

**DEPARTMENT OF Botany
UNIVERSITY OF LUCKNOW
LUCKNOW-226007**

TENDER NO. LU-Botany/COE/2019

Dated: 04 December, 2019

**Tender/Bid invited for scientific equipments
required Under Centre of Excellence project “New emerging.....crops”,
Department of Botany,
University of Lucknow,
Lucknow-226007**



Non transferable

**DEPARTMENT OF Botany
UNIVERSITY OF LUCKNOW
LUCKNOW -226007**

TENDER NO. LU-Botany/COE/2019

Dated: Dated: 04 December, 2019

Notice inviting short term tenders for scientific equipments required for Centre of Excellence project "New emerging.....crops" in Department of Botany, University of Lucknow,Lucknow-226007

Sealed tenders are invited from registered, experienced & reputed firms under **Two Bid System, i.e. Technical Bid & Financial Bid** for the scientific equipments required for **Centre of Excellence project "New emerging.....crops" in Department of Botany, University of Lucknow,Lucknow-226007**

1. Detailed description of the items required along with specifications
(Please see Annexure I)

2. Time Schedule:

Date of downloading of Bid document: **04 December, 2019 onwards till last day**

Last Date & Time for receipt of tenders: **24.12.2019 at 2.00 P.M.**

Date & Time for opening of Technical Bid: **24.12.2019 at 3:00 P.M.**

Date & Time for opening of Financial Bid: **24.12.2019 at 4:00 P.M.**

Place of deposit of tender: **Prof. Poornima Vajpayee, Principal coordinator, Centre of excellence: "New emerging.....in cereal crops". Department of Botany,University of Lucknow, Lucknow-226007.**

3. Cost of Tender Form: Rs. 1180/- (including GST) in form of bank draft from any National bank in favour of **Finance Officer, University of Lucknow** payable at Lucknow must be enclosed with tender form. Cost of tender form is Non-refundable.

4. Validity of Tender: 90 days from the date of opening of tender.

5. The interested firms may put the document completed in all respects along with **Earnest Money Deposit (EMD)** in the name of Finance Officer, University of Lucknow, Lucknow-226007 in form of bank draft only from any Nationalized bank. The EMD rates are as follows:

1. UV-visible double beam/ single beam with reference: Rs. 10,000.00 Spectrophotometer with computer and Laser Printer

2. High speed refrigerated centrifuge : Rs. 10,000.00

6. The University of Lucknow, reserves all right to amend or withdraw any of the terms and conditions contained in tender document or to reject any or all tenders without giving any notice or assigning any reason. The decision of University of Lucknow in this regard shall be final and binding on all.

Prof. Poornima Vajpayee

Principal coordinator, Centre of excellence: "New emerging..... in cereal crops". Department of Botany, University of Lucknow, Lucknow-226007.

For Registrar, University of Lucknow, Lucknow-226007.

Tender Form

The bidders should furnish the under mentioned information and also enclose the copy of the respective document as mentioned below failing which their bids will not be considered.

1. Name of the Firm along with Full Address:
2. Name of the Proprietor:
3. Telephone / Mobile Number:
4. Bank Account Number:
5. Income Tax Permanent Account Number:
(Please enclose photocopy)
6. Registration with GST No:
7. Income Tax Return for the past years (Please enclose photocopy):
8. Firm deed & Registration of the firm: (Please enclose photocopy):
9. (a) Demand Draft towards the cost of the Tender Form:

Draft No.

Name of the issuing Bank:

Date:

Amount: Rs. 1180/- (including GST)

- (b) Demand Draft for the Earnest Money Deposit:

Draft No.

Name of the issuing Bank:

Date:

Amount: Rs.

Demand Draft should be drawn in favour of Finance Officer, University of Lucknow, Lucknow, payable at any National bank at Lucknow. Tenders/Bids not accompanied by the requisite Demand Drafts shall not be considered and shall be rejected.

**Instructions to Bidders
&
Pre Qualification Requirement of Bidders**

1. Tenders are invited from registered and reputed firms having experience in the field.

2. Capacity

The firm should be capable of mobilizing adequate arrangement for the supply of the scientific equipment/item required in the Department of Botany, University of Lucknow, Lucknow-226007.

3. Penalty

Penalty @ 10% of the value of the order shall be imposed for every day of delay in the supply of the full order.

4. Arbitration

In case of any dispute, the decision of University of Lucknow shall be binding. University of Lucknow has the right to cancel all or any of the tenders without assigning any reason.

5. Legal Jurisdiction

For legal dispute, if any, the jurisdiction will be limited to the District of Lucknow.

6. Rates quoted by the firms (L 1) are negotiable.

7. Technical and financial bids, duly signed and stamped, to **be kept separately** in sealed envelopes. The envelope containing bids should be marked on top as "**Technical/Financial bids for (Name of the scientific equipment)**"

8. Tender should be addressed in the name of **Prof. Poornima Vajpayee Principal coordinator, Centre of excellence: New emerging..... in cereal crops, Department of Botany, University of Lucknow, Lucknow-226007.**

9. With tender form specification of equipment or item supplied must be written, sealed and signed by the authorized signatory.

10. Non compliance of order, in time, will be treated as non compliance of the terms and conditions.

11. No advance amount will be given.

12. Quantity to be supplied and work to be completed may change at the time of order.

13. The University reserve the right to cancel the tender Without assigning any reason any tender or all tenders can be cancelled by the University authorities at any stage.

14 Affidavit will be given by the tendered that they will follow the all the mentioned terms and conditions.

15. Payment will be made to the firms after deducting the Sales tax, Stamp Duty and Income Tax, if applicable through the Finance & Accounts Office of the University of Lucknow.

Prof. Poornima Vajpayee, Principal coordinator, Centre of excellence: New emerging..... in cereal crops, Department of Botany, University of Lucknow, Lucknow-226007

For Registrar, University of Lucknow, Lucknow-226007

ANNEXURE-I

DETAILED SPECIFICATIONS

- 1. Name of Equipment: UV-visible double beam/ single beam with reference beam Spectrophotometer with computer and Laser Printer**
Quantity: 01

Description Compact UV-visible double beam/ single beam with reference beam Spectrophotometer with computer and Laser Printer for temperature controlled kinetic measurements and other standard methods for bio-molecule analysis	
Light Source	Xenon Flash lamp
Detector	CMOS photodiode array
Wavelength range	200nm to 830 nm or better
Spectral Band Width	Fixed or variable (0.5, 1, 2, 4 or 5nm)
Monochromator	Holographic aberration corrected concave grating
Thermoregulation of cuvette Shaft	peltier controlled cuvette shaft with temperature control 20°C-40° C or better with 0.1° C increment
Cuvette Shaft design	Cuvette Shaft design should accommodate both conventional cuvette, microcuvette and disposable cuvette
cuvette path length	selectable (0.1mm -10 mm)
Cuvette	Disposable: 200 No. quartz cuvette : one pair of 1 ml
methods and dependent evaluation	nucleic acid, protein, optical density, dye labeling, kinetic method end point, linear regression, nonlinear regression, absorbance with one or more wavelengths, Concentration via factor and standard
<ul style="list-style-type: none"> • Compatible i3 or better PC with 4GB, 500 GB HDD, Flat screen monitor, optical mouse, pre loaded Windows and laser jet printer • Communication should be through USB • 1 KVA online UPS with at least 30 min backup • The equipment should be covered under warranty for a period of five years from the date of installation. • Free onsite installation and training for support 	

2.0 Name of Equipment: High speed refrigerated centrifuge Quantity: 01

Table top model without any need for bolting
Microprocessor control display : digital display (LED/LCD) showing operational menu, time, rpm and temperature
Automatically electric lid lock, over temperature protection and imbalance protection. The centrifuge body should be made of high quality steel, safe and reliable.
Max speed:17500 rpm, 30000xg
Timer: 30 s to 99:59 h, with continuous run function
Temperature range : -11°C to +40°C
Refrigeration system should be heavy duty with sealed compressor
Should have controlled panel with start stop switch and dynamic break switch
Should store 50 or more programmes
Cooling should be rapid to attain target temperature with fast cool and fast temperature function.
Braking system should be dynamic electric break
Drive system should be of high torque direct drive DC motor
noise level should be less than 60db
Door should release automatically after completion of run, there should be safety lid lock and lid drop protection, alarm system for improper operating condition/rotor imbalance should be present. Body of the centrifuge and rotors should be of anti corrosive matter. There should be provision for preventing accumulation of condensed water inside the centrifuge. Should use brushless motor, standby refrigeration should be there. Should be able to work with power supply of 220-240V and 50HZs and Indian plug. operational and a maintenance manual and instructions should be provided in English. Certificate of calibration and inspection should be provided.
<ul style="list-style-type: none"> • Should be supplied with Fixed angle rotor accommodating at least 24x1.5/2 ml tubes or more at 17500 rpm and 30000x g or more • The Cost of the Fixed angle rotor accommodating 6-8 15/50ml tubes at 7800 rpm,7800xg should be quoted separately as accessory • Free onsite installation and training for support • The equipment should be covered under warranty for a period of five years from the date of installation. • Firm quoting should be an authorized vendor of the parent firm or manufacturer for Sales and service. • Copy of the authorization of the vendor from the manufacturer for sales and service. • Copy of CE / US-FDA certification and original brochure of the quoted equipment. • 5 KVA servo stabilizer 140-280 variation.

FINANCIAL BID
DETAILED SPECIFICATIONS

01. Name of Equipment: UV-visible double beam/ single beam with reference beam Spectrophotometer with computer and Laser Printer
Quantity: 01

Description Compact UV-visible double beam/ single beam with reference beam Spectrophotometer with computer and Laser Printer for temperature controlled kinetic measurements and other standard methods for bio-molecule analysis		RATE QUOTED BY BIDDER IN INR
Light Source	Xenon Flash lamp	
Detector	CMOS photodiode array	
Wavelength range	200nm to 830 nm or better	
Spectral Band Width	Fixed or variable (0.5, 1, 2, 4 or 5nm)	
Monochromator	Holographic aberration corrected concave grating	
Thermoregulation of cuvette Shaft	peltier controlled cuvette shaft with temperature control 20°C-40°C or better with 0.1°C increment	
Cuvette Shaft design	Cuvette Shaft design should accommodate both conventional cuvette, microcuvette and disposable cuvette	
cuvette path length	selectable (0.1mm -10 mm)	
Cuvette	Disposable: 200 No. quartz cuvette : one pair of 1 ml	
methods and dependent evaluation	nucleic acid, protein, optical density,dye labeling, kinetic method end point, linear regression,nonlinear regression, absorbance with one or more wavelengths,Concentration via factor and standard	
<ul style="list-style-type: none"> • Compatible i3 or better PC with 4GB, 500 GB HDD, Flat screen monitor, optical mouse, pre loaded Windows and laser jet printer • Communication should be through USB • 1 KVA online UPS with at least 30 min backup • The equipment should be covered under warranty for a period of five years from the date of installation. • Free onsite installation and training for support 		
Total		

FINANCIAL BID
DETAILED SPECIFICATIONS

02- Name of Equipment: High speed refrigerated centrifuge

	RATE QUOTED BY BIDDER IN INR
Table top model without any need for bolting	
Microprocessor control display : digital display (LED/LCD) showing operational menu, time, rpm and temperature	
Automatically electric lid lock, over temperature protection and imbalance protection. The centrifuge body should be made of high quality steel, safe and reliable.	
Max speed:17500 rpm, 30000xg	
Timer: 30 s to 99:59 h, with continuous run function	
Temperature range : -11°C to +40°C	
Refrigeration system should be heavy duty with sealed compressor	
Should have controlled panel with start stop switch and dynamic break switch	
Should store 50 or more programmes	
Cooling should be rapid to attain target temperature with fast cool and fast temperature function.	
Braking system should be dynamic electric break	
Drive system should be of high torque direct drive DC motor	
noise level should be less than 60db	
Door should release automatically after completion of run, there should be safety lid lock and lid drop protection, alarm system for improper operating condition/rotor imbalance should be present. Body of the centrifuge and rotors should be of anti corrosive matter. There should be provision for preventing accumulation of condensed water inside the centrifuge. Should use brushless motor, standby refrigeration should be there. Should be able to work with power supply of 220-240V and 50HZs and Indian plug. operational and a maintenance manual and instructions should be provided in English. Certificate of calibration and inspection should be provided.	
<ul style="list-style-type: none"> • Should be supplied with Fixed angle rotor accommodating at least 24x1.5/2 ml tubes or more at 17500 rpm and 30000x g or more • The Cost of the Fixed angle rotor accommodating 6-8 15/50ml tubes at 7800 rpm,7800xg should be quoted separately as accessory • Free onsite installation and training for support • The equipment should be covered under warranty for a period of five years from the date of installation. • Firm quoting should be an authorized vendor of the parent firm or manufacturer for Sales and service. • Copy of the authorization of the vendor from the manufacturer for sales and service. • Copy of CE / US-FDA certification and original brochure of the quoted equipment. • 5 KVA servo stabilizer 140-280 variation. 	
Total	

