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GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL CUM CHIEF SUPERINTENDENT
GAUHATI MEDICAL COLLEGE & HOSPITAL, GUWAHATI-32.

Ph. No.0361-2132751/2130190 : E-mail-gmch-asm(a)nic.in

No.MC/09/2019/36

Dated Guwahati, the 19th June 2019.

To.

The Director of Information & Public Relation, Assam,
Dispur, Guwahati- 6.

Sub: Extension of date of Tender Notice issued vide letter No.GMC/MICRO/2019/350,
dt.31st May/2019 for the Project No.BT/IN/INDO-UK/AMR/06/BRS/2018-19

Sir,

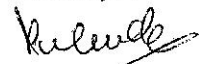
I am enclosing herewith an advertisement for extension of date of tender notice issued vide letter No.GMC/MICRO/2019/350, dt.31st May/2019 for the Project No.BT/IN/INDO-UK/AMR/06/BRS/2018-19 for the DBT funded project entitled "**Does antimicrobial resistance (AMR) in livestock contribute to AMR in people in NE India ? An interdisciplinary study investigating antibiotic use, drivers of AMR, and transmission dynamics**" in the Deptt., of Microbiology, Gauhati Medical College, Guwahati-32

I would like to request you kindly to publish an advertisement in a local English daily newspaper (The Assam Tribune) and submit the bill to the undersigned for payment.

I shall be highly obliged if you would kindly arrange for publication of attached advertisement at an early date.

Encl: As stated above.

Yours faithfully,



Prof. (Dr.) R.K. Talukdar
Principal cum-Chief Superintendent
Gauhati Medical College & Hospital
Guwahati-32.





Government of Assam

**DEPARTMENT OF MICROBIOLOGY: GAUHATI MEDICAL COLLEGE
GUWAHATI-781032, ASSAM, INDIA**

No.: GMC-MICRO/2019/AMR-INDO-UK/416

Dated: 18/06/2019

CORRIGENDUM

The Tender vide order No: GMC MICRO/2019/350 dt 31st May, 2019, is extended. The last date of submission is 01/07/2019, 2 pm while bid opening will be done at 2.15 pm on 1st July, 2019 in the office of the Department of Microbiology, Gauhati Medical College, Hill-Top, Guwahati-32.

(sd/-Dn. C. Phukan)

Associate Professor & PI of the Project
Department of Microbiology
Gauhati Medical College & Hospital
Guwahati-32

The following terms and conditions are to be followed by the tenders':

1. The rates of the articles should be quoted excluding taxes. The name, make, packing and specifications should be mentioned clearly.
2. If the bidder is not 'Original equipment manufacturer (OEM)', then the requisite OEM authorization Certificate must be submitted along with the Technical Bid Document.
3. Tenders must be accompanied with earnest money of 2% only in the form of deposit at call Bank draft from a Nationalized Bank, pledge in favor of Principal, Gauhati Medical College.
4. The Bid documents must be submitted in two separate sealed envelopes titled: Technical Bid & Financial Bid. In Financial Bid only mention the Total Cost Involvement for the item. The Quoted Price should in INR only.
5. The bid value to be included @ Rs. 2000/- (which is not refundable) in the form of bank draft in favor of Principal, Gauhati Medical College.
6. In case of Foreign Good Purchase: Custom clearance and transportation of the equipment up to this institute shall be the responsibility of the bidder. GMCH will only furnish the DSIR certificate for the purpose.
7. All instruments should meet international standard (US FDA/ CE/ ISI/BIS/JIS).
8. The bidder must provide Installation, Demonstration and training to the concerned faculty and staff for operation of the equipment.
9. Payment for the supplied items will be made after satisfactory delivery, installation and demonstration of the same.
10. The tenders will have to submit valid Trade License, Pan No., GST No. etc. and Sale tax/income tax return for last 3 years.
11. The articles shall have to supply on credit system against to order to the various departments of Gauhati Medical College, Gauhati located at Narakasur Hill top.
12. The name of Manufacturing Company/ Brand must be quoted against each item, when rate is quoted.
13. The tenderer must have at list 5(five) years experience in supplying such articles to various departments of Govt. of Assam and having sufficient stock.
14. The authority is not bound to accept the lowest rate.
15. The tenderer must mention the address of his shop/ godown .
16. Calibration certificate should be furnished.
17. The item should be warranted for 3 Years from the date of installation.
18. The Company should attached a genuine comparative statement, otherwise the bid will be cancelled.

Signature

*Principal, Gauhati Medical College
Gauhati, Assam*

19. Participating party should have localized authorized service center and must provide service to the customer within 3 days of complaint if any fault in the instrument occurs.
20. GMCH reserve the right to accept, consider or reject any or all of the applications without assigning any reason thereof. The decision of GMCH in respect of scrutiny, evaluation and selection of parties will be intimated by the office and shall be final. All disputes in this connection shall be settled in Kamrup Metropolitan district Jurisdiction only.
21. For indigenous Supplier the entire job comprising delivery & installation has to be done at Guwahati Medical College & Hospital within 30 days from the date of the order. In case of any damage or late delivery, Gauhati Medical College & Hospital reserves the right not to accept the consignment

22. SAFE DELIVERY OF GOODS:

All aspects of safe delivery shall be the exclusive responsibility of the supplier. The supplier shall ensure that packing shall be sufficient to withstand rough handling during transit and exposure to different weather conditions. Also adequate markings & instructions shall be provided outside the boxes for proper handling during transit. At the destination site the packing will be opened in Presence of Gauhati Medical College & Hospital user/representative. The proper commissioning will be the basis for receipt in good condition. In case of any damage, Gauhati Medical College & Hospital reserves the right not to accept the consignment.


Dr. Chinanjita Phukan
Associate Professor
Deptt. of Microbiology, GMCH.

TECHNICAL SPECIFICATIONS OF THE GOODS

Tender No.: GMC/MICRO/2019

Dated: /5/2019

Sl. No.	Item Quoted should have the following specifications or better:
01	<p>Thermo-cycler:</p> <ol style="list-style-type: none">1. The quoted Thermo cycler should be Peltier based heating and cooling PCR system with Touch screen control and remote control via App (iOS and Android)2. The offered system should be authorized / licensed for PCR applications and the vendor should produce the certificate for the same.3. Block to be supplied: Aluminium block, covered with special anodized alloy block Optimized for standard sample consumption in single tubes, 8 well strips and microtiter plates with 96 wells (0.2/0.1 ml), sample volume from 10 μl to 50 μl4. Should have gradient span of 20°C and linear gradient tool for programming of equal temperature increments between the 12 columns of the block.5. Should have a temperature range of 3-99 °C with control accuracy of ± 0.1 °C.6. Should have a ramp rate of 4.0°C/sec (Heating) & 3.3°C/sec (Cooling).7. Should have temperature uniformity down to ± 0.20 °C8. Time increments: 1 to 240 sec per cycle. Temperature increments: ± 0.1 to 20 °C per cycle9. Should have high performance smart heated lid for improving temperature uniformity in the range of 30 °C to 110 °C10. Should have auto-restart feature in the event of power failure.11. Should have on board controller color Touch screen view for easy programming12. Software should have options like Quick start of the last five programs, gradient temperature graph, toggle between User specific quick start of the last five programs, program preview prior to start, toggle between spreadsheet and graphical programming mode, Linear Gradient Tool, generate service info files (SINF), extended self-test, adjustable ramp rates, view gradient temperature graph, PC control via Ethernet, comprehensive user administration tool with individual rights settings13. Should be imported & fully licensed PCR14. Warranty on system should be minimum 3 years from the date of Installation and commissioning.15. Calibration certificate has to be given wherever applicable.

Quanta
Associate Professor
Dept of Microbiology, GCU

Biosafety cabinet:

1. Class II A2 Biosafety Cabinets in the proportion as 70% air is re-circulated within the cabinet through high efficiency particulate air (HEPA) filtration. Velocity of airflow to the work zone creates an ultra-clean environment for product protection, where the remaining exhaust air is discharged out.
2. Cleanliness: Class II A2 SS 100 as per ISO 14644-1 Direction of Flow Vertical Model
3. Working Surface: W 1200 x D 600 x H 600 mm (4' x 2' x 2')
4. Air Balance: Recirculation and 30% exhaust
5. Particle Retention: 0.3 Micron & above
6. Inflow Velocity: 0.6 FPM \pm 20
7. Down Flow Velocity: 80 FPM \pm 20
8. Noise level: 65 decibel on "A" scale \pm 5
9. Pressure Differential Digital Display Monitoring
10. Should have 1 Ultraviolet lamp of good quality
11. The Material of Construction of the cabinet should be made from Galvanized Iron 18 SWG sheet metal, with polyurethane paint coated finish. Further the working Table should be Removable type tabletop, made of perforated IS 304 Grade SS with satin finished, underneath provided with drain-pan to collect & dispose of liquid wastes. The front edge of the working table should be curve finished and perforated for comfortable arm resting.
12. Front Sash should be made of clear 5 mm Polycarbonate sheet / Toughend Glass, while opening the door UV Lamp will be cut "OFF" and while closing the door UV Lamp will be "ON" automatically.
13. Side Panels should be made from double layered outer GI & inner stainless steel or Both in Stainless Steel respectively with return-air plenum in between.
14. The HEPA Filter: Media Ultra clean glass fiber paper – imported Supply Air & Exhaust Type Mini-Pleated constructions Retention 0.3 Micron Efficiency 99.997% Pressure drop 12 mm WG Grade: H13 rating
15. PRE-Filter: Media Non-woven - synthetic polyester Retention 10 - 15-micron Efficiency 90% Pressure drop 6 mm WG
16. Supply Air Blower: Outer rotor type motor blower, which consists of dynamically & statically balanced aluminum centrifugal impeller driven by Single phase motor, enclosed in a PU coated GI casing & directly connected to the filter chamber inside the cabinet. Manual Speed controller will be provided.
17. Exhaust Duct: The exhaust air will be sending out through an exhaust duct made of 150 mm dia rigid PVC pipe up to 10 feet length. Suitable canopy will be provided at the end of the duct.
18. UV on/off should be integrated with door close/open operation to avoid accidental exposure to UV.
19. Should include standard accessories such as additional power point 5 /15 Amps – 1 No., Fixed Arm rest Air Gas inlet nozzle, Floor leveling screws & wire chord etc.
20. Documentation: DQ, IQ, OQ, PA Document & Warranty certificate should be provided
21. Test certificate for HEPA Filter should be provided.
22. Warranty on system should be minimum 3 years from the date of Installation and commissioning.
23. Calibration certificate has to be given wherever applicable.

Phukan
 Dr. Chinanjita Phukan
 Associate Professor
 Deptt. of Microbiology, GMCH.

3	<p>Ultrapure Water Purification System:</p> <ol style="list-style-type: none"> 1. Should be UV Direct system with permeate performance of 6 l/h, pre-treatment with integrated reverse osmosis, ultra-pure water set, sterilizing filter, ultra filter, tank 6 litres with pressure relief valve, pump. 2. Operating pressure in bar min max 1 to 6 bar 3. Type 1 - Conductivity 0.055µS/cm 4. Type 1 - Resistance at 25°C 18.2MWxcm 5. Bacterial content (CFU/ml) <1 6. Particles < 2µM/ml 7. pH value range 6.8-7.2 8. Type 2 - Conductivity 0.067 to 0.1µS/cm 9. Type 2 - Resistance at 25°C 15 to 10MWxcm 10. Type 2 - Bacterial Retention 99% 11. Electrical Requirements 100-240V, 50/60 Hz 12. Power Consumption 0.06kW 13. Flow rate, max. 0.5-2 L/min 14. Type 1 - TOC 1 to 5ppb 15. Type 1 - Endotoxins (EU/ml) 0.005 16. Dispensing is easy and features variable speed to control flow. 17. Combination of pre-treatment and reverse osmosis membrane. 18. Polishing cartridge contains high-quality ultrapure resin for consistent purity and long cartridge life. 19. The display can be tilted for optimal reading 20. Optional UV bulb and UF ultra filter to customize ultrapure Water Placement options 21. Position on laboratory bench 22. Mount it on the wall Smart integrated 6L reservoir for the Smart2Pure 23. Constructed with pigment-free materials 24. Conical bottom outlet allows for complete draining and efficient cleaning and disinfection 25. Warranty on system should be minimum 3 years from the date of Installation and commissioning. 26. Calibration certificate has to be given wherever applicable.
4	<p>Digital balance</p> <ol style="list-style-type: none"> 1. Capacity: 220gm 2. Repeatability: 0.1mg 3. Linearity: ±0.2 mg 4. Automation Grade: Automatic 5. Touch-Key calibration: Automated calibration should be started by pressing keys. 6. Should have Windows Direct communication function so that data can be sent to Excel or other Windows applications without any data communication software installation required. 7. The pan size should be 91 mm in diameter. 8. Should have Password lock for menu operation. 9. Warranty on system should be minimum 3 years from the date of Installation and commissioning. 10. Calibration certificate has to be given wherever applicable.
5	<p>Autoclave</p> <ol style="list-style-type: none"> 1. Should be Double wall Construction fully made of Stainless Steel with Two Safety Valves, Pressure gauge, Steam release Valve, Drain Valve at bottom, and Joint less Silicon gasket. 2. Should be ISI approved heating elements and foot lifting arrangement for cover. 3. Minimum chamber Size: 14" x 22" with capacity of at least 50 L. 4. Digital Temperature indicator cum controller with timer. 5. Warranty on system should be minimum 3 years from the date of Installation and commissioning. 6. Calibration certificate has to be given wherever applicable.

Dr. Anurag
 Associate Professor
 Department of Microbiology

- 6 **Water bath**
1. Temperature should be 5°C- 90°C with Accuracy of $\pm 1^\circ\text{C}$
 2. Should be S.E. Marie CE Certified.
 3. Heating element without Pyramid Lid.
 4. Digital Temperature Controller P.I.D. Type
 5. Digital display Thermostatic
 6. Stainless Steel Bath 14L.
 7. Net Dimension: 320 x 300 x 150
 8. Bath opening: 200 x 300
 9. Gross Dimension: 610 x 500 x 410 mm.
 10. Independent over-temperature self-resetting safety cut-off with alarm.
 11. Full Stainless-Steel construction.
 12. Uniformity: $\pm 0.1^\circ\text{C}$ at 37°C .
 13. Warranty on system should be minimum 3 years from the date of Installation and commissioning.
 14. Calibration certificate has to be given wherever applicable.


7 **Pipette Set : (autoclavable)**
Required number of Pipettes

Sl No	Pipette Specification	Quantity
1	0.1-2.5 μl	01
2	0.5-10 μl	01
3	2-20 μl	01
4	10-100 μl	01
5	20-200 μl	01
6	100-1000	01

1. Should be fully autoclavable, light weight and with a clear Digital Display
2. Secondary adjustment for the most accurate pipetting of different liquid or other external condition without the need for a full calibration.
3. Individual Calibration report necessary.
4. Warranty on system should be minimum 3 years from the date of Installation and commissioning.

8 **Refrigerated micro-centrifuge**

1. Should have a maximum capacity of 24 x 2 ml, with a maximum speed of 15000 rpm.
2. Max RCF: 16602 x g
3. Temperature adjustment range -10 to +40°C with temperature increment 1°C n Assured +4°C at maximum speed.
4. Should have a clearly organized display with large buttons.
5. Zero-maintenance motor
6. Should have motorized cover lock with automatic lid unlocking
7. Timer: 10 s - 99 min, 1 s increment, intermittent or continuous
8. Should have two acceleration and braking curves, soft or fast.
9. Over speed monitoring
10. Power consumption: 230 W
11. Warranty on system should be minimum 3 years from the date of Installation and commissioning.
12. Calibration certificate has to be given wherever applicable.


Dr. Chimanjita Phukan
Associate Professor
Dept. of Microbiology, GMCH.