



**KERALA STATE CO-OPERATIVE FEDERATION FOR
FISHERIES DEVELOPMENT LIMITED ((MATSYAFED))
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No.Mfed/D1/4498/99

17/09/09

TENDER NOTICE

Competitive tenders separate in sealed covers superscribing the name of work are invited from reputed Companies/Dealers for the supply, erection, and commissioning of following items at Matsyafed Prawn Hatchery, at Thirumullavaram, Kollam and Moplabay, Kannur.

The tenderer should quote their rates including all costs, taxes, if any ,etc in the prescribed form, which can be had from this office on working hours from 20/09/09 to 30/09/09 end upto 1 PM on 01/10/09 payment of cost of Rs.100/each. Quotations will be received by the undersigned at Matsyafed Head Office, Kamaleswaram, Thiruvananthapuram only upto 3 PM on 1/10/2009 and will be opened at 3.30 PM on the same day in the presence of quotationers of their authorised representatives present. The tenderer should enclose EMD for an amount 1% of the value of the total amount quoted by demand draft drawn on a Nationalised/Scheduled bank in favour of the General Manager, Matsyafed payable at Thiruvananthapuram. The supply should be completed within 30 days on receipt of the order. Matsyafed reserves the right to accept or reject any or all tenders received without any reason thereof. Details if any can be had from this office at Thiruvananthapuram on all working days (Phone 0471-2458606, 2457756)

MANAGING DIRECTOR

PCR SYSTEM WITH ACCESSORIES

A.PCR Machine (2 nos)

- **Main thermo block should accommodate 25x0.2 ml, 16 x 0.5 ml tubes and one 5x5 micro titer plate**
- **Easy programming, Adjustable ramps, time – temperature increments, incubation mode, in-situ mode, link function and pause.**
- **Temperature control range from 4-99 ° C**
- **Temperature control via Block & Tube function**
- **Adjustable heated lid for different tubes**
- **Programmable temperature control speed:**
 - approx. 3 ° C/s (heating)**
 - approx. 2° C/s (heating)**
- **Block homogeneity at 20 to 72 ° C- $\leq \pm 0.4^{\circ}$ C- $\leq \pm 0.5^{\circ}$ C**
- **Regulation accuracy $\pm 0.2^{\circ}$ C**
- **Personal card for easy transfer of data between different cyclers**
- **Ability to store methods on external card for safety and multiple user capability**
- **Auto restart option incase of power failure**
- **Optional Temperature Validation system for easy and fast validation & calibration of Temperature block**
- **Integrated program for automatic measurement and calibration**
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- **Licensed and authorized system for PCR applications**
- **Two years warranty**
- **In future system can be upgraded as computer controlled system**
- **The same software should be capable of networking up to 16 systems in the future.**

B. Personal Mini Centrifuge (2 nos):

- **Compact centrifuge for speed up to 13400 rpm and 12100xg**
- **Digital display for easy setting**
- **Rotor for 12 x 1.5/2ml tubes**
- **Adapter for 0.2ml PCR tubes and 0.5ml tubes in the same rotor**
- **Optional rotor for PCR strip**
- **Metal rotor housing**
- **Autoclavable rotors and adapters**
- **Chemical resistance rotor and rotor lid**
- **Separate short spin button for fast, convenient quick spins**
- **Automatic lid release to reduce handling time**
- **Excellent air flow to minimize heating – protects temperature sensitive samples**
- **Acceleration and deceleration in 14 seconds**
- **Conforms to IEC Safety Standards**

C. Tubes

- **0.2ml PCR tubes, colourless, 1000 pcs (1no)**
- **0.5 ml Tube, thin-walled with hinged lid, colorless, 500 pcs (2nos)**

D. Tips

- **Standard 0.1-1µl 2 bags of 500 tips (1 no)**
- **Standard 2-200µl 2 bags of 500 tips (2 no)**
- **Standard 2-200µl 2 bags of 500 tips (1 no)**

E. Micropipettes (2 nos)

- **Four digit display**
- **2 Button operation**
- **Autoclavable lower part**
- **Viable calibration seal to indicate factory calibration not changed**
- **Chemically resistant**
- **Maintenance free nose cones**
- **Separate button for Tip ejector**
- **3 years warranty**

VOLUME RANGE	VOLUME	INACCURANCY
0.1-2.5μl	0.25μl	\pm12.0%
	1.25μl	\pm12.0%
	2.5μl	\pm1.4%
2.0-20μl	0.2μl	\pm5.0%
	10μl	\pm1.2%
	20μl	\pm1.0%
20-200μl	20μl	\pm2.5%
	100μl	\pm1.0%
	200μl	\pm0.6%
100-1000μl	100 μl	\pm3.0%
	500μl	\pm1.0%
	1000μl	\pm0.6%

F Imported Transilluminator (2 nos)

G. Electrophoresis System (2 nos)

H.WSSV Kit (2 nos)