

Ch. Charan Singh University, Meerut.



Short Term Tender Notice

Tender Notice No: FC/935

Dated: 02-11-2011

Sealed Short term tenders are invited in favour of the Finance Controller on behalf of the university from the manufacturer or their authorized dealers of respective companies for supply & installation of equipments ie Gel Doc Spec for DNA & Protein Analysis, Benchtop Scanning Electron Microscope Model Neoscope JCM-5000, JEOL, Microprocessor Based Soil Analysis Kit, Microprocessor Based Colorimeter for water analysis, Turbidity Meter for water analysis on prescribed tender form in which detail of work, terms & conditions of work are given and can be downloaded from Ch. Charan Singh University website www.ccsuniversity.ac.in by enclosing a demand draft of Rs. 1000/- (non-refundable) in favour of the Finance Controller must be enclosed as tender cost in addition to earnest money. Earnest Money of Rs. 50,000/- must be enclosed in the form of demand draft in favour of the Finance Controller. The tender after completing required formalities must reach on or before, 14-11-2011 up to 2:00 PM in the tender box kept in the Office of the Finance Controller which will be opened on the same day at 3:00 PM in presence of tenderers. Therefore, tenderers may remain present at the time of opening of tenders. Hon`ble Vice-Chancellor reserves right to cancel one or all tender without assigning any reason.


Finance Controller

C.C. to :-

1. SVC for kind information of the Hon`ble Vice-Chancellor.
2. Prof. H. S. Balyan, Convener Purchase Committee for information & remain present at the time of opening of tenders.
3. Prof. H. S. Singh, Department of Zoology for information & remain present at the time of opening of tenders.
4. Registrar for information and remain present at the time of opening of tenders.
5. University Notice Board.
6. I/C website for upload tender notice to the website of the University.
7. Advertisement Agency for publishing the notice in दैनिक जागरण (मेरठ), The Pioneer (Lucknow Edition) and Hindustan Times (Delhi Edition).


Finance Controller

CH. CHARAN SINGH UNIVERSITY, MEERUT



TENDER FROM FOR SUPPLY AND INSTALLATION OF EQUIPMENTS TO CENTRE OF EXCELLENCE PROJECT, DEPARTMENT OF ZOOLOGY

Name of the Firm

Tender form No.

Cost of Tender form Rs. 1000/-


(Finance Controller)

With reference to the tender notice no. FC/..... dated regarding supply and installation of equipments to Centre of Excellence Project, Department of Zoology Ch. Charan Singh University, Meerut. Earnest money in the form of demand Draft for Rs. 50,000/- in favour of the Finance Controller is enclosed. We are quoting our rates as per detailed given below. Term & Condition prescribed in this tender form for supply, are acceptable to us.

Detail of the Firm

1. Name of the Firm _____
2. Full Address of the Firm _____
3. PAN No. _____
4. Sales Tax Registration No. _____
5. Income Tax Registration No. _____
6. Service Tax Registration No. _____
7. Detail of earnest money.
D.D. No. _____ Dated _____ for Rs. _____
Of _____ Ban.

Authorized Signatory

Firm/ Company

Seal of the Firm

Page No.....- 1 -

Rate must be quoted here : -

S.No.	Description & Specification of the Equipment	Qty.	Make	Rate (Rs.)
1.	<p>GEL DOC SPEC FOR DNA & PROTEIN ANALYSIS</p> <p><i>Adjustments:</i> Brightness, contrast adjustments. <i>File formats:</i> TIFF, BMP, PCX, JPG, etc. <i>Others:</i> GLP compatible report saved with each image with all image acquisition information.</p> <p>Zoom lens : Standard: 8.5mm to 51mm 6X zoom. Optional: 6 x Zoom (12.5 to 75 mm)</p> <p>Filters Set of 5 filters including Interference filter (UV/IR blocking) for Ethidium bromide, SYBR Green, SYBR Blue stains etc... 5 position filter wheel</p> <p>Camera with on chip integration</p> <ul style="list-style-type: none"> Allows longer exposures from milliseconds to several seconds. Results in improved detection sensitivity especially for stained gels using stains such as ethidium bromide, coomassie blue or SYBR. <p>High resolution image capture</p> <ul style="list-style-type: none"> 1.4 megapixel Camera formats of 1360(H) x 1024 (V) with zoom lens of 6x enable a resolution of 20microns/pixel. <p>Broad detection range. Get faint bands and bright bands in same image through high dynamic image acquisition range.(True 12 bit/4096 gray levels. This enables capture and analysis of faint bands in the presence of bright bands without saturating the bright Bands.</p> <p>IEEE1394 firewire interface</p> <ul style="list-style-type: none"> Enables rapid transfer of images from camera to computer. Facilitates real time focusing and viewing of sample on the computer screen. <p>Camera control via software:</p> <ul style="list-style-type: none"> All software parameters such as exposure time, gain, bias, multiframe acquisition etc. are controlled via software .All settings can be saved and recalled depending on the type of experiment or light conditions. <p>Image display on computers monitor.</p> <ul style="list-style-type: none"> Image acquired through the camera are directly displayed on the computers monitor in near real time. Contrast brightness etc. can be adjusted via software for better image display and highlighting of dim features in gel. User friendly software for image capture, documentation and analysis. The software has been optimized for simplicity and ease of use. Easy to use. <p>Powerful analysis software</p> <ul style="list-style-type: none"> Several features for analysis of gels spots, autoradiograms etc. Determine Mw,IEF etc. in addition to Mass and volumes. Interactive densitometry features. Comparison between lanes and generation of similarity coefficient matrices and dendograms. Results can be stored in a Microsoft Access 	01		

compatible database for multi-lane/multi-gel comparisons or studies such as RFLP/RAPD etc.

- Graphical outputs such as lane maps and band maps.
- GLP compliant reporting. compliance with US FDA 21 CFR Part-II regulation

Continuous software upgradation:

- The software is continuously upgraded taking into account the needs and feedback received by users. Free upgrades provided for two years minimum from date of purchase.

Software features

Software:

1D software for 1D gel analysis & documentation,

Key Features:

- Automatic lane detection
- Automatic band finding with band edition (Insertion/deletion)
- Compare band positions with standards and obtain results directly in terms of Mw, Kb, Kd, IP or user defined units defined units.
- Have single or multiple standard lanes.
- Select from a predefined standards set library or add user defined standards with units, curve fit mode all specified by the user.
- Calculate volumes / integrated band areas or calibrate them with reference to known standards and obtain densitometric results directly in user defined units.
- Align lanes/bands to compensate for any non uniform migration of lanes or for **smiling**
- Automatic/background subtractions across the gel or for each lane.
- Image enhancement includes background corrections, contrast brightness gamma selections, zoom/pan of images.
- Compare bands across lanes and generate a similarity coefficient matrix. (Optional dendograms)
- Generate a Pseudo Image depicting band positions (corrected or normal)
- Display band information from all scanned lanes side by side in tabular format. Export to **MS Excel**.
- Control Image acquisition from the digital CCD camera via software. Set camera exposure time, gain, Bias, auto gain.
- Transfer graphs via clipboard to other windows programs for printing.
- Transfer all results to *Microsoft Excel* for easy tabulation and reporting/statistics
- Store all data of the gel/lanes or each individual band in a *Microsoft Access* compatible database for easy recall, comparison purposes or studies such as RFLP, RAPD etc..

2D spot and blot analysis:

- Auto detection of spots or manual tracing of spots and blots
- Auto or manual separation of overlapping objects/spots.
- Obtain results such as spot area, integrated volume, x,y centre position, average intensity etc.

DNA Matching/RFLP

- Match lanes/bands with others across one or several

	<p>databases (created through <i>Biovis Gel</i>)</p> <ul style="list-style-type: none"> • Generate similarity coeff matrix • Query database for specific matches • Generate dendograms etc. <p>Colony Counting</p> <ul style="list-style-type: none"> • Automatic colony count in seconds • Classify colonies according to size and shape. • Simple and easy tab based interface <p>Densitometry</p> <ul style="list-style-type: none"> • Software for imaging densitometry. • Use intensity calibration to convert pixel intensities accurately to Absorbance/OD or other units. • Outline areas with square , ellipse or polygon tracing modes and obtain extensive densitometric measurements on them. • Calibrate and obtain volumes with reference to known standards. • Multiple background correction ,modes. • Display data in tabular or graphic formats. 			
2.	<p>BENCHTOP SCANNING ELECTRON MICROSCOPE MODEL NEOSCOPE JCM-5000, JEOL</p> <p>JCM-5000 Main Body Consisting of: Magnification up to : 10X - 40,000X Rotary Pump Power Cable Software (Desktop PC with Vista Software has to be prepared by customer) IEEE Cable for PC Grid with Filament (six pieces) Specimen Holder 25dia Shield 25 dia Specimen Block 25 x 10 Specimen Block 25 x 25 Specimen STD Block 70 Tool for grid replacement NeoCoater 100-240V with Rotary Pump</p>	01		
3.	<p>MICROPROCESSOR BASED SOIL ANALYSIS KIT</p> <p>Microprocessor Water & Soil Analysis Kit for measurement of pH, Conductivity, ORP, TDS, Salinity, D.O. & Temperature. 16x2 Line bold alphanumeric LCD display, battery cum mains operated with all accessories, fitted in a VIP portable brief case. Data storage facility up to 90 samples & external printer attachment facility.</p> <p>TECHNICAL SPECIFICATIONS:</p> <p>Product : Microprocessor Based Analysis kit Display : 16x2 Line LCD Display with Backlit</p> <p>pH</p> <p>Range : 0 to 14 pH Resolution : 0.01 pH Accuracy : 0.01 +- 1 Digit Temp. Comp. : 0 to 100 degree C</p> <p>(Auto/Manual) Calibration : Auto & Manual Auto Buffer Recg. : 4.00, 7.00 & 9.2 pH</p>	01		

Conductivity (EC)				
Range	:	0-20, 0-200us, 0-2, 0-20, 0-200 mS		
Resolution	:	0.01 us		
Range Selection	:	Automatic		
Accuracy	:	+0.5% FS +- 1 Digit		
Cell Constant	:	Adjustable (0.05 to		
10.5)				
Temp. Coefficient	:	Adjustable (0.1-4%)		
Temp. Comp.	:	Auto & Manual (5-50 degree C)		
Reference Temp.	:	Selectable (5 to 50 degree C)		
Temperature				
Range	:	0-100 degree C		
Resolution	:	0.1 degree C		
Accuracy	:	+0.1 degree C +- 1		
digit				
Sensor	:	Semi Conductor		
Type				
TDS				
Range	:	0-20, 0-200 ppm 0-2, 0-20, 0-200 ppt		
Range Selection	:	Automatic		
Resolution	:	0.01 ppm		
TDS Factor	:	Adjustable		
Temp. Comp.	:	Auto & Manual		
Accuracy	:	+0.5% FS +- 1 Digit		
Cell Constant	:	Adjustable		
D.O.				
Range	:	0-20 ppm		
Resolution	:	0.1 ppm		
Accuracy	:	0.1 ppm +- 1 Digit		
Temp. Comp.	:	Auto/Manual (5 C to 55		
degree				
degree C)				
DO Sensor	:	Gold/Silver		
Amperometric				
Calibration	:	Automatic		
mV (ORP)				
Range	:	0 to +-1999.9 mV		
Resolution	:	0.1 mV		
Accuracy	:	+0.1 mV +- 1 Digit		
Salinity				
Range	:	0-20, 0-200 ppm 0-2, 0-20, 0-50 ppt		
Range Selection	:	Automatic		
Resolution	:	0.01 ppm		
Salinity Factor	:	Adjustable		
Temp. Comp.	:	Auto/Manual		
Accuracy	:	+1% of Range +- 1 Digit		
Power Supply				
230V +- 50Hz	:	8 V Rechargeable Battery or 10%AC,		
Standard Accessories				
Cell, Temp.	:	pH Electrode, Cond./TDS		

	Probe, DO Probe, Mains Lead, Operation Manual, Bottles for pH Solution.			
4.	MICROPROCESSOR BASED COLORIMETER For water analysis <ul style="list-style-type: none"> • Wavelength Range: 400 to 700nm • Resolution: 1%T, 0.01 Abs., 0.01 Conc., 0.01 K Factor • %Transmission: 0 – 100%T • Absorbance: 0 – 1.99A • Concentration: 0 – 19999 • K Factor: 1 – 19999 • Photo Detector: Silicon Photodiode / Photo cell • Display: 16 x 2 line alphanumeric LCD display with backlit • Keyboard: 8 keys, soft touch membrane keys • Data Storage: Up to 100 samples • Light Source: 6.8V, 0.3 Amp. Tungsten lamp • Sample system: 10mm path length matched glass test tubes • Filters: 400, 420, 480, 500, 520, 540, 620, 680nm • Printer Interface: Centronics parallel printer interface for any dot matrix printer • RS 232 Interface: Available (On Request) • Weight: 2.5 kg • Power supply: 230VAC ±10%, 50Hz with in-built stabilizer 	01		
5.	TURBIDITY METER For water analysis <ul style="list-style-type: none"> • Highly stable & accurate • 30mm flat bottom test tube • Display: 3 ½ digital LED • Detector: Photocell / Photodiode • Range: 0 to 1000 NTU in 2 ranges • Resolution: 1 NTU • Accuracy: ±3% FS ±1 digit • Sample system: 30 mm clear glass test tubes • Light source: 6V tungsten lamp • Power: 230V ±10%, 50Hz AC • Dimensions: 275 x 175 x 125 mm • Accessories: Test tubes, Operation manual, Dust cover 	01		

Tax Detail (if charged extra)

VAT.....

Any other Tax (if applicable).....

Authorized Signatory

Firm/ Company

Seal of the Firm

Page No.....- 6 -

Terms & Conditions

1. Supply must be made F.O.R. Ch. Charan Singh University, Meerut.
2. Earnest money in the form of demand draft from any nationalized bank, drawn in favour of the Finance Controller, Ch. Charan Singh University, Meerut, amounting to Rs. 50,000/- must be enclosed with the tender.
3. Authorized dealers/manufacturers of the items will be preferred for supply, therefore, the tenderer who are the authorized dealers/ manufacturers of the items must enclose attested copies of the documents. The items ISI/ISO marked shall be preferred for supply.
4. The tenderer must also mention the mode of warranty for the item to be supplied and must be ready to deposit a suitable amount may be up to 10% of total value of item/ work, as security money in the form of demand draft or FDR in favour of The Finance Controller, Ch. Charan Singh University, Meerut decided by the University, On the requirement of Coordinator of the Department, during the warranty period.
5. The firm must be registered in Sales Tax and Income Tax Department, Registration No. must be mentioned in the tender. Tax clearance certificate must be enclosed with the tender or produced before payments of the bills.
6. Tax are exclusive or inclusive must be mentioned clearly.
7. Warranty period of the equipments must clearly be mentioned in the tender, the paper regarding warranty etc. will be handed over to the of the Department or his nominee at the time of supply.
8. Last date for submission of Tender is fixed 14-11-2011 up to 2:00 pm, tenders must reach in time by hand in the Tender Box. If last date is an holiday, the next working day will be treated, as last date of Tender and date of opening will be shifted accordingly.
9. Tender received after last date and time shall not be considered.
10. The Tenders will be opened on 14-11-2011 in the office of the Finance Controller at 3:00 pm. Tenderer may remain present at the time of opening.
11. The University reserves rights to reject one or all tender without assigning my reason.
12. "Tender for Supply & installation of Equipments to Centre of Excellence Project, Department of Zoology." must be written on sealed envelop and last date of receipt of tender must also be mentioned.
13. The university reserves right to reduce or increase the quantity of purchase.
14. Incomplete tenders in any respect shall not be considered.

15. The detail specifications of the equipments will be supplied by Prof. H. S. Singh, Department of Zoology. Therefore, the tenderer are advise to received to the same from the department.
16. If the tenderer quote higher/ latest configuration/ specification of the item must be clearly mentioned.
17. The payment of the supply of equipments will be made after satisfactory supply/ Installation report and stock entry of the items. Satisfactory supply installation report will be given by Prof. H. S. Singh, . In case somebody else is also authorized other then HOD the report will be given by him. But the report will be accepted after counter signature of the HOD of the Department.
18. Validity of rates/ tenders must be mentioned in the tender.
19. Earnest money as prescribed must be enclosed, no tender for supply will be accepted with earnest money.
20. Tenderers must be ready to supply the equipments/ items within stipulated period communicated as through supply order. If the tenderer fails to supply within stipulated period, the University reserves the right to cancel the supply order. In such case earnest money/ security money will be forfeited.
21. If the supply is of inferior quality and not according to specifications, the same is liable to be rejected.
22. Information or documentary proof required in the terms and conditions prescribed as above must be completed. Failing which tenders shall not be considered.
23. Technical aspect of the equipments will be examined by the concerned HOD, since, Head of the Department may select the items after examining the tenders, rate and specification of the equipments, therefore, they may be responsible for any regularity regarding specification of the equipments supplied.
24. The University reserves the right to correct any clerical mistake crept in this Tender form in advertently.
25. If any dispute arises between the University and the firms regarding supply, the decision of the University shall be final and binding upon the supplier firm.

Finance Controller

Terms and condition are acceptable to us.

(Authorized signatory)
Firm/ Company with Seal