

**TAMIL NADU LIVESTOCK DEVELOPMENT AGENCY**

**Tender No. TNLDA/2022/10**

**Tender Reference No. 84/E/AIIRLIVAS/TNLDA/2022**

**TENDER DOCUMENT FOR THE ESTABLISHING AND COMMISSIONING OF  
AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT  
(AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED  
INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL  
SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT**

**PERIOD OF AVAILABILITY OF TENDER** : *10.05.2022 upto 5 pm*  
**FORMS (to be downloaded from website)**

**PRE-BID MEETING** : *18.05.2022 at 11.30 am*

**LAST DATE OF AVAILABILITY OF TENDER** : *09.06.2022 ,upto 5.00 pm*  
**FORM**

**LAST DATE FOR SUBMISSION OF TENDER** : *10.06.2022 upto 11.00 am*

**DATE AND TIME OF OPENING OF TENDER** : *10.06.2022 at 11.30 am*

**ADDRESS:** **TAMIL NADU LIVESTOCK DEVELOPMENT AGENCY,  
4<sup>TH</sup> FLOOR, INTEGRATED OFFICE COMPLEX FOR ANIMAL  
HUSBANDRY AND FISHERIES DEPARTMENT,  
571. ANNA SALAI, SAIDAPET VETERINARY POLYCLINIC  
CAMPUS, NANDANAM P.O., CHENNAI-35.**  
**Phone : 044 -24310412,044-24345362 Fax : 044 -24345361**  
**e-mail : [tnlda2016@gmail.com](mailto:tnlda2016@gmail.com),**

## CHECKLIST

### COVER – A

1	<b>Checklist</b>	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
2	Signed copy of important instructions for submission of the tender	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
3	Letter offering tender	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
4	Earnest Money Deposit	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
5	Duly attested photocopy of Registration Certificate of the company	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
6	Documentary evidence for constitution of the firm	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
7	Copy of manufacturing license of manufacturer (if manufacturer)	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
8	Duly attested photo copy of valid Import License, for the imported items quoted	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
9	Authorization like Power of Attorney, resolution of board, for the Senior Officer of the company who has signed the tender documents.	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
10	Balance Sheet & Profit and Loss Account for last three years (2018-19 to 2020-21)	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
11	Copy of tender conditions and schedules, duly signed by the Tenderer. Page No.(1to 14)	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
12	GST remittance statement for last three years from 2018-19 to 2020-21 (Annexure -I) along with copy of GST Registration Certificate	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>
13	Declaration (Annexure - II)	Page No. <input type="text"/>	Yes <input type="text"/>	No <input type="text"/>

14	Performance statement (sales/execution of projects) for last three years (2018-19 to 2020-21) (Annexure -III)	Page No.		Yes		No	
15	Annual Turnover Statement for last three years (2018-19 to 2020-21) (Annexure - IV)	Page No.		Yes		No	
16	Specification (Annexure - V)	Page No.		Yes		No	
17	Authorization letter nominating a Senior Responsible Officer of the company with authority to participate in the tender and transact business. (Annexure - VI)	Page No.		Yes		No	
18	Details of Manufacturing Unit (Annexure - VII)	Page No.		Yes		No	
19	Duly attested photocopy of valid ISO certificate	Page No.		Yes		No	
<b>COVER – B</b>							
20	ANNEXURE – VIII	Page No.		Yes		No	

**Note:** At the time of opening of tender, the authorized representatives who choose to be present should submit a copy of authorization letter to the competent authority, before entry. (Annexure VI).

## IMPORTANT INSTRUCTIONS FOR THE SUBMISSION OF TENDERS

1. The tender document is downloadable free of cost from [www.tenders.tn.gov.in](http://www.tenders.tn.gov.in)
2. The document would be downloadable upto 5.00 p.m. on **09.06.2022**
3. A Pre-bid meeting is scheduled at the office of the Chief Executive Officer, Tamil Nadu Livestock Development Agency, 4th Floor, Integrated Office Complex for Animal Husbandry and Fisheries Department, 571. Anna Salai, Saidapet Veterinary Polyclinic Campus, Nandanam P.O., Chennai-35, on **10.06.22, at 11.30 am** to clarify the doubts about the terms and conditions in the tender document.
4. Read the tender documents completely before submission of the tenders.
5. Follow the instructions given in the tender document scrupulously.
6. All the pages should be serially numbered.
7. The check list should be completely filled along with page numbers.
8. A copy of the tender conditions and the schedules should be signed by the tenderer at the right-hand bottom of each page with the office seal duly affixed and returned alongwith the tender.
9. Arrange the documents neatly and as in the order stipulated in the tender document, give continuous page numbers and secure it tightly without any loose paper.
10. Enclose only relevant and specific documents as called for in the tender document.
11. Give the Specifications of the item offered completely with trade name if any, Model No. /Name if any and the detailed specification **in a separate sheet** in addition to the attachment of catalogues, if any.
12. All the documents/copies of documents must have been attested not earlier than six months before the submission of tender.
13. All the documents/copies of documents must be neat, clear and legible without any ambiguity and labeled appropriately.
14. **A covering letter signed by the competent authority has to be enclosed with the tender document.**
15. Documents/copies of documents submitted in languages other than English or Tamil must be accompanied by an English or Tamil translation of the same duly attested.
16. Tamil Nadu Livestock Development Agency will not be responsible for any postal delay.
17. All the representatives who choose to be present at the time of opening of bids have to submit a Letter of Authorization from the competent authority in advance, before entry.
18. The tenderer shall ensure that no person acting for them or on their behalf will try to influence or engage in bribery.

***Tenders not fully complying with the instruction for submission of tenders are liable to be rejected summarily***

## Letter offering tender

*(The tenderer must prepare the Letter of on stationery with its letterhead clearly showing the tenderer's complete name and address and this should be placed as the first paper of the tender)*

Our Reference: No..... Dated.....

To:

The Chief Executive Officer,  
Tamil Nadu Livestock Development Agency.  
IV Floor. Integrated office complex of Animal Husbandry and Fisheries Department,  
571 Anna Salai, Saidapet Veterinary Polyclinic campus,  
Nandanam PO, Chennai-600035.

Sir,

Subject : Tender for the Establishing and Commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) - at The Advanced Institute For Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District. -submission of-reg.

Ref : **Tender Reference No. 84/E/AIIRLIVAS/ TNLDA/ 2022.** Tender No. TNLDA/2022/10

We, the undersigned, hereby submit our tender for the Establishing and Commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) - at The Advanced Institute For Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District .In submitting our tender, we make the following declarations:

- a. We have examined and offer to supply in conformity with the tender Document and in accordance with the Delivery Schedules specified in the tender document.
- b. We meet the eligibility requirements and have no conflict of interest, and we have not been temporarily suspended or debarred by the State Government/Central Government
- c. We have enclosed the Checklist and the tenderers profile, fully filled and signed
- d. We have enclosed a copy of the tender documents duly sealed and signed.
- e. We have enclosed the following documents/copies of the document

- 1.....
- 2.....
- 3.....
- .....
- 4.....
- 5.....
- 6.....
- 7.....
- 8.....
- 9.....
- 10.....
- 11.....
- 12.....
- 13.....
- 14.....
- 15.....

*(as per enclosure enclosed)*

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices.

Yours faithfully,

Signature of Authorized Signatory

Name & Title of Signatory \_\_\_\_\_

In the capacity of

*[insert legal capacity of person signing the Letter of Quotation]*

Name of Bidder \_\_\_\_\_

Address \_\_\_\_\_

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

Seal of the Company

## PROFILE OF THE TENDERER/COMPANY

**IMPORTANT: Please fill all the columns without any omissions**

**All the items should be filled with details and numbers and not filled as enclosed etc.**

1	Name of the company(tenderer).	:	
2	Contact details.		
	Full postal address.	:	
	Pincode.	:	
	Telephone No. with STD code	:	
	Mobile No.	:	
	Email id.	:	
	Name of the Contact person.	:	
	Designation of the contact person.	:	
3	Address of the manufacturing unit /facility	:	
4	Manufacturing license for the product for which tender is offered.	:	
5	Registration No. of the company with year of registration.	:	
6	No. of units manufactured in the past three years in case of manufacturer.		
	2020-21	:	
	2019-20	:	
	2018-19	:	
7	Annual turnover of the company during the past three years.		
	2020-21	:	
	2019-20	:	
	2018-19	:	
8	Whether the company has ISO certification, if yes valid upto.	:	
9	Does the product offered have Indian Standard (BIS) certification.		
10	GST remitted and returns filed during the past three years (Rs.)		
	2020-21	:	
	2019-20	:	

	2018-19	:	
11	Goods and services taxes (GST) registration No.	:	
12	Details of Earnest Money Deposit		
	Amount (Rs)	:	
	DD/Bank Guarantee No. and date	:	
	Issuing Bank	:	
	If exempted details	:	
13	No. of units of item offered sold during the last three years.		
	2020-21	:	
	2019-20	:	
	2018-19	:	
14	Name of the Authorized Signatory		
15	Designation of the authorized signatory.		

**CONDITIONS OF TENDER FOR THE ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT**

- 1.** Sealed Tenders under two cover system will be received till **11.00 am on 10.06.2022** by the Chief Executive Officer, **Tamil Nadu Livestock Development Agency, 4<sup>th</sup> Floor, Integrated Office Complex for Animal Husbandry and Fisheries Department, 571, Anna Salai, Saidapet Veterinary Polyclinic Campus, Nandanam P.O., Chennai-35** for Establishing and Commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at the Advanced Institute for Integrated Research on Livestock and Animal Sciences at Thalaivasal Koot Road in Salem District.
- 2.** *Manufacturers and /or service providers having valid license whose average annual turnover for 3 years i.e.2018-19 to 2020-21 is more than **Rs.1 Crore** and the annual turnover for the year 2020-2021 is also more than **Rs.1 Crore** and those who are in the market during the past 3 years in India and have supplied, installed and commissioned at **least 2 projects similar to the project in this document during the last 3 years i.e. 2018-19 to 2020-21** in India are eligible to participate in the tender.*
- 3.** The tender should consist of cover ‘A’ containing the technical bid and Cover ‘B’ the price bid both sealed separately and placed in another cover and sealed.
- 3.1** The following documents should be submitted in “Cover A”, addressed to the Chief Executive Officer, **Tamil Nadu Livestock Development Agency, 4<sup>th</sup> Floor, Integrated Office Complex for Animal Husbandry and Fisheries Department, 571, Anna Salai, Saidapet Veterinary Polyclinic Campus, Nandanam P.O., Chennai-35** and Superscribed as “COVER ‘A’ - “TENDER FOR THE ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT DUE ON 10.06.22, AT 11.00 am”

**List of documents to be enclosed in Cover ‘A’**

- a. Checklist
- b. The signed copy of important instruction to tenderers
- c. The Profile of the company.
- d. Earnest Money Deposit
- e. Duly attested photocopy of Registration Certificate of the company
- f. Documentary evidence for constitution of the firm
- g. Copy of manufacturing license.(The tendered item to be marked with the marker pen)

- h. Duly attested photo copy of valid import license, for the imported items quoted
- i. Authorization like Power of Attorney, resolution of board, for the Senior Officer of the company who has signed the tender documents.
- j. Balance Sheet & Profit and Loss Account for last three years **2018-19 to 2020-21**
- k. Copy of Tender conditions and schedules, duly signed by the Tenderer (Page No.1 to 14).
- l. GST Clearance Certificate for last three years 2018-19 to 2020-21 along with a copy of the GST Registration Certificate (Annexure - I)
- m. Declaration (Annexure - II)
- n. Sales/project implementation Performance for the last three years **2018-19 to 2020-21** (Annexure - III) with proof. (Copy of orders received and invoices raised).
- o. Annual Turnover Statement for last three years **2018-19 to 2020-21** (Annexure - IV) signed by Chartered Accountant
- p. Specification (Annexure - V)
- q. Authorization letter nominating a Senior Responsible Officer of the company with authority to participate in the tender and transact the business. (Annexure - VI)
- r. Details of Manufacturing Unit. (Annexure - VII)
- s. Duly attested photocopy of valid ISO certificate
- t. The flow diagram, the design and the pictures of machinery offered as per specifications.
- u. Photographs of previously completed projects

**3.2** The following document should be submitted in **“Cover B”**, addressed to the Chief Executive Officer, Tamil Nadu Livestock Development Agency, 4<sup>th</sup> Floor, and Integrated Office Complex for Animal Husbandry and Fisheries Department, 571. Anna Salai, Saidapet Veterinary Polyclinic Campus, Nandanam P.O., Chennai-35 and Superscribed as **“COVER ‘B’ “TENDER FOR THE ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT DUE ON 10.06.22, AT 11.00 am**

The filled in Annexure – VIII containing the rates quoted and duly signed by the tenderer should be sent in a separate sealed cover hereafter called Cover “B”.

- i. The **rate quoted per unit should be in Indian Rupees**. The rate quoted per unit landed price shall be inclusive of basic price, freight, insurance, packing, customs duty, incidental charges etc., and GST [GST to be shown separately].
- ii. The rate per unit FOR destination Total Landed Price (inclusive of GST) will be the criteria for determining the L1 rate as per Tender Transparency Act and Rules.

- iii. The rate quoted in Annexure-VIII should be for the unit and specification given. The tenderer is strictly prohibited to change or alter specification or unit size given in Annexure -VIII
  - iv. The Unit Rate quoted should not vary with the quantum of the order or the destination.
  - v. The rate offered should be valid for a period of one year from the date of opening of Price Bid.
- 3.3 The Cover “A” and Cover “B” should be separately sealed and both the sealed covers shall be kept in an outer envelope Superscribed as **“TENDER FOR THE ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT DUE ON 10.06.22, AT 11.00 am”** and this should reach the **Chief Executive Officer, Tamil Nadu Livestock Development Agency, 4<sup>th</sup> Floor, Integrated Office Complex for Animal Husbandry and Fisheries Department, 571, Anna Salai, Saidapet Veterinary Polyclinic Campus, Nandanam P.O., Chennai-35 on or before 10.06.22, 11.00 am.**
4. Tenders will be opened at the office premises of TNLDA at the above address at **11.30 am on 10.06.2022** in the presence of the tenderers/ Senior Responsible Officers of the company who choose to be present. Cover “B” of only those companies which satisfy the standard criteria laid down by the TNLDA and those found eligible on the basis of the details furnished by the tenderer in Cover “A” will be opened.

#### **EARNEST MONEY DEPOSIT**

5. Earnest Money Deposit for a sum of **Rs.3,40,000/- (Rupees three lakh and forty thousand only)** shall be remitted in the form of Demand Draft favoring Chief Executive Officer, Tamil Nadu Livestock Development Agency, payable at Chennai/Irrevocable Bank Guarantee from a Nationalised Bank / Scheduled Bank in favour of “The Chief Executive Officer, Tamil Nadu Livestock Development Agency”, payable at “Chennai”. **This should be sent with the tender in Cover-A. Earnest Money Deposit in the form of cheque / cash / postal order will not be accepted.**
6. Firms located within the State, registered with Tamil Nadu Small Industries Development Corporation or the National Small Industries Corporation or holding permanent Registration Certificate from the District Industries Centers of Directorate of Industries and Commerce will be granted exemption from payment of Earnest Money Deposit, in

respect of those **items manufactured by them** for which the Registration Certificate has been obtained and tenders called for. In respect of SSI Units located outside the State, such units registered with NSIC in respect of **items manufactured by them** for which tenders have been invited.

7. The Earnest Money Deposit shall be returned after payment of security deposit and execution of agreement by the successful tenderer.
8. In the case of successful tenderers, the Earnest Money Deposit shall be returned after payment of security deposit and execution of agreement or at the discretion of Chief Executive Officer, Tamil Nadu Livestock Development Agency, Chennai adjusted towards the Security Deposit payable by him.

#### **SECURITY DEPOSIT**

9. **The Successful tenderer shall be required to remit a security deposit @ 5% the total value of the works for which he is L1, calculated for the tender quantity. *Security Deposit = L1 Rate X Tender Quantity X 5%*. The Security Deposit should be paid in respect of each contract on or before the due date fixed, in the form of Demand Draft / Irrevocable Bank Guarantee from a Nationalised Bank / Scheduled Bank in favour of “The Chief Executive Officer, Tamil Nadu Livestock Development Agency”, payable at “Chennai”.**
10. The Security Deposit furnished by such tenderer in respect of his tender will be returned to him upon complete fulfillment of the tender period (including warranty) or the extended period, if any, to the satisfaction of the Chief Executive Officer, Tamil Nadu Livestock Development Agency.
11. The cover ‘A’ of the tenderers will be opened and the documents will be scrutinized and the Cover ‘B’ of only those tenderers who have submitted the required documents, and are found to fulfill the eligibility conditions and comply with the tender conditions will be opened.
12. Price negotiations will be held as per the Transparency in Tenders Act and rules. with the eligible tenderer who has offered the least price

#### **AGREEMENT**

13. The tenderer whose tender is accepted shall execute an agreement on a non-judicial stamp paper for a value of Rs.100/- (stamp duty to be paid by the tenderer) with the Chief Executive Officer, Tamil Nadu Livestock Development Agency, Chennai, within 10 days from the date of receipt of the intimation by him that his tender has been accepted.

## **PRICES AND OTHER CONDITIONS**

14. The details of items and works required are shown in Annexure-V.
15. A copy of the tender conditions and the Schedules should be signed by the tenderer at the bottom of each page with the office seal duly affixed and returned along with the tender. An index with page number for the certificates, Earnest Money Deposit etc. should be enclosed with the Tender Document.
16. Tenders should be typewritten and every correction in the tender should be attested with full signature by the tenderer with date before submission of the tenders to the authorities concerned, failing which the tender will be ineligible for further consideration. Corrections done with correction fluid should also be duly attested.
17. The tenderers should quote the rates in Annexure VIII for the item and works described as per the specification in Annexure V. Any omission will result in the rejection of the tender.
18. Rates quoted should be inclusive of basic price, packing forwarding, freight and insurance, import duty and GST. The GST suffered shall be shown separately.
19. Each tender must contain not only the rate but also the total value of the item quoted for supply in the respective columns. The aggregate value of the item quoted in the tender shall also be furnished [Annexure VIII].
20. The price quoted by the tenderers shall not in any case, exceed the controlled price, if any, fixed by the Central / State Government and the Maximum Retail Price (MRP). The purchaser at his discretion will in such case exercise, the right to revising the price at any stage so as to conform to the controlled price or MRP as the case may be. This discretion will be exercised without prejudice to any other action that may be taken against the tenderer.
21. The rates quoted and accepted will be binding on the tenderers for the stipulated period and on no account will any increase in the price be entertained till the completion of this tender period.

### **NOTE**

No tenderer shall be allowed at any time on any ground whatsoever to claim revision of or modification in the rates quoted by him. Clerical error, typographical error etc., committed by the tenderers in the tender forms shall not be considered after opening the tenders. Conditions such as “SUBJECT TO AVAILABILITY” “SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVED” etc., will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated as incomplete and for that reason, shall be summarily rejected.

22. If at any time during the period of contract, the price of tendered items is reduced or brought down by any law or Act of the Central or State Government or by the tenderer himself, the tenderer shall be bound to inform the Chief Executive Officer, Tamil Nadu Livestock Development Agency, Chennai immediately about such reduction in the contracted prices. The Chief Executive Officer, Tamil Nadu Livestock Development Agency, Chennai is empowered to unilaterally effect such reduction, as is necessary, in rates, in case, the tenderer fails to notify or fails to agree for such reduction of rates. Tenderers are requested to indicate the percentage of the GST to be charged for the item quoted **with proof**. In case of any enhancement in GST / reduction in GST due to Statutory Act of the Government after the date of submission of tenders and during the tender period, the clearance of additional GST so levied will be allowed to be charged extra as separate item without any change in price structure for the establishing and commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute For Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District approved under the tender. For claiming the additional cost on account of the increase in GST, the tenderer should produce a letter from the concerned authorities indicating the increase in GST for the supply made to TNLDA. Similarly, the reduction of GST to be brought to the notice of TNLDA with the letter from GST authorities.
23. The tenderer has to establish and commission of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District as specified in the tender. In case of any deviation, the tender is liable for rejection.
24. The supplies will be deemed to be completed only upon receipt of the quality certificates from the institution(s) who receives the items tendered. Supplies, which do not meet quality requirements and statutory standards, shall render the relevant items to be rejected. The tenderer shall also not be eligible to participate in TNLDA tenders for the establishing and commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District during the subsequent year.

25. The decision of the Chief Executive Officer, Tamil Nadu Livestock Development Agency, Chennai, or any Officer authorized by him as to the quality of the tendered item shall be final and binding.

#### **ACCEPTANCE OF TENDER AND SUPPLY CONDITIONS**

26. The Chief Executive Officer, Tamil Nadu Livestock Development Agency reserves to himself the right to reject the tenders or to accept the tenders for the supply of the item tendered and execution of the works as in the tender without assigning any reason.
27. The Chief Executive Officer, Tamil Nadu Livestock Development Agency will be at liberty to terminate without assigning any reasons thereof, the contract either wholly or in part, on one month notice. The tenderers will not be entitled for any compensation whatsoever in respect of such termination.
28. The acceptance of the tenders shall be communicated to the tenderers in writing.
29. The Purchase Order shall be placed by Tamil Nadu Livestock Development Agency on execution of the agreement and remittance of the security deposit.
30. The establishing and commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot Road, Salem District should be completed within **120 days** from the date of receipt of firm order. If it is not completed within **120 days** from the date of receipt of firm order, penalty shall also be levied on the tenderer as per this tender document. He shall also suffer forfeiture of Security Deposit. However, the Chief Executive Officer, TNLDA at his discretion can accept delayed supply with appropriate liquidated damages, which will be a sum equivalent to 0.5% of the delivered price of the delayed goods for each day of delay until actual delivery, upto a maximum deduction of 10% of the total contract price.
31. If the tenderer fails to execute the project within the stipulated time, TNLDA is empowered to make alternative arrangements and claim the difference in total cost from the tenderer in addition to other penal clauses.
32. The Chief Executive Officer, TNLDA or his authorized representative(s) has the right to inspect the factories of those companies who have quoted for the tender, before, accepting the rate quoted by them or before releasing any order(s) or at any point of time during the continuance of tender and has also the right to reject the tender or terminate / cancel the orders issued or not to re-order based on facts brought out during such inspections.

## **PAYMENT PROVISIONS**

33. No advance payments towards the cost of the establishing and commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot Road, Salem District will be made to the tenderer.
34. Payments for the establishing and commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute For Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District will be considered only on the basis of reports (Certified Stock Entry Invoice) received from the Consignee Officer's of the Department of Animal Husbandry / to whom the consignment is addressed, regarding the quantity received and quality of the received goods and works executed against the purchase orders.
35. If the successful tenderer fails to execute the agreement and or deposit the required security within the time specified or withdraw his tender after the intimation of the acceptance of his tender has been sent to him owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money deposited by him along with the tender will be forfeited. He will also be liable for all damages sustained by the TNLDA or its participating agencies due to his failure; including the liability to pay any difference between the prices accepted by him and those ultimately paid by the indenting authority for the procurement of the articles concerned. Such damages shall be assessed by the Chief Executive Officer of Tamil Nadu Livestock Development Agency whose decision will be final and the amount so assessed will be recoverable by proceeding under the Tamil Nadu Revenue Recovery Act 1864 (Madras Act. II of 1864 as an arrear of Land Revenue).
36. If any of the articles which the tenderer has failed to supply is not available in the local market or if it is not possible for the Chief Executive Officer, Tamil Nadu Livestock Development Agency to purchase it in time, for the requirements of the institution, it will be open to the CEO, or to any persons authorized by him on his behalf to purchase a substitute for the said article/item and to recover the difference in cost from the tenderer, if any, between the price or prices of the substituted articles which may be purchased or the money which may have been paid for the same.
37. The opinion of the Chief Executive Officer, Tamil Nadu Livestock Development Agency as to the availability of the articles in the local market and as to whether it is not possible

to purchase it in time for institution requirement and as to the nature and quality of the substitute to be purchased is final and binding on the tenderer.

38. No claims shall lie against the Tamil Nadu Livestock Development Agency, Chennai in respect of interest on Earnest Money Deposit or on Security Deposit.

#### **PENALTIES**

39. If any of the items supplied by the tenderer which have been put to use are subsequently found to be defective, unsound, and inferior in quality or description or are otherwise faulty or unfit for use, then the contract price or prices of such articles/items or things will be recovered from the tenderer. The tenderer will not be entitled to any payment whatsoever for such article/item.
40. For infringement of the stipulations of the contract or for other justifiable reasons, the contract may be terminated by the Chief Executive Officer, Tamil Nadu Livestock Development Agency and the tenderer shall be liable for all losses sustained by the Tamil Nadu Livestock Development Agency, in consequence to the termination which shall be recovered from the tenderer by way of adjusting the amount from the bills payable to him. In the event of such amounts being insufficient the balance shall be recovered personally from the tenderer as per law.
41. Non-performance of contract provisions such as delayed supplying, non-supplying, supply of substandard goods etc., will result in cancellation of the tender and will lead to disqualification of the firm from participating in the tender during the subsequent year.
42. The decision of the Chief Executive Officer, Tamil Nadu Livestock Development Agency, shall be final and binding.
43. In the event of any dispute arising out of the tender such dispute would be subject to the jurisdiction of the Civil Court within the city of Chennai.

#### **WARRANTY**

44. The supplier warrants that the Goods supplied under this contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The supplier, further warrants that the Goods supplied under this contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in conditions prevailing at final destination.
45. **Warranty shall be as stated in the Annexure V from the date of commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native**

Chicken Breeder Farm) and **on acceptance by the concerned officers at the final destination indicated in the contract.**

46. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
47. Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the Purchaser.
48. If the supplier, having been notified, fails to remedy the defect(s) within the period specified /within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

#### **SPECIAL CONTRACT CONDITIONS**

##### **49. Validity of Tender**

This rate offered shall be valid for a period of **one year** from the date of opening of price bid.

##### **50. Period**

The establishment and commissioning of the Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) **should be completed in 120 days and** will be deemed to be completed only on receipt and acceptance by the concerned officers at the final destination indicated in the contract.

##### **51. Warranty**

Warranty shall be as specified in the specification from the date of commissioning of the Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) and acceptance by the concerned officers at the final destination indicated in the Contract.

##### **52. Terms of payments**

Payment shall be made only after the completion of the establishment and commissioning of the of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) and on receipt of such satisfactory reports and certified invoices from the officer in-charge of the institution to which the supply has been made.

##### **53. Security Deposit**

The Security Deposit will be returned to the successful tenderer after the completion of warranty period.

##### **54. GST**

Tenderers are requested to quote and indicate taxes (GST) suffered.

**55. Language of the Tender**

The tender and all correspondences and documents related to the tender exchanged by the tenderer and the purchaser shall be written either in English or in Tamil language. Supporting documents and printed literature furnished by the tenderer may be in other language provided they are accompanied by an accurate translation of the relevant passages in either English or Tamil language, in which case, for purpose of interpretation of the tender, the translation shall prevail.

**56. General**

**The tenderer shall meet and would be bound by all the statutory requirements, acts ,rules, regulation and procedures (e.g. the labour welfare, and the safety requirements etc.,) for the execution of the works stated as well as not stated in this document , and would be fully responsible for ensuring the adherence and the consequences of any deficiencies.**

**GST REMITTANCE STATEMENT**

(To be filled up by the tenderer)

01. Name or style in which the applicant is assessed or assessable to GST.
02. a. Name and address of all companies, firms or associations or persons in which the applicant is interested in his individual or fiduciary capacity.  
b. All Centres of business of the applicant (All Centres of business should be mentioned).
03. The districts, taluks and divisions in which the applicant is assessed to GST (All the Centres of business should be furnished).
04. Total contract amount or value of patronage received in the preceding three years.  
2018 - 2019  
2019 - 2020  
2020 - 2021

05. Particulars of GST for the following three years.

Year	Total Turn Over assessed Rs.	Total Tax assessed Rs.	Total Tax paid Rs.	Balance due Rs.	Reasons for balance
2018 - 2019					
2019 - 2020					
2020 - 2021					

06. If there has been no assessment in any year, whether returns were submitted any,  
if there were, the division in which the returns were sent.

07. Whether any penal action or proceeding for the recovery of GST is pending.

08. The name and address of Branches if any:

I have enclosed the copies of the GST returns filed for the above period and I declare that the above information is correct and complete to the best of my knowledge and belief.

Signature of Tenderer:

Address:

Date:

**DECLARATION FORM**

I / We\_\_\_\_\_ have our \_\_\_\_\_  
\_\_\_\_\_ Office at \_\_\_\_\_ do declare that I / We  
have carefully read all the conditions laid down in the tender document (including Annexure, corrigenda, errata) issued by the Chief Executive Officer, Tamil Nadu Livestock Development Agency Chennai, for the tender floated by him for the establishment and commissioning of the of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) and abide by all conditions set forth therein.

I / We also declare that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices.

Signature:

Date:

Name of the firm:

Address:

**ATTESTED BY NOTARY PUBLIC**

**SALES/PROJECTS EXECUTED -PERFORMANCE STATEMENT****(DURING THE LAST THREE YEARS)**

Name of firm:

<b>Name of the product</b>	<b>Year</b>	<b>Quantity Produced (in nos.)</b>	<b>Quantity Supplied (in nos.)</b>	<b>Name and full address of the purchaser (Proof to be enclosed)*</b>
	2018 – 2019			
	2019 – 2020			
	2020 - 2021			

**Projects Executed**

<b>Year</b>	<b>Name of the project</b>	<b>No. of projects</b>	<b>Value in Rs.</b>	<b>Name and full address of the purchaser (Proof to be enclosed)*</b>
2018 – 2019				
2019 – 2020				
2020 - 2021				

**\* Proof:**

1. Copies of Purchase Orders/work orders issued to the tenderer
2. Copies of invoices raised by the tenderer

**ANNUAL TURN OVER STATEMENT**

The Annual Turnover of M/s\_\_\_\_\_ for the past three years are given below and certified that the statement is true and correct.

S.No	Year	Turnover in lakh (Rs)
1	2018 – 2019	
2	2019 – 2020	
3	2020 - 2021	
	Total -	Rs. _____ lakh

Average turnover per annum - Rs. \_\_\_\_\_ lakh.

Signature of Auditor/  
Chartered Accountant

**Date:**

**(Name in capital)**

**Seal.**

**SPECIFICATION****ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM)****TECHNICAL SPECIFICATIONS FOR AUTOMATION IN NATIVE CHICKEN BREEDER FARM - AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT****Site**

**The Advanced Institute for Integrated Research on Livestock and Animal Sciences,  
Thalaivasal Koot road, Salem District**

**PLAN**

S.No.	Category of birds	No. of sheds	Dimension of shed	Capacity of each shed (Approximate no. of birds)
A.	Brooder / chick shed	2	250 x 25 feet	7000 chicks
B.	Grower shed	4	250 x 25 feet	3500 birds
C.	Breeder / Layer shed	6	350 x 25 feet	3000 Female + 400 Male birds

**Scope**

- Supply, delivery, and installation of the items required and commissioning of the Automatic feeding unit for each shed separately
- Supply, delivery, and installation of the items required and commissioning of the Automatic nipple with cup watering system for each shed separately

**A. BROODER SHED****TECHNICAL STANDARDS / SPECIFICATIONS FOR BROODER SHED**

No. of birds	:	<b>7000 / shed</b>
Feeding		
Maximum feed consumption per bird	:	<b>55-60 g / day/ bird</b>
Maximum total feed consumption by 7000 birds	:	<b>420 kg / day/ brooder shed</b>
No. of feeder line in brooder house	:	<b>1 Circuit (2 lines) CIRCULAR FEEDER LINE</b>
No. of pans per feeder line	:	<b>96 pans</b>
Total No. of pans in brooder house	:	<b>192 pans</b>
Watering		
Maximum water consumption per bird	:	<b>250 ml / day</b>
Maximum total water consumption by 7000 birds	:	<b>1750 liters / day</b>

No. of water lines in brooder house	:	<b>2</b>
Total No. of nipples in brooder house	:	<b>720 nipples in 2 lines</b>

### **AUTOMATIC FEEDING UNIT FOR BROODER / CHICK SHED**

<b>Item</b>	<b>Specification</b>
Pan type	Oval
Shed Size	250 x 25 feet - (including space for storage area)
No. of birds	7000
<b>FEED SILO</b>	
Capacity	1.6 MT
Dimension of silo	1.8 mt. dia (6'); Filling height -3.13 mt.
Material used	G. I.
Filling mechanism	90 mm Silo filling auger
Mechanism of transport of feed from silo to feeder circuit	90 mm flex auger
Feed transport capacity	3100 Kg / Hour
Control mechanism of feed transport	Feed sensor in drop tube
Silo location	To be mentioned
Filling arrangements for silo	Bin Filling System (Auger)
<b>AUGER LINE FROM SILO TO CIRCUIT</b>	
Day Bin	1.6 MT
Capacity of the Motor	1.1kW, 3-Phase; 50Hz; 450 RPM with gear system (1.5 HP)
Feed Transport Capacity	3100 kg/hour
Feed Amount / Meter tube	2.5 kg
Maximum length of the tube	42 mt. (Silo to circuit)
Outside diameter of the tube	89 mm
Wall thickness of the tube	3 mm
Material used for the tube	High quality PVC tube- (POM-Polyoxymethylene, PVC) Thickness : 3.4 mm Outside diameter: 89 mm
Elbow material	High quality PVC tube Thickness: 3.4 mm Angle : 75 degree
Suspension points	Every 3 mt.
<b>CIRCUIT GROUP</b>	
Circuit	1
No. of rows (Longitudinal) in each circuit	2

Circuit tube specification	
Material	G. I.
Outside diameter of GI tube	44 mm
Wall thickness of GI tube	1.2 mm
Tube length	3.05 mt.
Pans per tube	4
Cross tubes per circuit	2 (Without pans)
Number of fill points	2 (Central)
Type of winch	Manual
Specification of winch (material used, thickness, threshold etc.)	G.I; Min. 6 mm thickness; 2.5 -3-ton capacity
Provision for anti-perch cable	Should be provided

#### **PAN SPECIFICATIONS**

Total No. of pans in brooder shed	192
Shape	Oval
Size (dimension) of each pan	440 x 290 mm
Material used	Polypropylene (nylon top support)
Average pan Contents	300 gm
Grill spacing height	50 mm
Grill space (Gap)	1”
Hanging height of pan from ground level	Adjustable with regard to bird height
Height adjustment (Level)	Should be provided
System of feed distribution to the pan	Auger

#### **TRANSPORT**

Material of the tubes	Galvanized steel
Outside diameter of the tube	44.5 mm (1.75 inch)
Feed Quantity	600 gm / meter tube
Type of fill system	Auger
Type of minimum detection	Sensor should be provided

#### **Other specifications for automatic feeding unit**

- ❖ The pans should be made up of polypropylene and galvanized tubes (3.05 mt) with clamps and auger having sensor and anti-perch cable (non-serrated).
- ❖ It should include classic standard pans, appropriate strut grills, support cones, top supports, short adjustor rings, steel cable suspension etc.,
- ❖ System should be capable of proving restricted feeding with equal quantity simultaneously all over the house.
- ❖ Provision should be made available for automatic and manual operation including feed registration and present quantity of feed.
- ❖ The feeders should have auto-controlled on / off system

<b>AUTOMATIC WATERING SYSTEM / NIPPLE DRINKING SYSTEM</b>	
Type of Nipples	Plastics
Specification for nipples with cup	Nipples with small drip cup
No. of rows of nipple system in the shed	2 lines
Total No. of nipples in the shed	720 nipples
Head tank for each Shed	1
Capacity of head tank	1000 Liters
Any provision of separate medicine tank	Non-Electric Dosing system should be provided Flow rate: 10 L / h - 2.5 m <sup>3</sup> /h Working pressure: 0.3bar – 6 bar Dosing rate: 0.02 L / h - 50 L/ h
Type of Pipes	22 x 22 mm Square PVC Pipe
Type of Support	GI Support pipe
Provision for anti-perch cable	Must be provided
No of Pressure Regulators	2 Way regulator- 1 Nos / Line Pressure: 3 bar
Height adjustment facility	Should be made available
Provision for excess no. of nipples	Must be provided
No. of nipples supplied extra	50 Nos to be handed over

#### **Other specifications for automatic watering system / Nipple drinking system**

- ❖ Nipple Drinking System consists of nipples made up of high-quality plastic material reinforced with stainless steel sleeves which are placed at a drip cup of the same material (plastic).
- ❖ The system should consist of opaque square pipe with 22 mm x 22 mm dimensions and support pipe made up of galvanized steel.
- ❖ The system should have a support galvanized and steel wire suspension material, hand winches and anti-perching cable (non-serrated).
- ❖ There should be provision for water with pressure regulator
- ❖ One medicater per shed has to be installed

## B. GROWER SHED

### TECHNICAL STANDARDS / SPECIFICATIONS FOR GROWER SHED

No. of birds	:	<b>3500 / shed</b>
<b>Feeding</b>		
Maximum feed consumption per bird	:	<b>120 g / day/ bird</b>
Maximum total feed consumption by 3500 birds	:	<b>420 kg / day/ grower shed</b>
No. of feeder line in grower house	:	<b>1 Circuit (2 lines)-Circular Feeder Line</b>
No. of pan per feeder line	:	<b>96</b>
Total No. of pan in grower house	:	<b>192</b>
<b>Watering</b>		
Maximum water consumption per bird	:	<b>400 ml</b>
Maximum total water consumption by 3500 birds	:	<b>1400 lits / day</b>
No. of water lines in grower house	:	<b>2</b>
Total No. of nipples in grower house	:	<b>680 nipples in 2 lines</b>

<b>AUTOMATIC FEEDING UNIT FOR GROWER SHED</b>	
<b>Item</b>	<b>Specification</b>
Pan type	Oval
Shed Size	250 x 25 feet (including space for storage area)
No. of birds	3500
<b>FEED SILO</b>	
Capacity	1.6 MT
Dimension of silo	1.8 mt. dia (6'); Filling height -3.13 mt.
Material used	G. I.
Filling mechanism	90 mm Silo filling auger
Mechanism of transport of feed from silo to feeder circuit	90 mm flex auger
Feed transport capacity	3100 Kg / Hour
Control mechanism of feed transport	Feed sensor in drop tube
Silo location	To be mentioned
Filling arrangements for silo	Bin Filling System ( Auger)
<b>AUGER LINE FROM SILO TO CIRCUIT</b>	
Day Bin	1.6 MT
Capacity of the Motor	1.1 kW, 3-Phase; 50Hz 450 RPM with gear system (1.5 HP)
Feed Transport Capacity	3100 Kg / Hour
Feed Amount / Meter tube	2.5 Kg
Maximum length of the tube	42 mt. (Silo to circuit)
Outside diameter of the tube	89 mm

Wall thickness of the tube	3 mm
Material used for the tube	High quality PVC tube (POM-Polyoxymethylene, PVC) Thickness : 3.4 mm Outside diameter: 89 mm
Elbow material	High quality PVC tube Thickness : 3.4 mm Angle : 75 degree
Suspension points	Every 3 mt.
<b>CIRCUIT GROUP</b>	
Circuits	1
No. of rows (Longitudinal) in each circuit	2
Circuit tube specification	
Material	G. I.
Outside diameter of GI tube	44 mm
Wall thickness of GI tube	1.2 mm
Tube length	3.05 mt.
Pans per tube	4
Cross tubes per circuit	2 ( Without pans )
Number of fill points	2 ( Central )
Type of winch	Manual
Specification of winch (Hanging height, thickness, material used, threshold etc)	G.I; Min. 6 mm thickness 2.5 – 3 ton capacity
Provision for anti-perch cable	Should be provided
<b>PAN SPECIFICATIONS</b>	
Total no. of pans in grower shed	192
Shape	Oval
Diameter	440 x 290 mm
Material used	Polypropylene (nylon top support)
Average Pan Contents	300 gm
Grill spacing height	2"
Grill spacing (Gap) size	1"
Hanging height of pan from ground level	Adjustable with regard to bird height
Height adjustment (Level)	Should be provided
System of feed distribution to the pan	Auger
<b>TRANSPORT</b>	
Material of the tubes	Galvanized steel
Outside diameter of the tube	44.5 mm
Type of fill system	Auger
Type of minimum detection	Sensor should be provided

### Other specifications for automatic feeding unit

- ❖ The pans should be made up of polypropylene and galvanized tubes (3.05 mt) with clamps and auger having sensor and anti-perch cable (non-serrated).
- ❖ It should include classic standard pans, appropriate strut grills, support cones, top supports, short adjustor rings, steel cable suspension etc.,
- ❖ System should be capable of proving restricted feeding with equal quantity simultaneously all over the house.
- ❖ Provision of control panel for automatic and manual operation including feed registration and present quantity of feed facilities.
- ❖ The feeders should have auto-controlled on / off system

<b>AUTOMATIC WATERING SYSTEM / NIPPLE DRINKING SYSTEM</b>	
Type of Nipples	Plastic
Specification for nipples with cup	Nipples with small drip cup
No. of rows of nipple system in the shed	2 lines
Total No. of nipples in the shed	680 nipples
Head tank for each Shed	1
Capacity of head tank	1000 Liters
Any provision of separate medicine tank	Non Electric Dosing system should be provided Flow rate: 10 L / h - 2.5 m3/h Working pressure: 0.3 bar- 6 bar Dosing rate: 0.02 L / h - 50 L/ h
Type of Pipes	22 x 22 mm Square PVC Pipe
Type of Support	GI Support pipe
Provision for anti-perch cable	Must be provided
No. of Pressure Regulators	2 Way regulator- 1 Nos / Line Pressure: 3 bar
Height adjustment facility	Should be made available
Provision for excess No. of nipples	Must be provided
No. of nipples to be supplied extra	50 Nos to be handed over

### Other specifications for automatic watering system / Nipple drinking system

- ❖ Nipple Drinking System consists of nipples made up of high-quality plastic material reinforced with stainless steel sleeves having a drip cup of the same material (plastic).
- ❖ The system should consist of opaque square pipe with 22 mm x 22 mm dimensions and support pipe made up of galvanized steel.
- ❖ The system should have a support galvanized and steel wire suspension material, hand winches and anti-perching cable (non-serrated).
- ❖ There should be provision for water with pressure regulator or constant head tank.
- ❖ One medicater per shed has to be installed

## C. BREEDER / LAYER SHED

### TECHNICAL STANDARDS / SPECIFICATIONS FOR BREEDER SHED

No. of birds	:	<b>3400 / shed</b>
<b>Feeding</b>		
Maximum feed consumption per bird	:	<b>135-150 g / day/ bird</b>
Maximum total feed consumption by 3400 birds	:	<b>510 kg / day/ breeder shed</b>
No. of female feeder circuit	:	<b>1 Circuit</b>
No. of female pans / Circuit	:	<b>272 pans</b>
No. of Male feeder line in breeder house	:	<b>1 Line</b>
No. of pans per feeder line (Male)	:	<b>51 (Alternate 1 &amp; 2 pans tube)</b>
<b>Watering</b>		
Maximum water consumption per bird	:	<b>500 ml /day</b>
Maximum total water consumption by 3500 birds	:	<b>1700 liters / day</b>
No. of water lines in breeder house	:	<b>2 lines</b>
Total No. of nipples in in breeder house	:	<b>680 nipples in 2 lines</b>

<b>AUTOMATIC FEEDING UNIT FOR BREEDER / LAYER SHED</b>	
<b>Item</b>	<b>Specification</b>
Pan type	Oval
Shed Size	350 x 25 feet (Including space for storage)
No. of birds	3000 females + 400 males
<b>FEED SILO</b>	
Capacity	1.6 MT
Dimension of silo	1.8 mt. dia (6'); Filling height -3.13 mt.
Material used	G. I.
Filling mechanism	90 mm Silo filling auger
Mechanism of transport of feed from silo to feeder circuit	90 mm flex auger
Feed transport capacity	3100 Kg / Hour
Control mechanism of feed transport	Feed sensor in drop tube
Silo location	To be mentioned
Filling arrangements for silo	Bin Filling System ( Auger)
<b>AUGER LINE FROM SILO TO CIRCUIT</b>	
Day Bin	1.6 MT
Capacity of the Motor	1.1 kW, 3-Phase; 50Hz 450 RPM with gear system (1.5 HP)
Feed Transport Capacity	3100 Kg / Hour
Feed Amount / Meter tube	2.5 Kg / Meter tube
Maximum length of the tube	42 mt.
Outside diameter of the tube	89 mm

Wall thickness of the tube	3 mm
Material used for the tube	High quality PVC tube (POM-Polyoxymethylene, PVC) Thickness : 3.4 mm Outside diameter: 89 mm
Elbow material	High quality PVC tube Thickness: 3.4 mm Angle : 75 degree
Suspension points	Every 3 mt.
<b>CIRCUIT GROUP</b>	
Circuits	1
No. of rows (Longitudinal) in each circuit	2
Circuit tube specification	
Material	G. I.
Outside diameter of GI tube	44 mm
Wall thickness of GI tube	1.2 mm
Tube length	3.05 mt.
Pans per tube	4
Cross tubes per circuit	2 (Without pans)
Number of fill points	2 (Central )
Type of winch	Manual
Specification of winch (Hanging height, thickness, material used, threshold etc)	G.I.; Min. 6 mm thickness 2.5 – 3 ton capacity
Provision for anti-perch cable	Should be provided
<b>PAN SPECIFICATIONS</b>	
Total No. of pans in breeder shed	272 female pans + 51 male pans
Shape	Oval
Diameter	Male : 488 x 325 mm Female : 440 x 290 mm
Material used	Polypropylene (nylon top support)
Average Pan Contents	Male : 350 gm ; Female : 300 gm
Grill spacing height	Male : 149 mm Female : 60 – 70 – 80 mm
Grill spacing gap for feeding of birds	Male : 104 mm Female : 40 – 50 mm
Hanging height of pan from ground level	Adjustable with regard to bird height
Height adjustment (Level)	Should be provided
System of feed distribution to the pan	Auger
<b>TRANSPORT</b>	
Material of the tubes	Galvanized steel
Outside diameter of the tube	44.5 mm
Feed Quantity	600 gm / meter tube
Type of fill system	Auger
Type of minimum detection	Sensor should be provided

**Other specifications for automatic feeding unit**

- ❖ The pans should be made up of polypropylene and galvanized tubes (3.05 mt) with clamps and auger having sensor and anti-perch cable (non-serrated).
- ❖ It should include classic standard pans, appropriate strut grills, support cones, top supports, short adjustor rings, steel cable suspension etc.,
- ❖ System should be capable of proving restricted feeding with equal quantity simultaneously all over the house.
- ❖ Provision of control panel for automatic and manual operation including feed registration and present quantity of feed facilities.
- ❖ The feeders should have auto-controlled on / off system

<b>AUTOMATIC WATERING SYSTEM / NIPPLE DRINKING SYSTEM</b>	
Type of Nipples	Plastics
Specification for nipples with cup	Nipple with big drip cup
No. of rows of nipple system in the shed	2 Nos.
Total No. of nipples in the shed	680 nipples
Head tank for each shed	1
Capacity of head tank	1000 Liters
Any provision of separate medicine tank	Non Electric Dosing system should be provided Flow rate: 10 L / h - 2.5 m <sup>3</sup> /h Working pressure : 0.3 bar- 6 bar Dosing rate: 0.02 L / h - 50 L/ h
Type of Pipes	22 x 22 mm Square PVC Pipe
Type of Support	GI Support pipe
Provision for anti-perch cable	Must be provided
No of Pressure Regulators	2 Way regulator- 1 Nos / Line Pressure: 3 bar
Height adjustment facility	Should be made available
Provision for excess No. of nipples	Must be provided
No. of nipples supplied extra	50 Nos to be handed over

**Other specifications for automatic watering system / Nipple drinking system**

- ❖ Nipple Drinking System consists of nipples made up of high-quality plastic material reinforced with stainless steel sleeves a drip cup of the same material (plastic).
- ❖ The system should consist of opaque square pipe with 22 mm x 22 mm dimensions and support pipe made up of galvanized steel.
- ❖ The system should have a support galvanized and steel wire suspension material, hand winches and anti-perching cable (non-serrated).
- ❖ There should be provision for water with pressure regulator.
- ❖ One medicater per shed has to be installed

## COMMON REQUIREMENT FOR ALL THE SHEDS

### PROVISION FOR GENERATOR / GENSET

No. of Generator required	2
Capacity	82.5 KVA and 125 KVA
Cable length for all sheds in two locations	250 mt. of 70 sq. mm 300 mt. of 120 sq. mm
System of operation	Automatic on and off

### Other requirements to be made in each shed.

- Provision of welding hooks for suspension of feeders and waters.
- Electrical cables inside the shed.
- Water connection to the drinking system.
- The required accessories, fabrication work, cutting of nets in equal portion for insertion of 5 rows of winching system, labour charges, plumbing, etc., must be included.
- **Comprehensive warranty for a minimum period of two years**

Manufacturer's Authorization letter for attending the tender and etc.

No. \_\_\_\_\_ Dated. \_\_\_\_\_

To

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

**Tender Ref. No. 84/E/AIIRLIVAS/TNLDA/2022**

We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ having factories at \_\_\_\_\_/providing.....services with Registered office at \_\_\_\_\_ possessing License No. \_\_\_\_\_, dated \_\_\_\_\_, Valid Upto \_\_\_\_\_ (Copy enclosed) do hereby authorize M/s. \_\_\_\_\_ (Name and Address of Representative) to submit a tender, and subsequently negotiate and sign the contract with you against the above mentioned tender.

No company or Firm or individual other than M/s. \_\_\_\_\_ are authorized to tender, negotiate and conclude the contract in regard to this business against this specific tender.

We hereby extend our full warranty for a period of two years from the date of supply delivery, installation and commissioning of the Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences, Thalaivasal Koot road, Salem District and on acceptance by the concerned officers at the final destination indicated in the Contract as per the tender conditions for the goods and services offered against this invitation for tender by the above Firm

Yours faithfully,  
(Name)  
for and on behalf of  
M/s. \_\_\_\_\_  
(Name of Manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturing concern and should be signed by a person competent and having the power of attorney to bind the manufacturer.

**DETAILS OF MANUFACTURING UNIT OF MANUFACTURER**

1. Name of the Manufacturer & Full Address of the manufacturing unit :

2. Phone Nos. :

3. Fax :

4. E-mail :

5. Date of Inception :

6. License No. & Date :

7. Issued by :

8. Valid up to :

9. Details of manufacturing activity:

10. Annual manufacturing capacity:

11. Name of the authorised signatory:

12. Specimen signature of the authorised Signatory:

\* The details of manufacturing unit shall be for the premises where items quoted are actually manufactured.

**ANNEXURE VIII****TAMIL NADU LIVESTOCK DEVELOPMENT AGENCY, CHENNAI-35**

**TENDER No. TNLDA/2022/10 TENDER FOR THE OF ESTABLISHING AND COMMISSIONING OF AUTOMATIC FEEDING AND WATERING SYSTEM FOR NATIVE CHICKEN UNIT (AUTOMATION IN NATIVE CHICKEN BREEDER FARM) AT THE ADVANCED INSTITUTE FOR INTEGRATED RESEARCH ON LIVESTOCK AND ANIMAL SCIENCES AT THALAIVASAL KOOT ROAD IN SALEM DISTRICT, TAMIL NADU**

<b>S. No</b>	<b>Name of the item &amp; specification tendered</b>	<b>Basic price (Rs.)</b>	<b>Packing and forwarding charges (Rs.)</b>	<b>Freight &amp; Insurance charges (Rs.)</b>	<b>Others (if any) (Rs.)</b>	<b>Total (Rs.)</b>	<b>GST (Rs.)</b>	<b>Total landed price (Inclusive of all tax) (Rs.)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>
	Establishing and Commissioning of Automatic Feeding and Watering System for Native Chicken Unit (Automation in Native Chicken Breeder Farm) at The Advanced Institute for Integrated Research on Livestock and Animal Sciences at Thalaivasal Koot Road in Salem District, Tamil Nadu consisting of automatic feeding and Automatic Watering System / Nipple Drinking System for brooder houses, for grower houses and breeder houses, including supply, delivery of the items as per specification, installation and commissioning as per specification (Specification as per Annexure V)							

**Total landed price (inclusive of all taxes) (Rs.) (in words): Rupees .....**

**Place:**

**Signature**

**Name of the authorised signatory**

**Date:**

**Designation**

**Seal**