TAMIL NADU Dr. J.JAYALALITHAA FISHERIES UNIVERSITY

No.Dn / FC&RI /DFPT/NADP-KAYALAGAM / Freshwater Treatment Unit / 2019 Date: 16.08.2019

TENDER NOTICE

Sealed Tenders (Two Covers system-Technical and Commercial Bids Separately) are invited from firms of standing, who are actual manufacturers or authorized distributors of such manufacturers for the supply of **Freshwater Treatment Unit**. GSTIN registration No. Should be furnished.

Tender schedule containing detailed Specifications of the above equipment and terms and conditions can be had from the **Dean, Fisheries College and Research Institute, Thoothukudi – 628 008, Tamilnadu,** on working days from 16.08.2019 (9.30 am to 5.00 pm) on payment of Rs.100/- (Rupees One hundred only) by demand draft in favour of **The Dean, Fisheries College and Research Institute, payable at Thoothukudi.** The last date for the receipt of requisition for the supply of tender forms will be upto 5.00 P.M. on 29.08.2019. Money orders and postal orders will not be accepted.

The tender schedule may also be downloaded from the university website www.tnjfu.ac.in/tenders in which case, the cost of tender schedule i.e. Rs.100/- (Rupees One hundred only) in the form of demand draft shall be send to the The Dean, Fisheries College and Research Institute, Thoothukudi – 628 008, Tamil Nadu.

The sealed cover super –scribed as **"Tender for the supply of Freshwater Treatment Unit" Department of Fish Processing Technology** should be addressed to **The Dean, Fisheries College and Research Institute, Thoothukudi – 628 008 Tamilnadu,** so as to reach him **on or before 30.08.2019 at 3.00 pm and will be opened on 30.08.2019 at 4.00 P.M.** in the presence of such of those tenderers of their authorized representatives as may be present.

The right of rejecting any (or) all tenders without assigning any reasons thereof is reserved by the Dean, Fisheries College and Research Institute, Thoothukudi – 628 008, Tamilnadu.

16/8/2019

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Fisheries College and Research Institute,
Thoothukudi – 628 008

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Annexure 1

Particulars to be furnished along with the tender notice

1.	Name designation and address of the tender inviting authority	:	Dr. P. Velayutham,Ph.D., Dean in-charge, Fisheries College and Research Institute, Thoothukudi – 628 008
2.	a) Name of the items for which tender is invited	:	Fresh Water Treatment Unit
	b) Place	:	Fisheries College and Research Institute, Thoothukudi – 628 008
3.	Place, period of availability & cost of tender schedule	:	Place: Office of the Dean, Fisheries College and Research Institute, Thoothukudi – 8 Date: From 16.08.2019 To 29.08.2019 Time: From 9.30 A.M To 5.00 P.M Cost of tender schedule: Rs.100/-
4.	Particulars about EMD to be deposited	:	Earnest Money Deposit of 1% of total value of the product by them in the form of Demand Draft drawn in favour of the Dean, Fisheries College and Research Institute, Thoothukudi – 628 008, payable at Thoothukudi.
5.	Last date, time and place of submission of tender		Date: 30.08.2019 Time: Up to 3.00 P.M Place: Office of the Dean, Fisheries College and Research Institute, Thoothukudi –8. Phone: 0461-2340554, Fax: 0461-2340574
6.	Date, time and place of opening of tender	:	Date:30.08.2019 Time: 4.00 P.M Place: Office of Dean, Fisheries College and Research Institute, Thoothukudi – 628 008
7.	Important points deems fit by the tender inviting authority	:	The tenderers should have minimum of five years of experience in the relevant field
8.	Signature of the tender inviting authority	:	

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TAMIL NADU Dr. J. JAYALALITHAA FISHERIES UNIVERSITY
Fisheries College and Research Institute
Thoothukudi - 628 008

TENDER FORM AND CONDITIONS

1. GENERAL:

Last date for submission of Tender is on **30.08.2019 upto 3.00 PM**. and of opening of tender is on **30.08.2019 at 4.00 PM.** Tenders should state in the body of their letter whether they are:-

i) Manufacturers
ii) Manufacturer's authorized agents
iii) Holders in stock of the stores tendered for

II. DEVIATION FROM SPECIFICATION:

The tenderers are requested to study the specification-stated below:

Tender for the supply of **Fresh Water Treatment Unit**

SPECIFICATION	:	as given in the schedule
NOS. REQUIRED	:	01 No.

SERVICE CONDITION:

Guarantee period and after sales service conditions to be mentioned. In case of deviation or alteration the same should be brought out boldly and prominently in the offer made.

III. Any terms or conditions not brought out in the body of the offer will not be considered.

IV. 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.

V. In the Body of the letter, the tenderer should specifically state that he agrees for sole arbitration by the Dean, Fisheries College and Research Institute, Thoothukudi.

VI. **Price:**

a) Prices must be in terms of rupees and paisa
b) The unit price should be for the equipment as indicated in the schedule of tender enquiry and not for any other equipment.
c) Price quoted should be for delivery at site, as specified by the Finance Officer, Tamil Nadu Dr. J. Jayalalithaa Fisheries University, Nagapattinam inclusive of charges such as packing, forwarding and installation.
d) Discount if any, should be indicated prominently.
e) Prices quoted shall be firm in all respects and for each equipment.

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 is expected before **30 days from the date of contract.**

VII. The tenderer is solely responsible for the equipment till delivered and demonstration of the equipment to be conducted.

VIII. **Earnest Money Security Deposit and Execution of Agreement:**

Each tender should be accompanied by an **Earnest Money Deposit of 1% of total value of the product** in the form of **demand draft drawn in favour of the Dean, Fisheries College and Research Institute,** payable at **Thoothukudi** failing which the tender will not be considered. **Cheques and ready cash 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 Dr. J. Jayalalithaa Fisheries University reserves the right to forfeit the deposit in part or in full. The earnest Money deposited will be refunded to the unsuccessful tenderers. In the case of successful tenderers, the amount will be adjusted towards Security Deposit.

The successful tenderer (hereinafter referred to as contractor) shall also furnish **a security deposit of not less than 5% of the total value of the contract** within 15 days from the date of intimation of the acceptance of the tender. The Security deposit will be inclusive of the Earnest Money Deposit, already remitted

The security deposit 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 Dean, Fisheries College and Research Institute, Thoothukudi- 628008, Tamil Nadu, issuing a certificate that no amount is due from the contractor under the agreement and that the contractor executed 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 (EMD) will be forfeited without prejudice to any other right of 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 Dean, Fisheries College and Research Institute, Thoothukudi-628008 in specific circumstances in the matter of payment of security deposit and execution of agreement.

IX. **Delivery:**

The supplies shall be subject to inspection and acceptance or rejection by the Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamil Nadu, or such other person as the Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamil Nadu, 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 Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamil Nadu, 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 Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamilnadu, 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 Dean, Fisheries College and Research Institute, Thoothukudi- 628008, Tamil Nadu, or the Inspecting Officer in whole or in part under the provisions herein before contained the tenderer shall and will within the time permitted by the Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamil Nadu, 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 win in the period prescribed for supply and delivery, the Dean, Fisheries College and Research Institute, Thoothukudi-628008, Tamil Nadu, or the inspecting Officer shall have 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 tenderer 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 in that behalf under the tender or otherwise.

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

XI. **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 a period of one year or more from the date of handing over the equipment and systems and any defects in their proper function during the guarantee period should be rectified by the tenderer free of charge. If during the guarantee period, the supplies are found not to the description and quality offered by the University will be entitled to reject the articles and the supplier shall replace or pay the University such damages as may arise including the replacement of cost and towards delay and damages. Nothing herein continued shall prejudice any other right of the University if that behalf under the tender or otherwise.

XII. **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.

XIII. If the supply order is placed on a higher tenderer as a result of 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. This is in addition to and without prejudice to other rights under the terms of the tender.

XIV. **Installation and Testing:**

All deliveries of goods should be accompanied by invoice bills in triplicate to the officer at site to whom the goods are supplied.

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.
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 upto 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, installed and commissioned cannot 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 or 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 nominees for the time being payable or due to the tenderer from the University otherwise apart from forfeiting the security deposit furnished by their tenderer.

d) 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 it.

XV. 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.

XVI. 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.

DEAN i/c
Fisheries College & Research Institute
Thoothukudi

TAMIL NADU Dr. J. JAYALALITHAA FISHERIES UNIVERSITY
Fisheries College and Research Institute
Thoothukudi - 628 008

TENDER SCHEDULE

Tender for the supply of Freshwater Treatment Unit
Issued to: -

DEAN i/c
Fisheries College & Research Institute
Thoothukudi

Sl. No.	No. of Unit required	Particulars of the equipment	Rate in Figures & Words	Unit in Figures & No.	Total
1.	One	**FRESH WATER TREATMENT UNIT (500 LPH)**			

COMPLETE PLANT SPECIFICATIONS

FEED PUMP

Capacity	:	3000 LPH
Power	:	1HP
Make	:	CRI/KIRLOSKAR/LEO
Type	:	Self priming

MULTIGRADE BED FILTER:
Multi Grade Bed filter removes dust, turbidity, sediments and mud from the bore well water. We recommend the capacity of sand bed filter is 6000 LPH. AVVENTURA/HIPPO 3072 has FRP coated

Capacity	=	3000 LPH
Height	=	54 INCHES
Diameter	=	10 INCHES
Material	=	FRP
Valves	=	40NB Ball Valves MPV
Media	=	Quartz sand and pebbles, carbon
Application	=	to remove turbidity
Quantity	=	2Nos

ANTI-SCALENTDOSING SYSTEM

The salts of calcium and magnesium will be deposited in membranes as hard water scales. In order to prevent this problem, we have to add Anti-Scalent chemical to the raw water at required dosage level. The anti scalent will be mixed with raw water by means of an Electronic Dosing Pump to prevent scale for motioning membrane.

MICRON FILTER

Material	=	20 inches filter
Flow rate	=	3000LPH
No of Cartridge	=	2 Nos.
Length of cartridge	=	20"
Micron Rating	=	5micron
Quantity	=	2 Nos.

PRESSURE PUMP

Capacity	=	3000 lph at 12.5kg/cm2
Type	=	Positive Displacement Pump
Make	=	CRI/LEO/SHIMGE
Phase	=	Three Phase or single phase
Motor power	=	2Hp

MEMBRANE MODULE

Model	=	4040FRP
Type	=	2Arraysystem
Operating pressure	=	400PSImax.
Material	=	FRP
Piping	=	1-1/2"BSP
Quantity	=	2 Nos.

R.O.MEMBRANE

Quantity	=	2 Nos.
Model	=	30BW 4040(HIGHTDSUPTO5000PPM)
Diameter	=	8"
Length	=	40"
Type	=	Spiral Wound
Material	=	TFC
Make	=	HYDRONAUTICS/Filmtec/ Hydramem ion exchange

ELECTRICAL PANEL

Model	=	RO PANNEL
Type	=	L&TCONTACTOR
Outlets	=	1Phase,
Display	=	Panel
Indications	=	Dry Run, Pumps amperage, TDS, low& High pressure,

INSTRUMENTATIONS

Pressure Gauge	=	2Nos.
Low pressure switch	=	1no
High pressures witch	=	1no
Mineral water flow meter	=	1no

Reject water flow meter	=	1no
Skid	=	STAINLESS STEEL
Pipe fittings	**=**	**CPVC&UPVC**
Storage Tank	**=**	**500 Ltr**

Special Conditions:

Price may be quoted in Indian/ foreign currencies (along with its equivalents in Indian Rupees) for the main equipments and the accessories inclusive of all the prices for the delivery at our sites.

1. Price and taxes should be quoted separately.
2. This institution eligible for concessional rates of GST as notified by the Government of India under notification No.47/2017-Integrated tax (Rate) and 45/2017-Central Tax (Rate) Dated: 14.11.2017. The goods for which tenders have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. The DSIR certificate to this effect will be issued by the institute to the tenderer after award of the contract. Tenderers are requested to submit their tenders after accounting for the concessional rate of GST. **The applicable concessional rate of GST is 5%.**
3. This Institute is registered with DSIR and is exempted from Customs and Central Excise Duty. In case, of imported goods, CDEC/DSIR certificates will be provide to the firm.
4. Accessories, UPS, Compatible PC and other sources may be from own source or from third party producers.
5. Such third party manufacturers of accessories who fulfill the general conditions furnished above should also be included in the tender.
6. The manufacturers of the third party accessories should have sales and service network in Tamil Nadu.
7. Service and AMC policies of the third party accessories should be given in the technical bid of the tender.
8. Application training should be provided to our faculty and research personal in our lab after the installation.
9. Specification sheet- A detailed specification sheet highlighting all above specifications along with detailed experimental condition must be attached.
10. User list- the details of the number of installations of similar application with similar instrument to be enclosed.
11. Other service and conditions are given with separate sheets attached with the schedule.

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