- 3.14 Detailed evaluation done on the basis of the Documents / Records / Evidences / Certificates produced by the Applicant in the Technical Bid.

I agree to abide by the above instructions

SIGNATURE OF THE TENDERER

4.0.GENERAL TERMS & CONDITIONS

- 4.1. Tender under sealed **two part tender system** (i.e.) Technical Bid (Prequalification) & Price Bid (item rate tenders) are invited for and **on behalf of General Manager, Various DCMPU Ltd.,** by The Dy. General Manager (Engg.), Head Office, TCMPF Ltd. for the **Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,**
- 4.2
- 4.2.1.The tenderer should be manufacturer / supplier of **Cloud Based Monitoring System**
- 4.2.2. The tenderer should have previous experience in having **supplied a minimum 50% of tender quantity for Cloud Based Monitoring System on rental basis,** in India either to any cooperative institution or reputed dairies / firms.
- 4.2.3. The tenderer should have **supplied a minimum 50% of tender quantity for Cloud Based Monitoring System on rental basis,** for which tender called for, and enclose copies of purchase order / supply order within a period of 5 years.
- 4.2.4.The performance certificate for **above such supply for which Purchase Order / Supply order furnished as per 4.2.5** from the reputed purchaser shall be enclosed in the technical bid part – I. The performance certificate received from purchaser / client should be of within a period of 3 years.
- 4.2.5.The Tenderer should have minimum experience of 5 Years in the manufacturing and **supplying of Cloud Based Monitoring System.** Copies of Registration of firms with list of activities/GST registration certificate etc. should be enclosed as supporting document.
- 4.2.6.If the tenderer is an authorized dealer / supplier of original equipment manufacturer (OEM), the tenderer shall furnish the authorization letter from the original equipment manufacturer (OEM) for supply of **Cloud Based Monitoring System.** The original equipment manufacturer (OEM) can authorize only one dealer / supplier
- 4.2.7.If the tenderer is an authorized dealer / supplier for **Cloud Based Monitoring System** then the experience of the manufacturer for supply of **Cloud Based Monitoring System,** their performance shall be taken for evaluation of technical bids, even if the supply has been made either by the manufacturer directly or through other agencies.

Noted and agreed to the above

SIGNATURE OF THE TENDERER

4.3.

4.3.1 PART I TECHNICAL BID, wherein the pre-qualification, based on various factors such as supply, capacity etc., suitability and eligibility of the tenderer will be evaluated, considered and decided prior to opening of commercial Bids under PART II of the tender.

4.3.2. THE PART I technical bid shall be opened on **27.04.2022 at 02.15 PM.** in the presence of the tenderers or their authorized representative who opt to be present during the opening.

4.4.

4.4.1. The PART II Commercial Bid of the tenderers who do not satisfy any/all the terms and conditions specifically so mentioned under PART I technical, shall not be considered and shall not be opened as non responsive.

4.4.2. PART II Commercial Bid, wherein the rates tendered by those who qualify for and are selected as per the terms and conditions prescribed in PART I TECHNICAL BID only will be considered and decided for the award of the contract for the [Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,](#)

4.5. The Part II commercial bids shall normally be opened within 60 days from the date of opening of the Part I pre-qualification/ technical bid in the presence of tenderers or their authorized representatives who opt to be present. The date of such opening of commercial bid will be informed separately to those who qualify in the PART I technical bid.

4.6. The tenderer is specifically informed that all the pages in both Part I – Technical Bid and Part II – Commercial Bid should be signed at the bottom of each page without any omission by the authorized signatory with name and seal of the firm.

4.7. The tender forms are not transferable or assignable.

4.8. The signatory of the tender should indicate his/their status in which he/they have signed and submit necessary documentary proof admissible in law in respect of such authority assigned to him/them by the firm. If the tender opening day is declared as a holiday, the tenders shall be received and opened immediately on the next working day at the same time and place.

[Noted and agreed to the above](#)

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4.9 E.M.D. PAYABLE:

4.9.1 Tender must be accompanied with the prescribed amount of EMD along with tender, **if e-tender, the EMD DD should be dropped in the tender box before closure time or may be paid through online in TN e-Procurement Portal and scanned copy of proof for payment of EMD (ie. e-payment receipt) has to be uploaded.**

4.9.2 EMD Payable is as detailed below:-

Sl. No.	Name of equipment	Qty.	EMD amount
1	Supply, Installation & Commissioning of Cloud Based Monitoring System on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,	50 Nos.	Rs.63,000.00

The EMD amount to be drawn by means of the **Demand Draft or it shall be submitted by means of Bank Guarantee for the period of 12 months and extendable as and when required** from any Indian Nationalised Bank or Scheduled Bank drawn in favour of the "Managing Director, TCMPF Limited," Payable at Chennai. **IT SHALL BE ENCLOSED WITH THE PART I TECHNICAL BID ONLY.** For e-Submission the EMD amount paid through online in the **TN e-Procurement Portal. No other form of remittance shall be accepted.**

4.9.3. SSI Units claiming exemption from the payment of EMD,

1. Shall enclose a copy of EM Part II as per MSMED Act 2006 for SSI Certificate obtained from the General Manager, District Industries Centre / Udyog Aadhar, in respect of items manufactured by them for which tenders have been called for alone will be granted exemption from payment of EMD.
2. In respect of SSI units located outside the state (Tamilnadu), such of these units registered with NSIC in respect of items manufactured by them for which tenders have been called for alone will be granted exemption from payment of EMD.

4.9.4. Tenders not accompanied with Demand Draft or Online Payment towards the prescribed EMD or the relevant documentary proof for the exemption thereon shall be summarily rejected.

4.9.5. The EMD remitted by the tenderer shall be forfeited in full.

- 1). If the tenderer submit fresh offer / revises offer in case of any omission subsequently after opening.

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2).If withdraws his tender or backs at before the expiry of validity period or after acceptance.

3).If revises any of the terms quoted during validity period.

4.9.6. MODIFICATION AND WITHDRAWAL OF BIDS

4.9.6.1. No Tenderer shall be allowed to withdraw the tenders after submitting the tender.

4.9.6.2 A Tenderer may submit a modified Tender before the last date for receipt of tender: Provided that where more than one Tender is submitted by the same Tenderer, the lowest eligible financial tender shall be considered for evaluation.

4.9.6.3 Each bidder's modification notice shall be prepared, sealed, marked and delivered with the outer and inner envelopes additionally marked MODIFICATION as appropriate.

4.9.6.4 No bid may be modified after the deadline for submission of Bids.

4.9.7 Bidders shall submit offers that comply with the requirements of the bidding documents, as indicated in the technical specifications.

"Alternatives will not be considered".

4.9.8 Communication to the unsuccessful Bidders will be sent after the communication sent to the successful Bidder. Within 90 (Ninety) days from the date of the receipt of refund vouchers duly stamped and signed from the unsuccessful Bidder, refund of Earnest Money Deposit will be made.

4.10.PAN/GST REGISTRATION/CLEARANCE CERTIFICATE:

4.10.1.Tenderers shall furnish attested Photostat copies of valid GST Registration Certificates along with the tender technical bid Part-I.

4.10.2.Tenderers shall furnish attested Photostat copy of PAN Registration Certificates along with the tender technical bid Part-I.

4.10.3.Tenderers have to furnish the latest valid S.T. Clearance Certificate before issuance of final orders.

4.11. ENCLOSURES: The tenderer should submit the following documents **duly attested by Notary Public** along with the Part – I technical bid.

- 1). Purchase orders as supportive documents to show the past supply having supplied to any of the reputed dairies / firm(s) /coop(s) in India.
- 2). Satisfactory performance certificate from client(s) for the above equipments tendered.

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- 3). If the tenderer is an authorized suppliers of a manufacturer, the tenderer shall furnish the authorization letter from the manufacturer for supply of [Cloud Based Monitoring System](#)
- 4). Photostat copies of valid GST Registration Certificate, PAN Certificate.
- 5). Infrastructure facilities – Capacity of Firm / Supplier:-
 - (i). Structure and Organization with details of Technical Personnel etc. – Annexure – A
 - (ii). Financial Capability Statement – Annexure – B
 - (iii). Building, Plant and Equipments
 - (iv). Details of Abandonment of work Litigation / debarring done – Annexure – C
 - (v). Affidavit – Annexure – D
 - (vi). Credit Facilities – Bank Certificate – Annexure – E

4.12. SECURITY DEPOSIT

The successful tenderers would be required to sign an agreement and furnish a Security Deposit of 5% of the order value, drawn by means of Demand Draft or it shall be submitted by means of Bank Guarantee for the period of 18 months and extendable as and when required from any Indian Nationalised Bank or Scheduled Bank drawn in favour of "Managing Director, TCMPF Ltd" payable at Chennai within 15 days of notifying them. The EMD already paid along with tender shall be adjusted against SD to be paid by the successful tenderer.

No exemption will be given from payment of Security deposit under any circumstances as per TINT Act and the same should be remitted by above means. Any other form of remittance will not be accepted.

- 4.12.1. The security deposit will be refunded only after the expiry of 6 months from the date of satisfactory completion of the contract satisfactorily complying to the specification of the equipment to take care of the workmanship of the agency.

4.13. AGREEMENT:

The successful tenderer has to execute an agreement on Rs.100/- non-judicial stamp paper incorporating the terms and conditions of the contract and the specification within 15 days from the date of intimation of the acceptance of the tender. In case of default of either of the conditions (i.e) remitting the security deposit or execution of the

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agreement within the time allowed, the EMD paid is likely to be forfeited by the Federation.

- 4.13.1. If the contractor fails to execute the contract satisfactorily at the tendered rate, the security deposit will be forfeited by the Federation.
- 4.13.2. If the Federation incurs any loss / additional expenditure due to the negligence of the contractor in connection with the work during the period of contract, the same shall be recovered together with all charges and expenses from the contractor.
- 4.13.3. The breakages or damages, if any, caused by the contractor to the property of the Federation, the cost will be recovered from the contractor.
- 4.13.4. **RATES AND PRICE:** This is a fixed price contract. Price adjustment clause (to account for raise or fall in the money value / statutory taxes during the contract period) is not operatable for this contract. However any variation in the statutory levies and Taxes by State Government / Central Government shall be effected on the end price to the benefit of either the contractor or Federation as the case it may be.
- 4.13.5. No interest shall be paid on Earnest Money Deposit/Security Deposit.
- 4.13.6. The Agreement in Rs.100/- non-judicial stamp paper shall be signed and returned within 15 days of receipt of the Design, Supply, Erection, Installation, Testing and Commissioning order along with the D.D. for Security Deposit.

4.14. DELIVERY SCHEDULE:-

- 4.14.1. Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. : 12 – 16 weeks from the date of receipt of work order

4.15. PAYMENT TERMS:

4.15.1. Supply, Installation & Commissioning:

- a). [Cloud Based Monitoring System](#) Rental cost shall be released on quarterly basis. The first quarter payment for 3 months will be released after satisfactory commissioning of the Cloud Based Monitoring System – [50 Nos.](#) at respective BMC site
- c). The first quarter 3 Months calculated from the day of the satisfactory commissioning of the Cloud Based Monitoring System – [50 Nos.](#) at respective BMC site.

N.B: NO OTHER TERMS OF PAYMENT WILL BE ENTERTAINED.

[Noted and agreed to the above](#)

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PENALTY CLAUSE:

- 4.15.2. The Cloud Based Monitoring System provided in the BMC should be completed and monitoring start as per delivery schedule. Failing which penalty will be imposed at the rate of Rs.100/- per unit per day. If it will be continued more than 30 days the contract will be Terminated and the SECURITY DEPOSIT amount will also be forfeited.
- 4.15.3. As and when informed to the contractor of any defects in the Cloud Based Monitoring System / report generated etc., the contractor shall rectify the same immediately on their own cost within 48 hours failing which liquidated damages will be levied at the rate Rs.100/- per unit per day. If it will be continued more than 5 days, the Cloud Based Monitoring System rental cost will be deducted in the monthly payment.
- 4.15.4. Time being the essence of contract no variation shall be permitted in the delivery time as prescribed in the delivery schedule. If the tenderer fails to supply and execute the work in full or part of the order as per the delivery schedule, the Federation shall reserve the right to cancel the order besides forfeiture of Security Deposit.
- 4.15.5. Notwithstanding anything contained in the tender schedule, no obligation rests on the Federation to accept the lowest tender and the Federation shall also have the right to accept or reject any or all the tenders fully or partly without assigning any reasons.
- 4.15.6. For violation of any of the terms and conditions of the contract, the Federation reserves the right to terminate the contract, with or without notice as applicable.
- 4.15.7. On termination of contract, the Security Deposit is liable to be forfeited and any of the resultant loss beyond Security Deposit will be recovered from the contractor by legal means apart from forfeiture of any amount due to the contractor.
- 4.15.8. (a). If the tenderer defaulted in any of the previous tenders to execute agreement or to pay Security Deposit or to supply ordered quantity either in part or full will not be eligible from participating in this tender.
- (b). If the successful tenderer either in federation TCMF or in the DCMPU defaulted to execute agreement or to pay Security Deposit or to supply ordered quantity either in part or full shall be debarred from participating in the subsequent tenders for a period of 3 years.

[Noted and agreed to the above](#)

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4.16. FORCE MAJEURE:

Failure or delay in the part of tenderer for supply due to force majeure causes enumerated here under shall be considered, provided the supplier produces documentary evidence.

- a. Any cause which is beyond the reasonable control of the tenderer.
- b. Natural phenomena, such as floods, drought, earthquakes and epidemics.
- c. Act of any Govt. Authority, domestic or foreign, such as wars declared or undeclared quarantines, embargoes licensing control on production or distribution restrictions.
- d. Accident and disruptions such as fire, explosion, increase in power cut with respect to date of tender opening etc.,
- e. Strikes, slow down and lockouts.

The cause of force majeure condition will be taken into consideration only if the supplier notifies within 30 days from the occurrence of such eventualities. The purchaser shall verify the facts and grant such extension as the facts justify. For extension due to force majeure conditions, the supplier shall submit his representation with documentary evidence for scrutiny by the purchaser and decision of the purchaser shall be binding on the time.

4.17. DISPUTES AND ARBITRATION:

In case of disputes arising out of this tender, an arbitrator as mutually acceptable to the tenderer and Federation will be appointed by the Managing Director, TCMPF Limited. The arbitrator's decision shall be final, conclusive and binding on both the parties.

4.18. LEGAL JURISDICTION

In case if either party to the tender is aggrieved by the award of the arbitrator so appointed as per clause 4.18 or otherwise, they can appeal to Court of Deputy Registrar (Dairying), Thiruvallur. The legal jurisdiction will be only Deputy Registrar (Dairying), Thiruvallur Court.

4.20. SERVICE CENTER:

The registered office or branch office shall be located at Chennai for easy accessibility and communication. If the tenderer does not have registered office/branch office at Chennai, the tenderer shall establish the branch office at Chennai within 30 days of the award of the contract

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4.21. GUARANTEE:

The service availability of the Cloud Based Monitoring System is taken care by the contractor. If any faulty devices or not working fault occurred, it shall be replaced or rectified within 48 hours.

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Noted and agreed to the above

SIGNATURE OF THE TENDERER

5.0. PRE QUALIFICATION CRITERIA – TECHNICAL BID (PART-I)

The pre-qualification tender/PART-I technical bid will contain the under mentioned aspects pertaining to the prospective suppliers about their suitability, capacity, financial status, antecedents, past performance etc. The conditions are:-

5.1. Tenders not accompanied with Demand Draft or Online Payment towards the prescribed EMD or the relevant documentary proof for the exemption thereon shall be summarily rejected

5.1.1. The tenderer should be manufacturer / supplier of [Cloud Based Monitoring System](#)

5.2. The tenderer should have previous experience in having [supplied a minimum 50% of tender quantity for Cloud Based Monitoring System on rental basis](#), in India either to any cooperative institution or reputed dairies / firms.

5.3. The tenderer should have [supplied a minimum 50% of tender quantity for Cloud Based Monitoring System on rental basis](#), for which tender called for, and enclose copies of purchase order / supply order within a period of 5 years.

5.4. The performance certificate for [above such supply for which Purchase Order / Supply order furnished as per 5.3](#) from the reputed purchaser shall be enclosed in the technical bid part – I. The performance certificate received from purchaser / client should be of within a period of 3 years.

5.5. The Tenderer should have minimum experience of 5 Years in the manufacturing and supplying of [Cloud Based Monitoring System](#). Copies of Registration of firms with list of activities/GST registration certificate etc. should be enclosed as supporting document

5.6. If the tenderer is an authorized dealer / supplier of original equipment manufacturer (OEM), the tenderer shall furnish the authorization letter from the original equipment manufacturer (OEM) for supply of [Cloud Based Monitoring System](#). The original equipment manufacturer (OEM) can authorize only one dealer / supplier.

5.7. If the tenderer is an authorized dealer / supplier for [Cloud Based Monitoring System](#), then the experience of the manufacturer for supply of [Cloud Based Monitoring System](#), their performance shall be taken for evaluation of technical bids, even if the supply has been made either by the manufacturer directly or through other agencies.

5.8. The tenderer who are downloading the document from the web site are instructed to check the web site for corrigendum after the date of pre-bid meeting, for any amendments (pre-bid – minutes) (if [Noted and agreed to the above](#)

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any issued) They are instructed to download the above amendments and enclose it along with the technical bid document duly authenticating while submitting without fail. Failure to submit the pre-bid minutes will lead to rejection of the tender offer.

- 5.9. **FINANCIAL:** The tenderer shall have *average annual sales turn-over for the last three financial years (2018-19, 2019-20 & 2020-21) equal to the tender estimated value and minimum annual sales turn-over in each of the last three financial years (2018-19, 2019-20 & 2020-21) shall not be less than 50% of the tender estimated value.*

5.10. VALIDITY OF PRICE TENDER:

- a). The tender offer shall be kept for acceptance for a period of 120 days from the date of opening of Part – I Technical bid. The offers with lower validity period are liable for rejection.
- b). Further the tenderer shall agree to extend the validity of the bids without altering the substance and prices of their bid for further period, if any required by Federation (i.e) The Price Bid shall be valid for a period of at least 90 days (Ninety Days) from the date, notified for opening of Price Bid.

5.11. DEVIATION:

- a). The offers of the tenderers with deviations on technical / commercial terms of the tender will be rejected.
- b). No alternate offer will be accepted.

- 5.12. Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- a). Made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- b). Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- c). Participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

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Annexure – A
STRUCTURE AND ORGANISATION

1	Name of the Applicant	:	
2	Status	:	
	Individual contractor	:	
	Sole Proprietary Firm	:	
	Firm in Partnership	:	
	Private Limited Company	:	
	Public Limited Company	:	
3	Head Office/Registered office address with phone / Telex / Fax Number	:	
4	Contact Person Name Address Mobile No Email Address	:	
5	Regional Office address with Phone / Telex / Fax Number	:	
6	Local office (if any) address with Phone / Telex / Fax Number	:	
7	Field of activity of the Applicant as per deed of Partnership / Memorandum of Association / Articles of associates (Civil) Engineering Contractor / General Engineering Contractor / Electrical Items - Engineering Contractor etc, should be specified.)	:	
8	Country and year of incorporation	:	
9	Main line of Business	:	
10	Name, position, status, capacity etc, of the Key personnel/ directors of the company (Attach organization chart showing the structure of the company / firm)	:	
11	Name, capacity and address of the signatory who has Signed the Qualification Application. Attested copy of authorization issued (either by power of attorney or as per articles of Partnership Deed / Memorandum of Association) in favour of the signatory to sign the qualification Application price Tender/ Agreement should be appended.	:	

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Annexure – B
FINANCIAL CAPABILITY
(Please Annex self attested copies)

1	Name and address of the Applicant	:			
2	Income Tax Permanent Account No. C.I. H. No.	:			
3	GST Registration No.	:			
4	Annual turn over as per audited statement of account duly certified by the Chartered Accountant during the preceding Three years (Attach attested copy of balance sheets)	:	TAX Year	Figures	Words
		:	2018-19		
		:	2019-20		
		:	2020-21		
5	Financial Position	:			
	I. Cash in hand	:			
	II. Cash in Bank	:			
	III. Current Assets	:			
	IV. Current Liabilities	:			
	V. Working Capital	:			
6	VI. Net worth	:			
	Outstanding value of works already committed and in progress and time left for completion. (Details for each work to be furnished separately)	:			
	Amount available in capital Account	:			
	I. Paid up share capital of (Partners or Share holders)	:			
	II. Called up and subscribed share capital	:			
	III. Reserves under capital account	:			
7	IV. Surplus under capital account	:			

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		:	TAX Year	Figures	Words
8	Net profit before tax during the proceeding three years	:	2018-19		
		:	2019-20		
		:	2020-21		
		:			
9	Applicant's financial arrangements.	:			
	(a) Own resources	:			
	(b) Bank credits/ Over Draft	:			
	(c) Other source (Specify the source)	:			

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Annexure – C
**INFORMATION REGARDING CURRENT LITIGATION / DEBARRING /
EXPELLING OF APPLICANT OR ABANDONMENT OF WORK BY THE
APPLICANT**

1. (a) Is the Applicant currently involved in any Arbitration /
litigation relating to any contract works Yes/No
(b) If Yes, Details thereon
2. (a) Has the Applicant or any of it's constituent partners
been Debarred/Expelled by any agency during the
last Three years Yes/No
(b) If yes, Details thereon
3. (a) Has the Applicant or any of it's constituent Partners
failed to complete, any contract work during the past
Three years. Yes/No
(b) If yes, give details thereon

Dated Signature of Applicant with seal

Note: It any information in this Annexure is found to be incorrect or concealed,
the Qualification Application will be summarily rejected & price tender will
not be opened.

**Annexure – D
AFFIDAVIT**

**(To be furnished in a Twenty Rupees Non-Judicial Stamp Paper
duly Certified by Notary Public)**

- 1). I/We the undersigned solemnly declare that all the statements made in the documents, records etc., attached with this application are true and correct to the best of my/our knowledge.
- 2). I/We the undersigned do hereby certify that neither my/our firm/company nor any of it's constituent partners have abandoned any work/works of similar nature and magnitude in India, during the Last Three years.
- 3). I/We the undersigned do hereby certify that any of the contracts awarded to me/us has not been terminated rescinded, due to breach of contract on my/our part, during the last Three Years.
- 4). I/We the undersigned authorize (s) and request any bank / person / firm / corporation / Government Departments to furnish pertinent information deemed necessary and requested by The Dy. General Manager (Engg.), TCMPF Ltd., Head Office, Aavin Illam, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035 to verify the statement made by me/us or to assess my/our competence and general reputation.
- 5). I/We the undersigned, understand(s) that further qualifying information / clarifications on the statement made by me / us may be requested by The Dy. General Manager (Engg.), TCMPF Ltd., Head Office, Aavin Illam, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035. and agree(s) to furnish such information/ clarification within SEVEN Days from the date of receipt of such request from The Dy. General Manager (Engg.), Aavin Illam, Head Office, 3-A, Pasumpon Muthuramalinganar Salai, Nandanam, Chennai – 600 035.

Dated Signature of Applicant with Seal:

To be signed by the officer authorized by the Firm/Company to sign on behalf, the Firm/Company with company's seal)

Note: In case of sole proprietary concern, affidavit should be signed only by the sole proprietor.

(Title of the Officer)

(Title of the firm/Company)

(Date)

The above named deponent has understood the contents well and solemnly and sincerely declared and affirmed by the deponent in my presence at.....and signed before me on this day of
(Seal).

(Signature of the Notary Public)

Annexure – E
SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF
CREDIT FACILITIES

BANK CERTIFICATE

This is to certify that M/s is a reputed company with a good financial standing.

If the contract for the work, namely, _____ is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs..... to meet their working capital requirements for executing the above contract.

Signature of Senior Bank Manager
Name of the senior Bank Manager
Address of the Bank

Stamp of the Bank

Note: Certificate should be on the letter head of the bank.

6.0 EVALUATION AND COMPARISON OF THE TENDER OFFERS

- 6.1. The tenders will be evaluated strictly as per the Tamilnadu Transparency in Tenders Act 1998 and the Tamilnadu Transparency in Tenders Rules 2000 and amendments made thereon in the Act & Rules by the Government.
- 6.2. The tender offers received will be examined to determine whether they are in complete shape, all required data's have been furnished, properly signed and generally in order and confirms to all the terms and conditions of the specification without any deviation.
- 6.3. For the purpose of evaluation of tender offers, the following factors will be taken into account for arriving the evaluation price.
 - a). The quoted price will be corrected to arithmetical errors.
 - b). In case of discrepancy between the price quoted in words and figures, lower of the two shall be considered.
 - c). The evaluation of offer will be computed by taking into account Design, Supply, Erection, Installation, Testing and Commissioning put together.
- 6.4. Bidders should quote their rates both in figures and in words for each item per unit and amount for each item of work for full quantity. Grand total of the whole contract should be furnished without fail in the Price Quote Schedule of Price Bid.
- 6.5. The bidder shall fill in rates and prices and line item total (both in figures and words) for all the items of the works described along with total bid price (both in figures and words). Items for which no rate or price is entered by the bidder will not be paid for by the purchaser when executed.
- 6.6. The evaluation for L1 shall be on total end price of all items.

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7.0. TECHNICAL SPECIFICATION FOR SUPPLY, INSTALLATION & COMMISSIONING OF CLOUD BASED MONITORING SYSTEM – 50 NOS. ON RENTAL BASIS FOR 3 YEARS FOR SELECTED BMC OF VARIOUS DCMPU LTD.,

1. Scope of Work

The scope of work includes design, supply, installation, commissioning, maintenance and support for the BMC Remote Monitoring System with GPRS and Cloud service on rental basis for three years

- a. Design, supply, installation of central monitoring system that can reside on a server. The server should be a Cloud Based system, with data security feature and user access.
- b. Design, supply, installation of the system that shall provide details of milk temperature, milk volume, milk lifting time, DG power source utilization, grid power availability and utilization, Agitator ON/OFF status indication, compressor ON/OFF status indication.
- c. Installation of panels, housing equipment, DC power supply.
- d. The data acquisition activities should not involve any human intervention and should be transferred to the central server.
- e. Communication system that can collect data from various systems and transfer to the remote site
- f. Maintenance and support of the system on an on-going basis.

2. Technical Specification

A. BMC Remote Monitoring System with GPRS and Cloud service

- a. Power Supply : Should use the available power supply with additional backup supply for at-least 8 hours in case of power failure.
- b. SIM Network : GSM/GPRS
- c. External Sensor: Temperature, Volume, Agitator ON/OFF, Compressor ON/OFF, DG ON/OFF, GRID ON/OFF
- d. Control Button: Admin Login Buttons
- e. Indicators : Power, Network, Diesel Generator, Compressor ON/OFF, Temperature, Volume
- f. Operating Range for the external unit : 5⁰ C to 65⁰ C
- g. Display unit: Seven Segment LED Display.
- h. Unit box should be SS 304 metal only. Dimension of box should be Square Shape. All required components should kept inside the box

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like GSM Module, Inverter, Battery, Relays, etc., and should be lock system.

B. Sensor Module

- a. Housing for temperature sensor module : SS 304
- b. Temperature sensor range and Accuracy : 0⁰ C to 100⁰ C and 0.5⁰ accuracy
- c. Housing for volume sensor module : IP 68 compliant with appropriate process Connector, Process connector should be SS to mount the pressure sensor to BMC
- d. Volume sensor range and accuracy : Up to 10000 Kg's (depending on the BMC) Accuracy should be 0.3% of total quantity
- e. Grid Sensor: Sensor should be 3 phase detection with transformer based and isolated to protect the reverse current flow.
- f. DG Sensor: Sensor should be Relay based Voltage Protection
- g. Compressor: Sensor should be Current transmitting sensors
- h. Agitator: Sensor should be Current transmitting sensors
- i. Temperature: Sensor should be stainless steel with shield coated cable
- j. Volume sensor: Sensor should be pressure based the Diaphragm and should be of SS and food grade, the protector should be SS304 housing.

3. Required Key Features

- a. Near Real Time (NRT) data logging of milk temperature and milk volume v/s time
- b. NRT data logging of power status, DG ON/OFF, GRID ON/OFF, Compressor ON/OFF or agitator ON/OFF
- c. NRTSMS and email alert system for temperature violation, DG, GRID, compressor events or agitator events
- d. Milk lifting events should be detected with temperature and volume
- e. Any time access and communication to data through web application
- f. Automation in data logging from BMC
- g. Hot water CIP detection
- h. Daily Reports for each of the BMC with ON/OFF time statistics of each of the parameters and graphs of temperature and volume

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- i. Should be able to change temperature calibration and from the system at the site from the Remote Monitoring Data Acquisition Device.
- j. User-level access control
- k. Rating system for BMC performance based on various attributes corresponding to Milk Quality, Cleaning and Hygiene, Power Management, Temperature Management etc.
- l. Trend analysis of the rating of a BMC over time
- m. Comparative analysis of BMCs rating based on
 - i. Location
 - ii. Capacity
 - iii. Vendor

4. SMS Alerts

- a. BMC Remote Monitoring System with GPRS and Cloud service shall provide all types of SMS alerts to user
 - Current milk temperature (in °C)
 - Current milk volume (in Kg's)
 - Grid ON/OFF
 - Diesel Generator ON/OFF operation
 - Compressor operation
 - Milk Lifting
 - Hot Water CIP detection
 - Over Cooling, Under Cooling
 - Chilling Operation Start/Stop

5. Hot Water CIP

- a. BMC Remote Monitoring System with GPRS and Cloud service shall be able to detect hot water system
- b. Water should be in temperature range of 60-90 degree Celsius.
- c. System should be able to detect volume of hot water
- d. CIP duration should be detected

6. Android Application for BMC data remote monitoring

- a. Users can list BMC facility in favourites field
- b. Sharing facility of BMC snapshot as a message across messaging applications.

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- c. Volume and temperature parameter across all BMCs
- d. Graphical representation of BMC states
- e. Individual Alerts across all BMCs

7. Android Application for monitoring following Parameters.

- a. Milk temperature, Milk volume (in Kg's)
- b. Milk Chilling Patterns, Over/Under Cooling
- c. Power supply status
- d. Critical Alerts
- e. Diesel Generator running hour status
- f. Milk Lifting Time
- g. Hot water CIP compliance
- h. Non-Operational BMC

8. Web Application

- a. BMC Remote Monitoring System with GPRS and Cloud service shall include free access to its web application with every purchase
- b. BMC web application enables user to continuously measure and analyse data during acquisitions
- c. Users can download reports to their own PC/Smartphone's
- d. BMC web application enables temperature and password to be calibrated for each device

9. Following Parameters shall monitor on web Application

- a. Diesel Generator running hour status
- b. Milk temperature, Milk volume (in Kg's)
- c. Milk Chilling Patterns, Over/Under Cooling
- d. Power supply status
- e. Critical Alerts
- f. Milk Lifting Time
- g. Hot Water CIP compliance
- h. Non-operational BMC

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10. Following Shall Be Provided in Daily Reports

- a. Milk temperature, Milk volume before the start of morning session and at the end of the session
- b. Milk temperature, Milk volume at milk lifting Time
- c. Actual milk lifting time
- d. CIP adherence (whether hot CIP is done) hot water
- e. Maximum and minimum temperature, variation in the volume of milk of the BMC on a given day
- f. Total compressor and DG running time
- g. Total cooling duration per session (time taken to chill the milk)
- h. Power consumption

11. Following Shall Be Provided in Weekly Reports

- a. Average and total compressor& DG run time in the given week
- b. Any major deviation from the mean value on any given day (for any of the BMC parameter)
- c. CIP Adherence (How many times Hot water CIP has been done in a week)
- d. Chronic Problem reports (Repeated critical alerts for any given BMC)
- e. Performance Report (cooling time, Insulation loss) for each of the BMC
- f. Fault reports (e.g., critical alerts per BMC)

12. Following Types of Monthly Reports should be provided

- a. Monthly reports shall have consolidated operational and performance summary for all monitored BMCs.
- b. Monthly reports shall have a comparative analysis across all of the BMCs.
- c. The monthly reports shall have a comparison between the last month and the given month for all of the monitored BMC parameters. Any deviations shall be explicitly reported.
- d. Monthly Reports Shall be provided in following formats
 - I. Location-wise report
 - II. Capacity-wise report
 - III. Vendor-wise report

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NAME OF ITEM / WORK	:	SUPPLY, INSTALLATION & COMMISSIONING OF CLOUD BASED MONITORING SYSTEM – 50 NOS. ON RENTAL BASIS FOR 3 YEARS FOR SELECTED BMC OF VARIOUS DCMPU LTD.,
TENDER NOTICE REFERENCE NO	:	3192/Proj.3/2022, Dated:04.04.2022

PART – II

COMMERCIAL BID

THE TAMILNADU COOPERATIVE
MILK PRODUCERS' FEDERATION LTD
CHENNAI 600 035

QUALIFICATION

The commercial offers of such of those tenderer who qualify themselves for being considered for **Supply, Installation & Commissioning of Cloud Based Monitoring System – 50 Nos. on Rental basis for 3 Years for Selected BMC of Various DCMPU Ltd.,** by fulfilling the entire terms and conditions as laid in Part I “Technical Bid” of this tender, will be considered for the finalization of the tender. Other commercial offers not qualifying as above will be rejected outright.

**SUPPLY, INSTALLATION & COMMISSIONING OF CLOUD BASED
MONITORING SYSTEM – 50 NOS. ON RENTAL BASIS FOR 3 YEARS FOR
SELECTED BMC OF VARIOUS DCMPU LTD., UNDER TANII SCHEME FOR
THE YEAR 2019-20**

**ABSTRACT
PRICE QUOTE SCHEDULE**

In Rupees

S.N.	DESCRIPTION	RENTAL CHARGES PER UNIT FOR PER MONTH
1	Basic Price for Providing Cloud Based Monitoring System on Rental basis	
2	GST/IGST (percentage to be indicated)	
	UNIT RATE FOR PER MONTH	
	PRICE FOR 36 MONHTS PER UNIT	
	TOTAL END PRICE FOR 50 NOS. FOR 36 MONTHS	
	TOTAL END PRICE IN WORDS	

Note:-

- 1). All the rates should be only in terms of Indian Rupees.
- 2). Phrases like `Extra`, `as applicable`, `at the prevailing rate` etc. should not be quoted to avoid ambiguity.

**Seal of the firm
tenderer**

Signature of the

Witness:

1

2

Date: