

TENDER NOTICE

TENDER FOR THE SUPPLY OF REAL TIME PCR TO THE FISHERIES RESEARCH AND EXTENSION CENTRE, TNFU-MADHAVARAM CAMPUS, TAMILNADU FISHERIES UNIVERSITY MADHAVARAM MILK COLONY, CHENNAI – 600 051, TAMILNADU

No. 273 FREC/Purchase/2015-16, dated 18.12.2015

Sealed Tenders (Two covers system – Technical and Commercial bids separately) are invited from firms of standing, who are actual manufacturers, accredited distributors of such manufacturers for the supply of Real time PCR with online UPS and other accessories.

TNGST/CST/TIN Reg.No. should be furnished

Tender schedule containing detailed specifications of the above equipment and terms and conditions can be had from the Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram milk colony, Chennai – 600 051, Tamilnadu on payment of Rs.100/- (Rupees One hundred only) by cash or demand draft drawn in favour of the Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, payable at Chennai. The last date for the receipt of requisition for the supply of tender schedule will be 4.01.2016 at 3.00 PM. Money orders and postal orders will not be accepted.

The tender schedule may also be downloaded from the university website www.tnfu.ac.in in which case, the cost of tender schedule ie. Rs.100/- (Rupees One hundred only) in the form of Demand Draft may be sent to the Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram milk colony, Chennai – 600 051.

The sealed covers super-scribed as “Tender for the supply of Real time PCR” should be addressed to The Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram milk colony, Chennai – 600 051, Tamilnadu, so as to reach him on or before 4.01.2016 at 4.00 PM and Technical bid cover will be opened on 05.01.2016 at 11.00 AM and scrutinized and the commercial bid cover will be opened on 8.01.2016 at 11.00 AM 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 Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram milk colony, Chennai – 600 051, Tamilnadu. Further particulars, if any required, can be obtained from the Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram milk colony, Chennai – 600 051.

Professor & Head
Fisheries Research and Extension Centre,
TNFU-Madhavaram Campus,
Madhavaram milk colony, Chennai – 600 051

TAMIL NADU FISHERIES UNIVERSITY

FISHERIES RESEARCH AND EXTENSION CENTRE,
TNFU-MADHAVARAM CAMPUS, TAMILNADU FISHERIES UNIVERSITY
MADHAVARAM MILK COLONY, CHENNAI – 600 051, TAMILNADU

TENDER SCHEDULE

Tender for the supply and installation of “**Real time PCR**” with online UPS and accessories is invited.

Issued to:

Professor and Head,
Fisheries Research and Extension Centre,
TNFU-Madhavaram Campus, Madhavaram Milk Colony,
Chennai – 600 051, Tamilnadu

Sl. No.	No. of Unit required	Particulars of the equipment	Rate in Figures & Words	Unit in Figures & No.	Total
1	One	Real time PCR with online UPS and accessories			

Technical Specification :

1. The real time PCR system should be a standalone system independent of computer work station
2. Should be a open system for both reagents and disposable plastic consumables, kinds of chemistry and commercially available kits.
3. Have provision to carry out
 - a. the Real-time amplification for measuring DNA/RNA from purified samples
 - b. Absolute Quantification assays
 - c. Advanced relative quantification
 - d. Qualitative assays
 - e. Multiplex PCR – Allelic discrimination (SNP)
 - f. High resolution melting curve analysis (HRM) for mutation studies
 - g. Pathogen detection
 - h. Virtually any published protocol or chemistry
4. Sample capacity : To load 96 well plates and /or strips , sample volume requirement - a minimum volume of 5 µl or less is preferred
5. Peltier-based Thermal cycling system with a minimum temperature accuracy of ± 0.2 °C of programmed temperature range and well to well temperature Uniformity of ± 0.1 °C.

6. LED excitation source; Photodiode/CCD camera for detection with the ability to detect the majority of the commercially available dyes ; well to well excitation and emission without any edge effects.
7. Pre-calibration for detection dyes (SYBR, FAM, ResoLight dye, VIC, Hex, Yellow555, Red610, Texas Red, and Cy5). Dedicated channel for FRET Chemistry is preferred
8. A fast run time (<40 min) for 3 step 40 cycles of PCR and a ramp rate more than 4 °C while heating and less than 2 °C/sec while cooling.
9. Column gradient function for the temperature optimization. A maximum gradient range of 24 °C is preferable.
10. A minimum multiplexing capacity of 5 color multiplex analysis without any passive reference dye.
11. Sensitivity to detect one copy of the target.
12. System should have a port for USB Drive for uploading and downloading data and programs.
13. Dedicated Software as per MIQE Guidelines to be supplied separately ; with protocol autowriter facility ; which is compatible with the type of systems such as Win 7, Win XP, Win8 and Win 8.1 that allows
 - a. Import and export of data in formats like Txt export, charts –data and images.
 - b. The user to design the experiment for plate layout before running or during the run.
 - c. The remote access for trouble shooting.
 - d. Email accounts for notification, with success or failure messaging and optional experiment file attachment.
14. Accessories to be supplied along with the real time PCR
 - a. Start up consumables for 500 reactions- SYBR green master mixes, plates, strips and other essential consumables to carry out the reactions
 - b. 3 KVA online UPS system with backup of 2 hours
 - c. Desktop Computer system with one laser printer CPU, I-3 processor, 4 GB RAM, 500 GB hard disk, 17 inch LCD Monitor, Keyboard and optical mouse.
15. Special conditions
 - 1.Price may be quoted in Indian / foreign currencies (along with its equivalent in Indian Rupees) for the main equipment and the accessories inclusive of all the prices for the delivery at our site.
 2. Price and taxes should be quoted separately
 3. Five years warranty from the date of installation & commissioning including spares, unlimited break down visits and two preventive maintenances every year should be included.

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 be included in the tender.
6. Five years warranty period should cover all third party accessories quoted
7. The manufacture of the third party accessories should have sales and service network in Tamil Nadu.
8. Service and AMC policies of the third party accessories should be given in the technical bid of the tender.
9. Application training should be provided to our faculty and research personnel in the reputed and recognized application facility at free of cost.
10. Other service conditions are given with separate sheet attached with the schedule
- 16.** Specification sheet -A detailed specification sheet highlighting all above specifications along with detailed experimental conditions must be attached
- 17.** User list -The details of the number of installations of similar application with similar instruments to be enclosed.
- 18.** Training -Operational & Application Training should be provided during demonstration in our lab after the Installation.

Professor and Head,
Fisheries Research and Extension Centre,
TNFU-Madhavaram Campus, Madhavaram Milk Colony,
Chennai – 600 051, Tamilnadu

TENDER FORM AND CONDITIONS

No. 273 FREC/Purchase/2015-16, dated 18.12.2015

I. GENERAL :

Last date for submission of Tender is 4.01.2016 at 4.00 PM. Technical bid cover will be opened on 5.01.2016 at 11.00 AM and scrutinized and the commercial bid cover will be opened on 8.01.2016. at 11.00 AM. Tender should state in the body of their letter whether they are

- i) Manufactures
- ii) Manufacture's authorized agents
- iii) Holders in stock of the stores tendered for

II. DEVIATION FROM SPECIFICATION :

Tender for the supply and installation of **Real time PCR equipment (1 No.)** with online UPS and accessories is invited.

The tenders are requested to study the specification stated below:

Specification : as given in the schedule
Nos. required : as given in the schedule

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 Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051.

VI. PRICE

- a) Prices for the main equipment and accessories may be quoted in terms Indian / foreign currencies
- 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, Tamilnadu 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 31.3.2016

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 Rs.24,000/- in the form of demand draft drawn in favour of the Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu failing which the tender will not be considered. Cheques and 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 Tamilnadu 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 10% of the total value of the contract subject to maximum of Rs.25,000/- 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 Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu 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 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 5 the contract price together with all charges, expenses and damages attending to such purchase, provided the Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu 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 Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, or such other person as the

Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu 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 Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, 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, Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, may ask 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 Professor & Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, 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 Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, 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, Professor and Head, Fisheries Research and Extension Centre, TNFU-Madhavaram Campus, Madhavaram Milk Colony, Chennai – 600 051, Tamilnadu, 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/her 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, 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.

Professor and Head,
Fisheries Research and Extension Centre,
TNFU-Madhavaram Campus, Madhavaram Milk Colony,
Chennai – 600 051, Tamilnadu