TENDER NOTICE

Sealed tenders are invited for the purchase of various equipments and erection of green house facility required in the Department of Microbiology, Institute of Biosciences & Biotechnology, CSJM University, Kanpur. The prescribed tender documents may be downloaded from the University website (www.kanpuruniversity.org). Filled in the tender documents accompanied with a D.D. of Rs. 250/- in favour of Finance Officer, CSJM University, Kanpur payable at Kanpur must reach the Registrar, CSJM University, Kanpur, latest at 2:00 pm on 15.10.2010. Tenders will be opened at 3:00 pm on the same date.

(Mahesh Chandra)
Registrar

C.S.J.M. University, Kanpur
Department of Microbiology
TENDER DOCUMENT
EQUIPMENTS

Cost of tender- Rs. 250/- Tender no.: CSJMU/R.Camp/9990/2010
Last Date of Submission: 15.10.2010
Opening of Tender: 15.10.2010

TERMS AND CONDITIONS

Eligibility Criteria

1. The offers from the manufacturers/authorized dealers/distributers shall only be accepted. The tendering firms must be registered under Trade Tax Act. If applying on behalf of a company as a dealer/distributor the relevant autherisation documents should be attached.
2. All the documents enclosed with the tender must be duly signed by the Authorized representative(s) of the firm with his/her name, designation and official seal and same should be submitted along with tender.
3. The following documents must be submitted with the offer(s).
   a. Trade Tax Registration Certificate.
   b. Authority letter of the manufacturer of dealerships.
   c. Printed pamphlets of the equipments/machines/apparatus.
   d. Other relevant documents/technical literature required by the University.
4. Offers should be valid for a minimum period of 120 days. The tenderer is required to mention the required time of delivery after issue of work order.
5. Tender with the earnest money (2 % of the total amount quoted) shall only be considered. The earnest money will be accepted in the form of DD issued in favor of Finance Officer, C.S.J.M. University, Kanpur, payable at Kanpur.
6. The tender should be submitted in the format as per prescribed Performa and technical details provided.
7. The University reserves the right to accept or reject any or all the offers and to split up the requirements or relax any or all above conditions without assigning any reason.
8. The quantity of goods may be increased/ decreased according to requirement.
9. The firms should provide at least one year warranty/guaranty and after that one year free maintenance.
10. If applicable the insurance cost will be borne by the company/supplier.
11. Clearance of customs or other duties/shipment will be the liability of the supplies.
12. **Technical and financial bid should be submitted separately.**
13. The rates offered should be F.O.R. Department of Microbiology, CSJM University, Kanpur.

Terms of Payment

1. The payment will be made after proper installation and satisfactory work report from Head of Microbiology Department. All the goods delivered shall be accepted only after found in good and satisfactory conditions.

Late Delivery

1. In case of late delivery, penalty shall be levied as per following details after expiry of delivery period from the date of receipt of order by the supplier.
   (a) 0.5 % of total cost of the instrument per day for a period of two weeks.
   (b) 1 % per day for subsequent days for another two weeks.
   (c) The order will be cancelled thereafter.

Installation

1. Installation period is one week from the delivery of equipment and penalty shall be levied as per following conditions if equipment has not been installed within one week of delivery.
   (a) 0.5 % of the total cost of the instrument per day for a period of two weeks.
   (b) 1 % per day for subsequent days for another two weeks
   (c) The entire equipment may be rejected and work order will stand cancelled automatically and the firm will be black listed for future.

Registrar

SPECIFICATIONS OF EQUIPMENTS
DEPARTMENT OF MICROBIOLOGY,
INSTITUTE OF BIOSCIENCES AND BIOTECHNOLOGY
CSJM, UNIVERSITY, KANPUR

1. Name of manufacture :
2. Address :
3. Email ID :
4. Contact :
5. TIN :
6. Tan :
7. Trade Tax No. :

S. No.	Equipments	Quantity	Rates (Rs.)	Tax (%)	Total Cost	Remark
1.	***Fermentor*** > Total volume: 3 lit or more, autoclavable > Working volume : 2.2 lit > A totally integrated control station with a colour touch screen interface, > 3 built-in pumps, optional mass flow controllers, pH/DO, foam/level controllers. > Dish bottom vessel with stainless steel headplate, vessel stand, agitation motor, direct drive assembly, heater blanket, immersion cooling coil, cooling water valve, thermo well, RTD probe, rota meters (2 no's), baffle assembly, two rushton impellers, exhaust condenser, sterile sampler, tri-port adapter, septum kit, liquid addition tube & head plate adapter, two addition bottles & tubing. > The system can grow virtually any cell type; aerobic and anaerobic microbes, yeast, insect, plant and mammalian cells. > Built-in cascade features to automatically maintain DO set points,	01				

	control DO with agitation, gas and /or additions. > Connections for pH/DO, sparge, motor, heater, temperature probe and foam / level on the side panel for easy access. > Three fixed speed (12 rpm) peristaltic pumps linked directly to acid, base, foam level. > Maintain temperature range from 20°C above coolant temperature to 70°C maximum temperature. Temperature is controlled via external heating blanket and immersed stainless steel cooling coil. > Built-in USB Port for future software upgrades. > agitation range 50 – 1200 rpm (Fermentation Mode) and 25 – 400 rpm (Cell Culture Model) > SCADA Software > Archive recording of batch data, view graphs of current vs. historical data. > Computer with printer compatible for software					
2.	***Lyophilizer*** > Ice condensing capacity: minimum 3.5 Kg > Condenser temp: -54 to -60° C or less > Condenser's solvent condensing 2 kg/24 h for aquas solvent. > Digital display for simultaneous monitoring of ice condenser temp., digital vacuum & indirect product temp. monitoring corresponding to vapour pressure curve above ice > High quality vacuum sensor > Drying chamber for distributors for ampoules, round bottom flask, wide-neck filter bottles, three unheated selves (200 mm) > Injection vial-stoppering device with two selves (dia. 200 mm) > Vacuum pump: 40L/min suction capacity, exhaust mist filter, vacuum grease, vacuum pump oil with pump. > CE/EU certified. > RS-232 communications interface (PC)	01				
3.	***Ultra Low Temperature (-86° C) Freezer*** > Up right type	01				

	> Temp. range: -50° C to -86° C > Capacity: minimum 333 lit > Insulation: Non CFC, foamed in place polyurethane > Controller: Digital PID Controller > Compressor capacity: 1HP x 2 > Noise level: ~ 50 dBa > Safety device: Over current & leakage breaker >Door: Triple magnet packing > Communication: Rs 232 Port (Optional) > Voltage stabilizer					
4.	***Refrigerated Centrifuge*** > Safety interlock lid > Automatic rotar identification > Brushless induction motor > Interactive LCD display > Atleast ten programme memory > Imbalance detector with cut off > High voltage safety cut off > Max speed; 20,000 rpm > Max RCF: 37570 g > Max. tube size: 200 ml > Max. capacity: 1200 ml > Lowest temp.: -8° C > Suitable capacity voltage stabilizer > Rotors: for 200 ml and 1.5 ml tubes	01				
5.	***Incubator Shaker*** > Double Walled: gap filled with pure mineral wool > See through lid: complete visibility minimizing the need to open the chamber > Variable speed: 0–200 rpm or more > RMP Meter	01				

	> Electronic digital timer having settable range upto 999 mins. > Temp range 5 to 60° C ± 0.5° C > Temp. control: microprocessor electronic digital temp. Indicator cum controller > Voltage stabilizer >Holders: 8 x 250 ml					
6.	***Digital Balance*** > Capacity: 0.1 mg to 220 g > Pan size: 91/dia > Motor driven built-in calibration weight > Calibration modes: PSC, Clock-CAL, Touch key with built-in or external weight > Windows Direct function: : communicate directly to PC	01				
7.	***Window Air Conditioner*** > 2 ton > Digital display with remote control > Compatible voltage stabilizer > With installation	02				
8.	***Refrigerator*** > 300 lit or more > Double door > Voltage stabilizer	01				

C.S.J.M. University, Kanpur

Department of Microbiology
TENDER DOCUMENT
GREEN HOUSE

Cost of tender- Rs. 250/- Tender no.: CSJMU/R.Camp/9990/2010
Last Date of Submission: 15.10.2010
Opening of Tender:15.10.2010

TERMS AND CONDITIONS

Eligibility Criteria

1. The offers from the manufacturers/authorized dealers shall only be accepted. The tendering firms must be registered under Trade Tax Act. If applying on behalf of a company as a dealer/distributer, the relevant authorization documents should be attached.
2. All the documents enclosed with the tender must be duly signed by the Authorized representative(s) of the firm with his/her name, designation and official seal.
3. A list of all the duly signed documents must be enclosed with the tender in a sealed cover addressed to the Registrar, CSJM University, Kalyanpur, Kanpur-208024.
4. The self attested photocopy of the following documents must also be submitted with the offer(s).
    a. Trade Tax Registration Certificate.
    b. Authority letter of the manufacturer, if applicable.
    c. Other relevant documents/technical literature as required by the University.
5. Offers should be valid for a minimum period of three months from the date of closing of tender.
6. Tender with the earnest money (2 % of the total amount quoted) shall only be considered.
7. The earnest money will be accepted in the form of DD issued in favor of Finance Officer, C.S.J.M. University, Kanpur, payable at Kanpur.
8. The tender should be submitted in the format as per prescribed Performa and technical details provided with the tender document.
9. The quantity of goods may be increased/ decreased according to requirement.
10. The company/firm/vendor should have adequate experience (not less than three years) in same/similar trade. Necessary documents/credentials of the tenderer should be submitted in support of the same including execution of the job in reputed organization/institution.
11. The company/firm/vendor should be ISO 9001-2000 certified in the specified field.
12. The company/firm/vendor will be required to submit a bank guarantee to the tune of 50% of the total cost of the project before commissioning of Green House.
13. The work is to be executed on the Turn-key basis, which includes planning, design and commissioning of all the components.
14. All tools/plants/machineries/equipment etc. required for execution of the work under Green House shall be arranged by the company/firm/vendor.
15. Satisfactorily completed job with required temperature parameters is an essential prerequisite of the commissioning of Green House.
16. Joint venturers are not acceptable.
17. The company/firm/vendor shall provide one year comprehensive warranty/guarantee before handing over the project which shall include quarterly preventive maintenance and on-call maintenance/repairs/replacements. The on-call maintenance until one year of commissioning of the project shall require removal of problem in 24 hrs. after report.
18. The company/firm/vendor should guarantee minimum 10 years availability of spare parts and maintenance. On completion of the initial warranty/guarantee period of one year, company/firm/vendor must provide Annual Maintenance Contract if the University intends to go for such contract.
19. The price and rates as quoted shall be inclusive of all taxes, lead, lift, royalty etc. and all other charges leviable by the government for commissioning of the project.

20. The University reserves the right to accept or reject any or all the offers and to split up the requirements or relax any or all above conditions without assigning any reason.
21. **Technical and financial bid should be submitted separately.**
22. The duration of completion and commissioning of the project shall be 90 days from the date of work order including satisfactory report of the installation by Head of Microbiology Department of the University.
23. The taking over of the project from the vender by the Head of Microbiology Department will be done within 30 days after a report of the completion and satisfactory demonstration of the set up is submitted by the company/firm/vender.
24. 5 % of the cost will be retained by the University as security vis-à-vis final payment may be released if the company/firm/vender submits/presents an FDR for the period of one year tune of 5% of the cost duly discharged in favour of University, as security which will be forfeited if the pre commissioning and post commissioning conditions are not fulfilled by the tenderer.
25. The modality of the payment will as follows:
    a. 20% at the time of work order.
    b. 30% at the completion of 50% of the work duly authenticated by the Head of Microbiology Department
    c. 45% with in one month after the completion and handing over of the project along with satisfactory report given by the Head of Microbiology Department of the University.
    d. 5 % as detailed in item no. 24 above.
26. The rates offered should be F.O.R., Department of Microbiology, CSJM University, Kanpur.
27. The site for erection of Green House may be inspected on any working day.
28. In case of any dispute, decision of the Vice-Chancellor will be binding on the vendor.

Registrar

SPECIFICATIONS OF GREEN HOUSE
DEPARTMENT OF MICROBIOLOGY,
INSTITUTE OF BIOSCIENCES AND BIOTECHNOLOGY
CSJM, UNIVERSITY, KANPUR

1. Name of manufacture :
2. Address :
3. Email ID :
4. Contact :
5. TIN :
6. Tan :
7. Trade Tax No. :

S. No.	Specifications	Quantity	Rates (Rs.)	Tax (%)	Total Cost	Remark
1.	**PART – A (Made of Polycarbonate Sheet)** > Containment area: 3425 sq.ft. > Height: side 8' and center 12' > Buffer zone: 50 sq.ft. > Chambers: three independent chambers each 1125 sq.ft. area > Temp. range inside the containment area: 20° C to 35° C ± 2° C throughout the year > ECS cooling in all three compartments > Additional chamber: 20' x 10' x 8' for specific temperature requirement > Structure: Framing of anti-corrosive humidity resistant 47 x 47 GI sq pipes > wind load strength: 160 km/HR >Anodised aluminium doors with brass lock size 6 x 3 ft >Roof screen -70:30 color green/black rollable and provision for	01				

	fixing the net provision for short day. > Cooling system with SCHP technology: Evaporative cellulose pads resistant to rot, moss formation. > Heating system: 06 Nos heaters with heavy duty paralytic technique > Humidification system: resistant to chemicals >Microprocessor photosynthesis monitor panel (temp. ± 1° C, humidity ± 4%, photoperiod control ± 1 sec/day, individual indicators for each operation. >Modulated roof vents for easier temperature maintenance with damper arrangements >RH up to 90% >Electric wiring ISI and FR grade >Flooring with anti slippery hard material in containment area in one compartment and 2'moving concrete path all around the rest of the green house > All the control panels should be placed in the pre entry room > Top and all sides should be covered with 6 mm both side UV stabilized double layer multi wall polycarbonate sheet, avoid thermal leakage > Provision for rain water outlet > Wash basin in each chamber >Automatic air curtain at the entrance of each chamber > One laboratory (12' x 10') made up of insulated material within the compartment with hard flooring. > The laboratory should have one door (4') and tissue culture racks with light facility (26,000 lux or more). >Air purifier: to destroy microbes in size less than 0.001 micron, use no filter, continuous running, free of bacteria, moulds, dust mite, spour etc. > Computer and printer					

	<u>PART – B (Made of nylon mesh)</u> > Overall size – 150 sq.m. > Rigid frame, with stand heavy storm and gale > Structure: 38 x 38 mm GI sq pipe >Door size: 6 x 3 ft with basic locking system > Pre-entry room >Glazing 40 x 40 UV stabilized nylon mesh (with 5 years or more degradable resistance warrantee) > Availability of water tap >Floor: natural with a central moving path					