



**TAMIL NADU DR.J.JAYALALITHAA
FISHERIES UNIVERSITY**
**Directorate of Aquaculture Technology, Training
and Incubation (DATTI),**
ECR – Muttukadu, Chennai – 603 112, Tamil Nadu

TENDER NOTICE

Tenders are invited for the **Supply, Installation and Commissioning of Feed Pelletiser, Crumbler, Post conditioner with dryer, Cooler and associated equipments and accessories** in sealed tender (two cover system) from the reputed firms of standing who are actual manufactures/authorized distributors of such manufactures. Tender schedule containing detailed specifications of the equipments can be obtained from the above address in person or by post on payment of Rs.100/- (Rupees one hundred only) by Demand Draft drawn in favour of **Directorate of Aquaculture Technology, Training and Incubation** payable at Chennai on or before 19.03.2018 upto 5.00 PM.

Additional particulars if any required can be had during the office hours.

Last date of submission of tender is : 20.03.2018 at 4.00 PM

Last date for opening of tender

Technical bid cover : 21.03.2018 at 11.00 AM

Commercial bid cover : 21.03.2018 at 4.00 PM

If the tender opening date is declared as a Holiday by the Government, then the next working day will be the day for opening of tender.

For more details please visit
www.tnfu.ac.in/pages/view/tenders

**Director i/c,
DATTI**

TAMIL NADU DR.J.JAYALALITHAA FISHERIES UNIVERSITY

Lr.No.0109/DATTI/ Supply, installation and commissioning of Feed Pelletiser, Crumbler, Post conditioner with dryer, Cooler and associated equipments and accessories /2018, dated 02.03.2018

THE SCHEDULE

I. GENERAL REQUIREMENT

Last date for submission of Tender is 20.03.2018 upto 4.00PM. Date of opening of tender is on 21.03.2018 at 11.00AM. If the tender Opening date is declared as a Holiday by the Government, then the next working day will be the day for opening of tenders. Tenders should state in the body of their letter whether they are:

- i. Manufacturers (or)
- ii. Manufacturers authorized agents (or)
- iii. Holders in stock of the stores tendered for
- iv. TNGST Number should be quoted
- v. The offer should be submitted to two separate envelopes, one for technical bid and the other for commercial bid (marked on top of the envelope as TECHNICAL BID and COMMERCIAL BID). Both the bids should be submitted in sealed closed cover.
- vi. The second cover (Commercial bid containing the Price quotation will be opened only if the technical bid found qualified).
- vii. Indian agents of Foreign Principals should submit their offer / tender along with original proforma invoice from their Principals. Tender should be submitted as per detailed specification for the equipment / item with Earnest Money as specified in this document, through FDR / Demand Draft and should be enclosed.
- viii. A certificate should be submitted to the effect that spares of the equipment will be available upto 7 years (3 years warranty, 2 year guarantee, 2 year comprehensive AMC) after warranty is over, otherwise the equipment will be replaced under buy back scheme at 50% of the original price of the item / equipment.
- ix. The tenderer should furnish a list of supply of such instruments to reputed / accredited institution / industries in the last three years since January 2014 and should be working satisfactorily. Documentary evidence to this effect should be provided with the tender.

II. DEVIATION FROM SPECIFICATION

The tenderers are requested to study the specification stated below:

Tender for the **Supply, Installation and Commissioning of Feed Pelletiser, Crumbler, Post conditioner with dryer, Cooler and associated equipments and accessories** as given below.

Purpose : To prepare pellet feed for fishes

Technical specifications:

Sl.No.	Equipments and Technical specifications	Quantity (Nos.)
1	Bucket Elevator The elevator should elevate the feed ingredients to bin located above pelletiser with flow adjustments. Number of Elevator columns – 2 nos. Height of the elevator – 10-12 meter Boot and head made of 4-5 mm Mild Steel Plates Bearings – NTN not less than 208 size Belt- not less than 4- 5 ply thickness and width of 8- 10 inch Press Mould bucket not less than 15 gauge thickness Gear motor and Variable frequency Drive – not less than 2 HP	1 no.
2	Bin To be located above pellet mill Capacity not less than 500 kg Made by 2-4 mm sheet	1 no.
3	Pelletiser Capacity: 500 - 750 kg per hour Die material –Stainless Steel G-Chrome Number of Die – 3 nos. Die size -1.6 mm, 1.8 mm, 2mm Front Door should be made from 3-5 mm with Stainless Steel plate equipped with an overflow and inspection flap. There should be Power transmission to the main pulley The basement of the press should be MS fabricated of 10-12	1 no.

	<p>mm thickness to ensure smooth running of the press. The die should be fixed in such a way to minimise wear operation of the die. The press should be equipped with two press rolls The bearings should be protected by labyrinth seals. Die inner dia : 300- 305 mm Working width: 60-65 mm Screw feeder 8-10 inch inner dia and not less than 1.4 m length with not less than 2 HP motor and rpm to be regulated. Two conditioners made of Stainless Steel Top Steam Conditioner 10 -15 inch inner dia and not less than 1.4 m length Bottom Steam Conditioner 10 -15 inch inner dia and not less than 1.4 m length with drive. Roll Assembly for Precise Die-Roll Gap Adjustment. Knife Cutter Assembly and precise Depth Adjustment. Motor with starter – not less than 50 Hp</p>	
4	<p>Pellet Conveyer Height of conveyer – 5-6 meter Boot and head made by 4- 6 mm Mild Steel Plates Bearing - NTN 208-210 size Plastic Belt - 18 – 20 inch width Press Mould bucket – not less than 15 Gauge thickness Geared motor with VFD – Not less than 2HP</p>	1 no.
5	<p>Pellet Post Conditioner with Dryer Post conditioner should be after Pelletiser to ensure good water stability and prevent loss of nutrients. The conditioning chamber should be heated by the steam jacket. The dimension of the conditioning chamber is not less than 1 m length x 1 m width x 1 m height. Made of mild steel of 3-4 mm thickness</p>	1 no.

	<p>Accessories should include Horizontal chain driven conveyer, Moisture vending blower, hot air blower, steam radiator with valve.</p> <p>Conditioning time - 20- 30 min.</p> <p>Capacity: 500- 750 kg per hour</p> <p>The inner case should be made of not less than SUS300 stainless steel.</p> <p>The inlet rotary valve should be made of not less than SUS300 stainless steel.</p> <p>Motor not less than 30 HP</p>	
6	<p>Hot Pellet Conveyer</p> <p>Height of conveyer – 6-7 meter</p> <p>Made of 3-4mm Mild steel Plates</p> <p>Bearings - NTN 208-210 size</p> <p>Plastic Belt not less than 4 ply thickness and width of 8- 9 inch</p> <p>Press Mould bucket – not less than 15 Gauge</p> <p>Geared motor with VFD of not less than 2 HP</p>	1 no.
7	<p>Counter Flow Cooler</p> <p>The Cooler should be made of Stainless Steel</p> <p>Geared motor of not less than 1 HP</p> <p>Exhaust fan to be available.</p> <p>Necessary air flow should be ensured.</p> <p>Size of discharge section : not less than 1200 mm length x 1200 mm width</p> <p>Height of pellet layer – not less than 1200 mm</p> <p>Diameter of cooling air tube : not less than 300mm</p> <p>Cooling volume – not less than 750 kg per hour</p> <p>Electric Control Panel for Cooler discharge Gate</p> <p>Pellet discharge device with adjustable and movable sections.</p> <p>Collecting hopper for central discharge of pellets</p> <p>Centrifugal Blower not less than 15 HP and its accessories</p>	1 no.

8	<p>Vibrator Pellet Sieve</p> <p>Made of Mild Steel material</p> <p>Tray made of 2-3 mm sheet fitted with removable Stainless steel mesh. Motor not less than 2 HP</p>	1no.
9	<p>Crumbler</p> <p>Crumbling roller diameter – not less than 160 mm and length not less than 1000 mm</p> <p>Speed rotation - not less than 1200 Rpm</p> <p>Three stage vibro sieve made of stainless steel with 30 mesh ,25 mesh and 20 mesh.</p> <p>Rollers made specially hardened Chilled Roll steel</p> <p>Equipped with feed rotary gear motor and feed diverter flap and roll cleaning gate</p> <p>Rollers - 8-9 inch Diameter and 1000-1200 mm Length fitted in base</p> <p>Individual Gear motors – 4 numbers – Out of which 2 motors not less than 2 HP and 2 motors not less than 1 HP.</p> <p>Stand and fittings as required.</p>	1 no.
10	<p>Electrification work</p> <p>Fixing a separate Panel Board and to draw electrical connections with necessary switchboards and other fittings to individual equipments listed above from the existing main electrical panel</p>	
11	<p>Erection and commissioning of all the equipments and accessories listed to produce feed in the identified Feed mill shed at Muttukadu</p>	

NUMBER REQUIRED : as given above

III. SERVICE CONDITION:

Warranty for three years and Guarantee for two years has to be furnished.

IV. AMC:

1. Comprehensive AMC for next two years to be quoted separately along with consumables.
2. In case of deviation or alteration the same should be brought out boldly and prominently in the offer made.
3. Any terms or conditions not brought out in the body of the offer will not be considered.
4. In case any condition or terms of contract applicable in the invitation of Tender is not acceptable to the Tendering firm they should specifically state deviation therein from the body of their tender.
5. In the body of the letter, the tenderer should specifically state that he/she agrees for sole arbitration by the Finance Officer, Tamil Nadu Fisheries University, Nagapattinam.

V. PRICE

- a) Prices must be in terms of Rupees / equivalent currency.
- b) The unit prices should be for the equipment / accessories as indicated in the schedule of tender enquiry / items basically needed for **Supply, Installation and Commissioning of Feed Pelletiser, Crumbler, Post conditioner with dryer, Cooler and associated equipments and accessories** and not for any other equipment.
- c) Prices quoted should be for delivery at site, as specified in the supply order inclusive of charges such as packing and forwarding.
- d) Discount if any, should be indicated prominently.
- e) Prices quoted shall be firm in all respects and for each equipment/item.
- f) Tenders with price variation basis will not be accepted.
- g) The offer should be kept valid for six months from the date of tender and supply and installation is expected before **September – 2018**

The tender is solely responsible for the equipment till delivered and demonstration of the equipment to be conducted with full satisfaction of the customer.

VI. EARNEST MONEY TO BE DEPOSITED ALONG WITH THE TENDER.

Each tender should be accompanied by an Earnest Money Deposit of @ 1% of price offered by them in the form of Demand Draft, bankers cheque, specified small savings instruments or where the procuring entity deems fit, irrevocable bank guarantee in a prescribed form drawn in favour of **Director i/c, Directorate of Aquaculture Technology, Training and Incubation** failing which the tender will not be considered. Cheques will not be accepted. If for any reason the tenderer withdraws the tender before or after being selected or before being rejected by the competent authority, the Tamil Nadu Fisheries University reserves the right to forfeit the deposit in part or in full. The Earnest Money deposited will be refunded to the

unsuccessful tenderer. In the case of successful tenderer, the amount will be adjusted towards Security Deposit.

VII. SECURITY DEPOSIT:

The successful tenderer (hereinafter referred to as contractor) shall also furnish a security deposit of not less than five per cent of the value of the orders placed in the form of Demand Draft, bankers cheque, specified small savings instruments or where the procuring entity deems fit, irrevocable bank guarantee in a prescribed form drawn in favour of the **Director i/c, Directorate of Aquaculture Technology, Training and Incubation**, Chennai within 15 days from the date of intimation of the acceptance of the tender. The Security Deposit will be inclusive of the Earned Money Deposit, already remitted.

The Security Deposit at 5% will be refundable only after the expiry of a period of One Year from the date of handing over the stores in working conditions/ completion of the work to the full satisfaction and upon the Tamil Nadu Fisheries University, issuing a Certificate that no amount is due from the contractor under the agreement and that the contract executed an agreement on a non-judicial stamp paper of the value to be fixed incorporating the terms and conditions of the contract within one month from the date of intimation of the acceptance of the tender. In case of default of these conditions i.e. remitting security deposit and executing agreement within the time allowed, the earnest money deposit will be forfeited without prejudice to any other right of the University service. The University will also be entitled to make other arrangement for obtaining these items from others and recover from the contractor any excess expenditure or cost incurred by the University over the contract price together with all charges, expenses and damages attending to such purchase, provided the **Director i/c, Directorate of Aquaculture Technology, Training and Incubation, ECR –Muttukadu, Chennai – 603 112** in specific application from the contract grant extension of time in specific circumstances in the matter of payment of security deposit and execution of agreement.

VIII. DELIVERY

The supplies shall be subject to inspection and acceptance or rejection by the Finance Officer, Tamil Nadu Fisheries University or such other person as Finance Officer, Tamil Nadu Fisheries University shall from time to time name and appoint for the purpose, the said person to be named and appointed being hereinafter referred to as the Inspection Officer.

The supplies made by the tenderer which in the opinion of the Finance Officer, Tamil Nadu Fisheries University or the Inspecting Officer in bad order, unsound in quality or description or not in accordance with specifications as have been prescribed in that behalf or otherwise faulty or unfit for use, shall be rejected.

The supplies so rejected shall be removed by and that the expenses of tenderer within 15 days after he has been given notice of the rejection. If not taken away, the Finance Officer, Tamil Nadu Fisheries University may cause the goods to

be removed and disposed off in the manner he may deem fit and recover from the tenderer the expenses incurred in such removal and disposal.

The substitution of supplies which have been rejected by the Finance Officer, Tamil Nadu Fisheries University or the inspecting Officer in whole or in part under the provisions herein before contained the tender shall and will within the time permitted by the Finance Officer, Tamil Nadu Fisheries University or the inspection officer after such rejection shall have been notified to him as aforesaid supply and delivery without causing any extra cost of expenditure. If not so supplied and delivered by the tenderer or substitution, as aforesaid and also in case of failure by the tenderer to supply and deliver supplies demanded from him under this tender within the period prescribed for supply and delivery, Finance Officer, Tamil Nadu Fisheries University or the Inspecting Officer shall have the power to purchase from others in lieu of rejected or not delivered goods and any excess expenditure or cost incurred by the University over and above the tenderers price together with all charges and expenses attending to the purchase shall be recoverable from the tenderer. Nothing herein contained shall prejudice any other right of the University on that behalf under the tenderer or otherwise.

IX. PAYMENT:

The payment will be made in two parts through irrevocable letter of credit (L/C) or sight draft.

90 per cent of the payment will be made on submission of the shipping documents to the Bank. 10 per cent of payment will be made after the effective performance of the equipment.

A guarantee towards the supply of spare parts if any when required on the agreed basis for on agreed price.

X. THE TENDERER SHALL FURNISH THE FOLLOWING GUARANTEE

A guarantee to the effect that articles supplied shall be of the best quality and workmanship and shall be in with such quantities and such price. A guarantee for the period of one year or more from the date of handing over the equipments for the proper functioning of the equipment and systems and any defects in their proper function during the guarantee period should be rectified by the tenderer at free of charge. If during the guarantee period, the supplies are found not to the description and quality offered, the University will be entitled to reject the articles and the supplier shall replace or pay the tenderer, University such damages that may arise including the replacement of cost and towards delay and damages. Nothing herein contained shall prejudice any other right of the University on that behalf under the tender or otherwise.

XI. TRANSFER OF SUPPLY

The tenderer shall not transfer or assign the supply or any part there or any interest therein directly or indirectly to any person or persons whomsoever without the written consent of the University.

XII. If the supply order is placed on a higher tenderer as a result of the inability of the tenderer then he will be liable to pay the University the difference between the supply rate and that the lowest acceptable tender and incorporated in the supply. This is in addition to and without prejudice to other rights under the terms of the tender.

XIII. INSTALLATION AND TESTING

- a) The time allowed for completion of supply and delivery as prescribed including demonstration under the conditions of the tender is the essence of the tender. The tender should include the installation, commissioning and trial.
- b) Without prejudice to other rights under the terms of this tender or otherwise.
- c) If the tenderer fails in the due performance of his supply within the time fixed in the supply or any extension thereof, the tenderer is liable to pay as liquidated damages up to 2% per month of the supply value of such portion of the materials as have not been delivered, installed and commissioned and having been delivered and commissioned can not in consequence of the delay be used efficiently during each month between the appointed or extended time as the case may be and the actual time of delivery installation.

The tenderer is not entitled for any enhancement of the rates once accepted. It shall be lawful for the purchaser to set off any loss or expense or cost of damages sustained or incurred by the purchaser by reason of the cancellation of the tender form and out of any nominees for the time being payable or due to the tenderer from the University otherwise apart from forfeiting the security deposit furnished by the tenderer. All sums found due to the University under or by virtue of these presents shall be recoverable from the tenderer in any manner as the University may deem fit.

XIV. Any notice or communication to the tenderer shall be deemed to be sufficiently served if given or left in writing at his usual or last known place of abode.

XV. All questions disputes or differences arising under out of or in connection with the supply, if not concluded shall be subject to the exclusive jurisdiction of the place from which the acceptance of the tender is issued, is situated.



Director, i/c,
Directorate of Aquaculture
Technology, Training and Incubation
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