



GOVERNMENT MEDICAL COLLEGE, ERNAKULAM
Kalamassery, HMT Colony, Kochi – 683 503

P1-14336/16/T-10/GMCE/

28/12/16

TENDER NOTICE

Competitive tenders are invited in two bids system (Technical and Price bid) for the supply of instruments to Microbiology Department of this college as per the tender schedule given below. The tender offers, duly filled, shall be submitted in two separate sealed covers for technical and price bids respectively. Such covers shall be superscribed as “**Tender No. P1-14336/16/T-10/GMCE : Instruments to Microbiology Department (TECHNICAL BID)**” and “**Tender No. P1-14336/16/T-10/GMCE : Instruments to Microbiology Department (PRICE BID)**” as the case may be. Both the sealed covers shall be enclosed in another sealed (third) cover which should also be superscribed as “**Tender No. P1-14336/16/T-10/GMCE : Instruments to Microbiology Department**”

Sl. No.	Items	PAC Rs.	Tender Cost Rs.
1.	BOD Incubator 91 Ltr	1,08,000.00	Rs.700/- + VAT: 5%
2.	Centrifuge table top	1,08,351.00	
3.	Culture plate rotator	1,00,000.00	
4.	Media dispenser	20,000.00	
5.	Water bath small	8,000.00	

EMD - Rs.3500/-
Last date for sale of tender form - 20/01/17, 3.00 PM
Last date for submission - 24/01/17, 3.00 PM
Date of opening - 24/01/17, 3.30 PM

Details can be had from the office of the undersigned on all working days and also available in the web site [www. cmccochoin.org](http://www.cmccochoin.org).

Sd/-
PRINCIPAL(i/c)

To

District Public Relation Officer, Kakkanad (*for publication in newspaper*)
Notice Boards (Administrative Office/Hospital)
HOD Microbiology/Biomedical Engineer
System Analyst i/c- for publication in web site
A1 Seat/SF/OC

.....(2)

TENDER SCHEDULE

Tender Details

1	Tender No.	P1-14336/16/T-10/GMCE
2	Cost of tender Document	Rs. 735/- (inclusive of tax)
3	Earnest Money Deposit	Rs.3500/-
4	Performance Security	5% of the instrument cost (excl. of tax)
5	Validity of Performance Security	3 years

Important dates:

Sl. No.	Particulars	Date and time
1	Last date for sale of tender form	20/01/17, 3.00 PM
2	Last date for submission of tender	24/01/17, 3.00 PM
3	Date of Technical bid opening	24/01/17, 3.30 PM
4	Date of demonstration of Equipment	To be informed to the qualified tenderers after evaluation of technical bids
5	Date of opening of the price bid	To be informed to the qualified tenderers after evaluation of technical bids/demonstration

DETAILS OF EQUIPMENTS TENDERED

Item no.	Description	Quantity
1	BOD Incubator 91 Ltr.	1 no.
2	Centrifuge table top	1 no.
3	Culture plate rotator	1 no.
4	Media dispenser	1 no.
5	Water bath small	1 no.

Technical specifications:

The detailed technical specifications and other quality parameters of the above equipment are contained in Annexure-I

Specific conditions of contract

Sl.No.	Activity	Time limit
1	Installation & Delivery period	4 weeks from date of issuance of Supply Order
2	Comprehensive warranty period	3 years
3	CMC/AMC period	5 years.
4	Frequency of visits to all User Institution concerned during Warranty/CMC or AMC	One visit every 6 months (2 visits in a year) for periodic/preventive maintenance and any time for attending repairs/break down calls.
5	Frequency of payment of CMC or AMC charges	As per terms of CMC/AMC agreement
6	Submission of Performance Security and entering into contract	10 days from the date of issuance of Letter of Intent
7	Payment	100% against installation & submission of proper documents
8	Maximum time to attend any Repair call	Within 48 hours

General conditions

Submission of bids

The Technical bid and price bid should be submitted in two different sealed envelopes clearly specifying the nature of bids on the respective envelopes. Both the sealed envelopes shall be enclosed in another sealed (third) envelope which should be superscribed as "Tender No..... for supply of(here mention the name of the equipment)

Contents of technical bid

1. Technical literature, product data sheet.
2. Tender document duly signed.
3. Agreement in non judicial Kerala stamp paper Rs.200/- in the format given in tender document.
4. Copy of Quality Certificate requested as per the technical specification (if applicable) for the offered model.
5. Compliance statement of the technical specifications with deviations and justifications as per annexure -I.
6. Earnest Money Deposit in the form of Fixed Deposit Receipt/Demand Draft drawn in favour of the Principal, GMC Ernakulam payable at Ernakulam. Those who are eligible for exemption should submit the copy of exemption certificate.

Contents of Price bid/commercial bid

1. Price bid (basic rate, VAT, installation charge/ freight charge/ loading & unloading charges/ training etc.. if any should be shown separately)
2. CMC (Comprehensive Maintenance Contract) and AMC (Annual Maintenance contract) rates in the specified format (Annexure-II)

Cost of CMC (including taxes, if any) will be considered for Ranking/Evaluation purpose.

Demonstration of technical specifications and performance:

Before the opening of the Price Bid, immediately after the opening of Technical bid, the tenderer shall arrange for demonstration of offered items at their own cost, either directly or through authorized Dealer /Distributors, as the case may be, for verification by the Tender Inviting Authority, whether the offered items meets the technical specification, accuracy and other quality parameters . The tenderer should be prepared to do so by keeping one sample unit of the same make/model accessories ready at his/her disposal.

Failure to demonstrate the technical specification or performance of the items to the satisfaction of the technical committee or the Tender Inviting Authority will lead to automatic rejection of the tender and the price bid of such tenderers shall not be considered for opening of Price bids.

Opening of Tender

The date of opening of price bid will be decided after demonstration / obtaining clarification(s) from those who qualify in the technical bid and shall be informed to the qualified tenderers from time to time.

Details can be had from the office of the undersigned on all working days and also available in the web site [www. cmccochin.org](http://www.cmccochin.org).

Sd/-
PRINCIPAL(i/c)
(Tender Inviting Authority)

TECHNICAL SPECIFICATIONS

The bidders are requested to submit the compliance statement in the given format duly filled along with requisite technical literature/documents for reference.

1. BOD Incubator – 91L

Sl no	Specification	Compliance (Yes/No)	Remarks
1	Should have a capacity of 90L or more		
2	Should have adjustable perforated racks		
3	Temperature Range: + 5 degree C to 70 degree C		
4	Controller Accuracy: +/- 0.5 degree C of set value for Temp.		
5	Uniformity: +/- 1 degree throughout chamber		
6	Air Heater Element: Special Type S.S.Tubular Air Heaters with fins.		
7	Heat up Time: 30 min. up to 60 degree C without load.		
8	Cool Down time: 40 min. upto + 5 degree C without load		
9	Cooler: Plate Fin Cooler		
10	Compressor: EMMERSON Hermetically Sealed Brand		
11	Controller: Digital Display Electronic Controller.		
12	Sensor: Pt -100		
13	Internal Chamber: Stainless Steel 304 grade.		
14	External: Mild Steel Powder Coated		
15	15. Inner Acrylic Door: Inner Full Size See through Acrylic 8 mm thick		
16	Air Circulation: Motorized Blower from back and forced air circulation for temperature homogeneity.		
17	Safety Device: Adjustable hydraulic over-temperature limiter protector.		
18	PID Control: Microprocessor based PID Controller.		
19	Computer Interface: RS 485 / RS232 interface for multiple & single communication port.		
20	Should have self-supported transparent doors inside and magnetic gasket outer doors.		
21	Should have PUF Insulation.		
22	Should have door operated illumination lamp to work on 220/230 VAC.		
23	Should have Circular chart recorder for recording test conditions.		
24	Should be supplied with Stabilizer of sufficient capacity		

2. Centrifuge – Table top

Sl. No	Specification	Compliance(Yes /No)	Remarks
1	Automatic rotor detection, check the presence of accessories and compatibility with maximum speed		
2	Safety speed limiter function		
3	Controlled by microprocessor		
4	Backlit colour LCD display with contemporary visualization of all parameters		
5	Digital adjustment of acceleration and deceleration levels		
6	Stainless steel internal bowl with optimal height with loading and unloading of samples		
7	Imbalance detection system with automatic functioning stops to avoid accidents.		
8	Automatic local system of the lid.		
9	Safety opening of the lid in case of power failure.		
10	Brushless motor maintenance free and no carbon deposits.		
11	External dimensions W*D*H/Weight 450*590*330mm per 40kg		
12	Swing out rotor with buckets		
13	Maximum capacity 4*175 ml		
14	Maximum speed 4500rpm, max RCF(g) 3600		

3. Culture plate rotator

SL. No	Specification	Compliance (Yes/No)	Remarks
1	For uniform distribution of liquid on agar surfaces inside petri dishes, especially for inoculation for antibiotic sensitivity tests.		
2	Simple handling, anti-fatigue.		
3	Electrically driven.		
4	Handling of the turntable contactless by sensor.		
5	Continuously adjustable speed from 10-120 rpm , and continuously adjustable operating time of 3 seconds to 2 minutes or continuous running.		
6	Continuous or intermittent operation by means of optional foot-switch.		
7	For petri dishes up to 100mm diameter(or 150mm)with optional attachment.		
8	Stainless steel body.		

4. Media Dispensor

SL.NO	Specification	Compliance (Yes/No)	Remarks
1	For automated or semi automated serial dispensing of sterile culture medium without or with agar (molten agar) which may be hot (60-70°C) into plates, tubes.		
2	Mechanism- peristaltic pump/ Electromagnetic pump/ Syringe piston.		
3	Maintenance free -High quality pump heads -Powerful stepping motor with no wearing parts -Heavy duty polycarbonate top shell and durable stainless steel		
4	Dispensing must have automatic traceability-if automatic		
5	If automatic- should have both Manual and automatic modes.		
6	Accuracy and repeatability of dispensing to be compliant with ISO 7218		
7	Easily user calibrated to accurately deliver volumes from 0.5 to 100ml or more to 999ml.		
8	Dispensing assembly is entirely autoclavable with bottle/easy to sterilize.		
9	User memory to store common dispensing operations ie, different petri dish sizes.		
10	A fully digital, wipe-to-clean membrane keypad/ alternative mechanism to set the dispensing volume.		
11	An extra set of pump tubing		
12	Pumping rate at full speed under normal conditions: 3-12ml/sec., with variable speed setting option.		
13	Improved dispensing control with the handy gun and an adjustable arm.		

5. Water Bath – Small

SL. No	Specification	Compliance(Yes/ No)	Remarks
1	Shaking Water bath 375*300*212.5 mm		
2	Temp. range from room temperature to 100 degree C with digital display.		
3	Thermostatic control with an accuracy of +-1degree		
4	Double walled inside of stainless steel and outside mild steel sheet, powder coated.		
5	Shaking speed range: 40 to 140rpm		
6	Shaking tray size : 275*275*150m		
7	Shaking racks made from stainless stell 1. To hold 5*250ml conical flask. 2. To hold 4*500ml conical flask.		

Schedule for Annual Maintenance contract(AMC)/ Comprehensive Maintenance contract (CMC) after expiry of warranty.

Type of contract	Charges for the 4 th year (1)	Charges for the 5 th year (2)	Charges for the 6 th year (3)	Charges for the 7 th year (4)	Charges for the 8 th Year (5)	Total charges for 5 years (1)+(2)+(3) +(4)+(5)
AMC (Labour charges only, without replacement of spares)						
CMC (Labour charges and cost of spares)						

Signature:

Name & Designation: