



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

No.1821/CAET,dt.28.11.2018

NOTIFICATION

With reference to Tender call notice no. 1432/CAET, dated 05/09/2018 of OUAT and subsequent approval of the higher authority, rate contract of the following laboratory equipments, instruments, Field Machineries etc (Group-A & Group B) has been finalised. The rate contract is valid for one year from the date of notification or till the finalisation of the next rate contract for the specific equipment, whichever is earlier.

Order should be placed with due approval of the competent authority after following rules and regulation of the University.

The indenter should obtain an undertaking from the supplier that equipment costing more than INR 5 lakhs is not obsolete and parts and service has to be provided for at least for next 10 years by the supplier/ manufacturer.

Indenter may check the make, model and technical specification with the hard copy available with the chairman, CPC. Any discrepancy in the rate contract should be brought to the notice of the Chairman immediately for taking further action.

Tax Deduction at Source (TDS) as per No.Pen-I-38/18 23444/UAT, dt.04.10.2018

For availing GST concession/customs duty exemption, necessary certificates like End User Certificate & certified DSIR certificate may be submitted to the supplier as per requirement.

Payment should be made after obtaining performance bank guarantee (10%) as per the Annexure I and II, as the case may be. Standard installation certificate should be made before payment as per Ann. III.

CHAIRMAN, CENTRAL PURCHASE COMMITTEE and DEAN, CAET

Memo No.1822 / CAET, dt.28.11.2018

Copy forwarded to all Deans/ Directors/ Associate Dean, C.A.,Chiplima/ Bhawanipatna/ CH, Chiplima/ All HoDs/ Controller of Examination/ Medical Officer, OUAT Health Center/ Chief Librarian, Central Library/ All ADRs, RRTTS/All Programme Coordinators, KVK/All Officer-in-Charge, RRTSS & Projects by e-mail.

CHAIRMAN, CENTRAL PURCHASE COMMITTEE and DEAN, CAET

Memo No.1823/ CAET, dt.28.11.2018

Copy forwarded to Registrar/Comptroller, OUAT, Bhubaneswar for information and necessary action.

CHAIRMAN, CENTRAL PURCHASE COMMITTEE and DEAN, CAET

Memo No. 1824 / CAET, dt.28.11.2018

Copy forwarded to DPME, OUAT, Bhubaneswar for information and necessary action. He is requested to upload the entire notification in OUAT website.

CHAIRMAN, CENTRAL PURCHASE COMMITTEE and DEAN, CAET

Memo No. 1825/ CAET, dt.28.11.2018

Copy forwarded to the Secretary to V.C. for kind information of the Hon'ble Vice Chancellor.

CHAIRMAN, CENTRAL PURCHASE COMMITTEE and DEAN, CAET



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

GROUP A: EQUIPMENTS/INSTRUMENTS AND ACCESSORIES

Tender SL No 1:

Item: Hot Air Oven

Name of the Firm	Lab Chemicals Private Limited,
Address of the firm	Shop No. W/5, Unit-IV, Market Complex,, Bhubaneswar-01
email	labchemicalspvtltd@gmail.com
Telephone	0674 -2506676
Fax	Fax - 0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
MAKE	Accumax
MODEL	AI 103
Technical Specification	Capacity-175ltr Inside Material-SS304 2 to 3 nos. of S.S. welded trays with adjustable tray height Heating Element-Nichrome Wire Temperature Range- 50-300°C Accuracy- +/-2°C Insulation- Ceramic Wool 3inched thick Electronics Control & Display-PID Control & Digital Display Arrangement for uniform temp Tray Operating Condition single phase 230V AC 50 Hz
Basic Price of each	Rs.54,000/-
Total cost of equipment	Rs.54,000/-
Price after discount	Rs.54,000/-
GST@5% on equipment	Rs.2700/-
On Site Delivery price (3 year warranty)	Rs.56,700/-

Tender SL No - 6

Item: Laminar Air Flow

Name of the Firm	M//s. Lab Chemicals Private Limited
Address of the firm	Limited, Shop No. W/5, Unit-IV, Market Complex, Bhubaneswar-01
Email	labchemicalspvtltd@gmail.com
Telephone	9437005066 /9937005067
Fax	0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
MAKE	Accumax
MODEL	AI-143
Technical Specification	Working area: 3 ft x 2ft x 2 ft The work table is made S.S All joints are sealed with silastic sealant. Side panels provided with thick transparent acrylic sheets. Motors and Blowers mounted on vibration isolation mounts to minimize vibration. Air Velocity: Between 0.4 to 0.5 m/s with +/- 20% HEPA Efficiency; 99.99 % at 0.3 microns with DOP test Pre filter Washable with a stoppage: up to 90 % at 5 micron 2 ft long UV lamp



**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003**

	Light Intensity (Lux): 900 – 1300 Lux Cleanliness: Class: 100 The working is illuminated by fluorescent lightings Comfortable “Sit Down” working position Power Supply: 220/240 V Single Ph, 50 Hz AC
Basic Price of each	Rs.68,400/-
Total cost of equipment	Rs.68,400/-
Price after discount	Rs.68,400/-
GST@5% on equipment	Rs.3,420/-
On Site Delivery price (3 year warranty)	Rs.71,820/-

Tender SL No -7

Item: Bacteriological Incubator

Name of the Firm	M//s. Labard Instruments pvt. ltd
Address of the firm	P-132 Kalindi Housing Estate, Ground floor Kolkatta 700089
Email	labardinstruments@gmail.com
Telephone	8276000008/8272944699
GSTN	19AACCL4643F1ZJ
PAN	AACCL4643F
Make	Labard
Model	LI –BOD-9
Technical Specification	Capacity: 280 liter Double walled construction fully made of Stainless steel inner of 316 mirror finished and exterior matt of 304 finished. The gap between the two walls filled with glass wool-insulation. Cooling is by hermetically sealed compressor with CFC free refrigerator Temperature controlled by microprocessor based digital temp controlled with sensor Supplied with S.S.shelves. Temperature Range: 5oc to 60 deg C .Accuracy ± 0.5 deg C
Basic Price of each	Rs.73,504.76
Total cost of equipment	Rs.73,504.76
Price after discount	Rs.73,504.76
GST@5% on equipment	Rs.3,675.24
On Site Delivery price (3 year warranty)	Rs.77,180/-

Tender SL No 8

Item: Autoclave Vertical

Name of the Firm	M//s. Lab Chemicals Private Limited
Address of the firm	Limited, Shop No. W/5, Unit-IV, Market Complex, Bhubaneswar-01
Email	labchemicalspvtltd@gmail.com
Telephone	9437005066 /9937005067
Fax	0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
MAKE	Accumax
MODEL	AI-175
Technical Specification	Capacity 98 –/117 Lit ,Available



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

	Pressure: adjusted from 5 Psi to 20 Psi Can withstand upto 40 Psi Tripled walled with steam jacket and heater Inner material SS304 SS Basket. Digital timer, pressure gauge, safety bulb (Spring loaded) No steam released valve, Water drain cock Low water level cut off High pressure cut-off switch, Operated on 220/230 V., 50 cys, A.C. mains.
Basic Price of each	Rs.102000/-
Total cost of equipment	Rs.102000/-
Price after discount	Rs.102000/-
GST@5% on equipment	Rs.5100/-
On Site Delivery price (3 year warranty)	Rs.1,07,100/-

Tender SL No 11

Item: Data Logger for Soil Moisture

Name of the Firm	M//s. Science Solutions
Address of the firm	VIM460, Shailshree Vihar, Bhubaneswar-751021
Email	Sciencesolutions.bbsr@gmail.com
Telephone	9338807972,9338878119
Make	Make : DELTA –T Devices Ltd. UK through, Concord Scientific Devices ,Chennai
Model	DL6
Technical specification	DL6 Data Logger is with 6 soil moisture channel,temperature and rain gauge channels and versa tile relay channel Analogue channels (soil moisture)-6 ,Analogue channels (DC voltage)-6, temp. channel-1,event counter channel -1, sensor excitation -6, alarm out -1, Logging frequency 1s to 24hr -User selectable with accelerated logging option, Accelerated logging 1s to 24hr- User selected - rain gauge or event triggered, Reading capacity 16k readings -Auto-wrap or stop logging - user selectable, PC connection 1- Via RS232 connection (USB to RS232 converters are available), Battery lifetime 1yr- 6 alkaline AA cells last for up to one year (depends on logging frequency) Environmental IP67 -20 to +60°C Operating -10 to +50°C Full
GSTN	21AFBPR4974E1ZK
PAN	AFBPR4974E
Basic Price of each	Rs.2,09,000/-
Total cost of equipment	Rs.2,09,000/-
Price after discount	Rs.2,09,000/-
GST@5% on equipment	Rs.10,450/-
On Site Delivery price (3 year warranty)	Rs.2,19,450/-



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Tender SL No 13

Item: Leaf Area Meter

Name of the Firm	SPECTRA AGRITEC
Address of the firm	B-1, B-2, Ashok Apartment (3rd Floor) Ranjit Nagar Commercial Complex New Delhi – 110008
Email	specagri@vsnl.com
Telephone	+91-11-25704370, 25704497
Fax	+91-11-25703946
Make	M/s. CID Bio-Science Inc., U.S.A.
Model	CI-202 Portable Laser Leaf Area Meter
Technical Specification	Measuring Thickness: 15mm maximum Measuring Width : 150mm maximum Measuring Length: 100 cm Accuracy: $\pm 1\%$ for samples $>10\text{cm}^2$ Scanner: 675nm Laser Diode Resolution: 0.01cm^2 Interface: USB 2.0 Memory: 8,000 Measurement Display: 16 Character x 2 lines LCD Scanning Speed: 127mm/second Battery: 7.2 volt rechargeable NiMH Battery capacity: 15 + hours normal use Operating Temperature: 0-50°C Complete supplied with Palette style scan board, Laser Scanner with built – in control unit, internal battery, voltage switching battery charger (220V), USB cable, Software, one additional transparent film, operating manual and instrument case
GSTN	07AAAPB5521F2ZD
PAN	AAAPB5521F
Basic Price of each	US\$5000/-
Total cost of equipment	US\$5000/-
Price after discount	US\$5000/-
Packing, forwarding and insurance charges (if any)	US\$250/-
GST@5% on equipment	CIF charges US\$300/-
On Site Delivery price (3 year warranty)	US\$5500
Remarks	Order to be placed with M/s CID Bio-Science Inc., 1554 N E 3 rd Avenue, Camas WA 98607 USA

Tender SL No 14

Item: Chlorophyll Meter

Name of the Firm	M/s. Science Solutions
Address of the firm	VIM460, Shailshree Vihar, Bhubaneswar-751021
Email	Sciencesolutions.bbsr@gmail.com
Telephone	9338807972, 9338878119
Make	ADC Bio Scientific Ltd.
Model	CCM-200 PLUS



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Technical Specification	<p>Measured parameters:Optical absorbance in two different wavebands: 653nm (Chlorophyll) and 931nm (Near Infra-Red) providing CCI value Measured area: 1cm diameter circle Resolution: 0.1 CCI unit Repeatability: +/- 1 % Sampling acquisition time: 2-3 seconds Source: Custom 2 wavelength LED module Detectors: Two silicon photodiodes with integral amplifiers for absorbency measurements, power monitoring and temperature compensation Data modes: Single point, selectable 2-30 point average and a statistical 10-30 point protocol that disregards data beyond a 2 sigma standard deviation Storage capacity: Up to 160,000 measurements User Interface: 128 x 32 pixel graphic display, 8 keys for measurements, data manipulation, beep signal status and warnings Output: USB 1.1 and RS232. By single measurement or complete storage file Operating temperature range: 0-50oC Temperature compensation: Temperature compensated source and detector circuitry for minimal drift over full range Battery: 9V alkaline battery Auto off interval: 4 minutes (with no key press or download) Dimensions: 152 x 82 x 25 mm Weight: 162g</p>
GSTN	21AFBPR4974E1ZK
PAN	AFBPR4974E
Basic Price of each	Rs.180000/-
Total cost of equipment	Rs.180000/-
Price after discount	Rs.180000/-
GST@5% on equipment	Rs.9000/-
On Site Delivery price (3 year warranty)	Rs.189000/-

Tender SL No 26

Item: Optical Emission Spectrophotometer

Name of the Firm	M/s. Metal Power Analytical (I) Pvt. Ltd.
Address of the firm	Metal Power House, 87, Marol Industrial Area, Andheri East, Mumbai – 400 059
Email	Biotechnika.odisha@gmail.com
Telephone	91 22 4083 0500
Fax	91 22 4083 0564
GSTN	27 AACCM4836D1ZM
PAN	AACCM4836D
Make	Metal Power
Model	Metavision – 1008i
Technical Specification	<ol style="list-style-type: none"> 1. Capable to test samples of ferrous, non-ferrous and alloys particularly percentage of carbon, silicon, manganese, sulphur, phosphorous, etc. in carbon steel, boron steel and silico manganese steel. 2. current-controlled digital plasma generator with fully software control, open Spark stand, 3. dual optical system – separate for UV optics and visible optics, 4. Wavelength range: 160 – 411 nm or better



**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003**

	5. Capability to analyse Nitrogen down to 20 ppm or lower in alloy steels. 6. Power input of 90-270VAC. 7. Fully computer controlled for all parameters, compatibility with windows 10 (32 or 64 bits) with software. 8. Filled Argon cylinder and all accessories. 9.3 KVA online UPS with minimum 1 hr. back up.
Basic Price of each	Rs.2540300/-
Total cost of equipment	Rs.2540300/-
Educational discount	Rs.127015/- + Rs.250000/- additional discount
Price after discount	Final discounted price = Rs.2163285/-
Packing, forwarding and insurance charges (if any)	Rs.47000/-
GST@5% on equipment	Revised GST = Rs.108164
Any other Taxes/ Charges (if any)	Rs.50000/- installation and commissioning
On Site Delivery price (3 year warranty)	Rs.2368449/-

Tender SL

Tender Sl.No 27

Item: Vacuum Rotary Evaporator

Name of the Firm	M//s. Labard Instruments pvt. ltd
Address of the firm	P-132 Kalindi Housing Estate, Ground floor Kolkatta 700089
Email	labardinstruments@gmail.com
Telephone	8276000008/8272944699
Gstn	19AACCL4643F1ZJ
Pan	AACCL4643F
Make	Labard
Model	LI RVE 37A
Technical Specification	Rotational Speed; 20-320 rpm LED display Heating bath volume: 3 liter Bath temperature: 20 to 210 deg C Heating bath controller with display set of actual temperature Flask size: 50ml to 5000 ml Lift: Automatic Power: 230V Ac 50 Hz Oil free vacuum pump with controller (compatible with evaporator)
Basic Price of each	Rs.253200/-
Total cost of equipment	Rs.253200/-
Price after discount	Rs.253200/-
GST@5% on equipment	Rs.12660/-
On Site Delivery price (3 year warranty)	Rs.265860/-

Tender SL No - 29

Item: RT-PCR (Option I)

Name of the Firm	M//s. Lab Chemicals Private Limited
Address of the firm	Limited, Shop No. W/5, Unit-IV, Market Complex, Bhubaneswar-01
Email	labchemicalspvtltd@gmail.com
Telephone	9437005066 /9937005067



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Fax	0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
Make	Himedia
Model	Insta Q96 (LA1012)
Technical Specification	<p>Complete system including computer, analysis software, calibration standards etc.</p> <p>System should accommodate Taqman, SYBR green and fluorescent dye based chemistries and should have separate filter option for High Resolution Melt Curve analysis.</p> <p>Rotordisc based to accommodate minimum 72 sample.</p> <p>Rotary Disc Format enabling use of both 0.2 ml and 0.1 ml PCR tubes/plates</p> <p>Sample volume should be min 10 µl with linear dynamic range of 10 order magnitude.</p> <p>Should have ramping rate of 10-150C/Sec or more</p> <p>Multiplexing ability five dyes or more in a single run.</p> <p>Calibrated dyes at installation: FAM/SYBR Green, VIC/JOE, NED/TAMRA/Cy3, ROX/Texas Red, and Cy5 should offer flexibility in dye selection.</p> <p>Temperature range 4 to 105 deg C</p> <p>Sensitivity: Detection of 1 copy of template.</p> <p>All accessories CE mark or equivalent.</p>
Basic Price of each	Rs.746000/-
Total cost of equipment	Rs.746000/-
Price after discount	Rs.746000/-
GST@5% on equipment	Rs.37300/-
On Site Delivery price (3 year warranty)	Rs.783300/-

Tender SL No - 30

Item: RT-PCR (Option II)

Name of the Firm	M//s. Lab Chemicals Private Limited
Address of the firm	Limited, Shop No. W/5, Unit-IV, Market Complex, Bhubaneswar-01
Email	labchemicalspvtltd@gmail.com
Telephone	9437005066 /9937005067
Fax	0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
Make	Himedia
Model	Insta Q96 (LA-1012)
Technical Specification	<p>A Peltier based 96 well thermal cycler with temperature range of 4°C to 100°C</p> <p>Compatibility to Standard 96 x 0.2 ml PCR tubes or plates or 8 well strips.</p> <p>Gradient capacity in Real-time along with programmable gradient feature.</p> <p>Temperature stability <math>\pm 0.30C</math> from ambient to 95 degC</p> <p>Heating and cooling rate 1-30C / S</p> <p>System should be capable for detection of minimum 4 dyes or better including SYBRGREEN, TEXAS Red</p>



**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003**

	<p>System should have fast 40 cycle protocol run time to complete the PCR cycle (with less than 120min) Reaction volume 5-100μl The system should be capable for FRET analysis with alternative filter sets at same time Operations stand alone or through computer Shall include the latest software required for data acquisition and offline analysis The application software should include qualitative detection quantification, and gene expression analysis. Tm calling melting curve based analysis of known and unknown genetic variation and end point analysis. The equipment should be supplied along with 1.5 ton 5 star split air conditioner with copper condenser, with appropriate stabilizer, suitable compatible branded Desktop PC computer having more than 14" monitor preloaded with MS windows operating system and software for RT PCR with branded online UPS with minimum 30 min backup time</p>
Basic Price of each	Rs.889000/-
Total cost of equipment	Rs.889000/-
Price after discount	Rs.889000/-
GST@5% on equipment	Rs.44450/-
On Site Delivery price (3 year warranty)	Rs.933450/-

Tender SL No - 31

Item: Thermo cycler

Name of the Firm	M//s. Pristine biochemical
Address of the firm	Plot No-689/9, Behera sahi, Bhubaneswar-751012, Odisha,
Email	Pristinebiochem@gmail.com
Telephone	9439082288
GSTN	21AJPPD1174J1ZE
PAN	AJPPD1174J
EMD	Rs.3465/- 003007
Make	Thermo Fisher Scientific
Model	Cat No# A37834
Technical specification	<p>Gradient Range: 30°-100° C Sample capacity: 96x0.2ml tubes, strips or 1x96 well plate Gradient accuracy: \pm0.5°C of programmed temperature Temperature Differential range: 1-25°C Maximum ramp rate: 4°C per second Temperature range : 4°-100°C Dimension: 10"x18"x9"</p>
Basic Price of each	Rs.165000/-
Total cost of equipment	Rs.165000/-
Price after discount	Rs.165000/-
GST@5% on equipment	Rs.8250/-
On Site Delivery price (3 year warranty)	Rs.171518/- (inclu additional discount)



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Tender SL No - 40

Item: Anaerobic Work Station

Name of the Firm	M//s. Lab Chemicals Private Limited
Address of the firm	Limited, Shop No. W/5, Unit-IV, Market Complex, Bhubaneswar-01
Email	labchemicalspvtltd@gmail.com
Telephone	9437005066 /9937005067
Fax	0674-2508057
GSTN	21AAACL5586D1ZS
PAN	AAACL5586D
Make	HIMEDIA
Model	LA-1022
Technical specification	<p>Anaerobic work station 810x760x635mm (wxdxh) with incubation facility including all accessories such as storage tray, adjustable trolley, electronic gas leak detector, basket tag, lighting pod and anaerobic indicator pump to be installed in a turn key basis.</p> <ol style="list-style-type: none">1. Anaerobic workstations: Incubation facility with advanced ergonomics, all principal sub-assemblies fully inter-changeable.2. Capacity: 240 x 90mm plates whilst still.3. Construction and material: Chamber should be constructed with 10mm acrylic for structural stiffness and optical clarity.4. Guarantees and integrity of the chamber: Size: 810mm x 635mm x 760mm (L x H x D), working area: 650mm wide x 235mm deep with height of 315mm and incubation area 510mm.5. Gas requirements: Operate with anaerobic gas mixture (10% hydrogen, 10% carbon dioxide and 80% nitrogen) or one cylinder of anaerobic gas mixture and a cylinder of nitrogen.6. Two cylinder for anaerobic gas mixture and two cylinder for nitrogen with regulators.7. Gas alarms and control system with green lamp indicator for continuity of gas flow.8. System operation: Anaerobic gas control, oxygen control, removal of volatile fatty acid and humidity control and temperature (5 above ambient and 45°) control, bubbler, plate transfer system must be with work station.
Basic Price of each	Rs.1220000/-
Total cost of equipment	Rs.1220000/-
Price after discount	Rs.1220000/-
GST@5% on equipment	Rs.61000/-
On Site Delivery price (3 year warranty)	Rs.1281000/-

Tender SL No - 41

Item: Fermenter

Name of the Firm	M//s. Borg Scientific
Address of the firm	New No 25, Old No 75, South Jaganatha Nagar, 2 nd Main Road, Villivakkam, Chennai 600049
Email	info@borgscientific.com
Telephone	9840069654



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Fax	+91- 4443550982
GSTN	33AAKFB7209C1ZV
PAN	AAKFB7209C
Make	Borg
Model	LF 3i
Technical Specification	<p>Fermenter (5L) made up of stainless steel with 3L working volume, in situ sterilisable including all accessories such as agitation, ports, instrumentation, sensor facility, antifoam controller and chiller to be installed in a turn key basis.</p> <ol style="list-style-type: none">1. Total volume 5L, working volume 3L made up of stainless steel (flange thickness 12mm/ thickness 4mm) including top and maximum operating temperature 150oC.2. Single dry mechanical seal, rotating speed (100-1000rpm), impellers, baffles,3. Ports for pressure gauge, light, air, sample, acid, alkali, inoculum, temperature, sensor, pH, heater and cooling finger.4. Temperature & pH probe, air rota meter, agitator speed controller, temperature controller (1-150°C), pH controller (0-14), 3nos. pumps for acid/alkali/& inoculum, aeration controller and absolute filter.5. Antifoam controller with stainless steel probe for foam sensing.6. Chiller with 5L bath volume, temperature (10-60oC) and in-built magnetic form.7. Warranty: 3years, packaging, transport, insurance and installation (all) should be made by the supplier.
Basic Price of each	Rs.534000/-
Total cost of equipment	Rs.534000/-
Price after discount	Rs.534000/-
GST@5% on equipment	Rs.26700/-
On Site Delivery price (3 year warranty)	Rs.560700/-

Tender Sl. No.42

Item: CHNS,O Analyser

Name of the Firm	M/S Elementar India Pvt.Ltd.
Address of the firm	18 th floor,Building No-5Tower –A, DLF Cyber city,Phase-III, Gurgaon-122002, Haryana,India
Email	info@elementar.co.in
Telephone	1246637960/614/62/63/64
Fax	911246637978
GSTN	06AAECE2593D2ZT
PAN	AAECE2593D
Make	ELEMENTAR GERMANY
Model	UNICUBE
Technical Specification	<p>Higher Features In Detection Limits & Analytical Ranges than as given below Fully automated PC controlled CHNS Elemental analyzer for: Solids, Gases, Liquids, Liquid volatile samples, Seawater and marine sediment analyses. Advanced chromatographic separation of gases using temperature individual temperature programmed columns for each element. Furnace temperature should be 800-1800oC or more to ensure complete combustion.</p>



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

	<p>Analyzer should have auto sampler with capacity of minimum 60-120 samples.</p> <p>It should have a mass flow controller/electronic flow controller for constant flow of carrier gas & sample introduce by ball valve technique for better accuracy of results to avoid the atmospheric nitrogen contamination. Operator selectable choice of working modes of CHNS, CHN, CNS, CN or CHNS O</p> <p>Must have the facility to use both Helium and Argon as carrier gases</p> <p>Automated Gas Saver: Capability of monitoring leakage of gases & automatic wake up of analyzer.</p> <p>Must have the option for automatic shutdown and wake up for reducing furnace temperature defined time and dates as well as reheating and calibration.</p> <p>Detection range : 100 ppm or 1 microgram Run time : < 10 min Combustion temperature: 800-1800 o C Sample feed : 60 to 120 auto sampler</p> <p>Detector : TCD for CHNS Carrier gas : helium or argon Total control and data evaluation through PC Training:</p> <p>Analyser must provide both dynamic and static combustion.</p> <p>System should have the analytical ranges of</p> <p>C: 0.001 – 3.6 mgs or more</p> <p>H: 0.001 – 1.0 mgs or more</p> <p>N: 0.001- 6.0 mgs or more</p> <p>S: 0.001 – 2.0 mgs or more</p> <p>O: 0.001- 2.0 mgs or more</p> <p>Software features: Software should allow: Elemental Ratio calculations, empirical formula calculations, solvent of crystallization, dry basis and heating value. Optimization of combustion conditions background (blank) and calibration (Kfactor) values. Statistical Analysis including Standard Deviation, Variance and Relative Standard Deviation calculations Diagnostic leak checking etc.</p> <p>Additional items to be provided with instrument: Separation columns for CHN, CHNS and Oxygen modes should be provided CHN kit containing chemicals and tubes for running at least 6000 sample CHNS kit containing chemicals and tubes for running at least 1000 samples Oxygen kit containing chemicals and tubes for running at least 4000 samples Kit for handling liquid samples and cups/crucibles for handling liquid samples (requirement: 2000 nos.) Maintenance kit with o-rings and seals Reference materials for CHN and CHNS analysis.</p> <p>Should be supplied with high precision semi micro balance.</p> <p>Application, maintenance and analysis training for two users.</p> <p>Set of high purity (99.999%) Gas cylinders with regulator for carrier gas (2Nos cylinders +1 regulator), combustion gas (2 Nos cylinders +1 regulator) with all connection tubing to the instruments b) Suitable Branded Computer & Laser B/W printer c) Branded 5 KVA UPS with 1 hour backup. It should include batteries along with battery rack and accessories. d) Sample sealing unit and start up kit (includes copper tubings, spatula, gloves etc.</p> <p>5 years comprehensive warranty</p>
Basic Price of each	31880
Total cost of equipment	31880
Price after discount	31880



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Packing, forwarding and insurance charges (if any)	800
CIP price	32680
Local supplies	Rs.585000 + IGST@18%=Rs.105300/-
On Site Delivery price	€32680 (The company have waived customs duty against DSIR certificate, customs clearing charges and local transportation charges) Localsupplies of cylinders, regulators, computer, printer & online UPS with one hour backup= Rs. 585000 + IGST@18%=Rs.105300/- to be added to the onsite delivery price of equipment (€32680)



**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003**

GROUP B: FIELD MACHINERIES AND EQUIPMENTS

Tender SL No 1

Item: Seed Processing unit for Pulses (capacity 1.0-1.25t/hr) with gravity separator

Name of the Firm	M/s Radiant Equipment company,
Address of the firm	14, Raja Park, Ambala Cantt, 133001, Haryana, India
email	radiantec@rediffmail.com
Telephone	91-171-2891546, M-09315101546
Fax	91-171-2891545
GSTN	06AEWPG5841H1Z6
PAN	AEWPG5841H
Make	“REC” Seed Grader-Gold (Super) “REC” Specific Gravity Separator GDS 3 F2T “REC” VB elevator to feed gravity separator, “Revo” Bag Closing Machine-model:DA Phoenix platform type weighing scale (Smart 10) Weighing scale Model Nep 100A “A” grain digital moisture meter, “REC” electrical control panel,
Model	Gold, GS3F2T, DA
Total cost of equipment	9,38,000
Price after discount	9,38,000
Additional discount @3%	Rs.28140/-
Price after discount	Rs.909860/-
GST@5% on equipment	Rs.45493/-
Extended warranty/AMC	AMC 5 years (beyond 3 years) (1 st year 10% of total price, 2 nd year 15%, 3 rd & 4 th year 20% and 5 th year 25%)
On Site Delivery price (3 year warranty)	Rs.9,55,353/-

Tender SL No 2

Item: Mobile Seed Processing unit for Pulses (Capacity : 250-500 kg /hr) with gravity separator

Name of the Firm	M/s OSAW Agro Industries Pvt. Ltd.,
Address of the firm	PO Bag 5, agro Saw Complex, Jagadri Road, Ambala Cantt, 133001
email	agrosaw@agrosaw.com / agrosaw@rediffmail.com
Telephone	(0091)0171 2699167,354,547
Fax	0171-2699018
GSTN	06AAACO5198C1ZJ
PAN	AAACO5198C
Make	Agrosaw 250-500 kg/h with gravity separator Gravity separator Model G 1 (P) Bucket elevator Seed grader Model Junior III(P) Additional screen sets at least 5 sets 4 wheel Mobile trolley Silent DG set 10 kVA Complete with transportation, installation and commissioning



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Model	Junior III (P) and G1P
Total cost of equipment	11,45,160
Educational discount	11,452
Price after discount	11,33,708
GST@5% on equipment	56,685
Standard Warranty provided	3 years
Extended warranty/AMC	AMC 1 st year 65,490/- 2 nd year 78588/- 3 rd year 94305/- 4 th year 113166/- 5 th year 135800/-
Any other Taxes/ Charges (if any)	35,000 (installation, trial run)
On Site Delivery price (3 years warranty)	12,25,391

Tender SL No 4

Item: Tractor, 65 hp

Name of the Firm	M/s Mahindra and Mahindra Ltd
Address of the firm	Mahindra and Mahindra, Farm Division, plot No. 511, Mahindra Tower, 2 nd floor Rasulgarh, Bhubaneswar-751010, Odisha
email	pal.jyotirmaya@mahindra.com
Telephone	0674-7111819, M-9438838089
GSTIN	21AAACM3025E2ZA
PAN	AAACM3025E
Make	Mahindra Novo
Model	655 DI 4 wheel drive, dual clutch, power steering with cage wheel, hitch bracket and hood
Total cost of equipment	9,91,071
Price after discount	9,91,071
Packing, forwarding and insurance charges (if any)	9000
GST@5% on equipment	1,18,929
Warranty provided	3 years(1+1+1) for tractor(1st yr. on all parts, 2nd yr on engine, gear box and hydraulic system, 3rd yr on engine only)
Any other Taxes/ Charges (if any)	44,000 (registration)
On Site Delivery price (1 year warranty)	11,10,000 (with registration)
On Site Delivery price (without registration)	10,66,000



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Tender SL No .5

Item: Mini Tractor

Name of the Firm	M/s Mahindra and Mahindra Ltd
Address of the firm	Mahindra and Mahindra, Farm Division, plot No. 511, Mahindra Tower, 2 nd floor Rasulgarh, Bhubaneswar-751010, Odisha
email	pal.jyotirmaya@mahindra.com
Telephone	0674-7111819, M-9438838089
GSTN	21AAACM3025E2ZA
PAN	AAACM3025E
Make	Mahindra
Model	Jivo 245 DI-4WD (24 hp) power steering, cage wheel, hitch bracket and hood PTO speed : 540 rpm
Total cost of equipment	3,92,857
Price after discount	3,92,857
Packing, forwarding and insurance charges (if any)	8,000
GST@5% on equipment	47,143
Warranty provided	3 years(1+1+1) for tractor(1st yr. on all parts, 2nd yr on engine, gear box and hydraulic system, 3rd yr on engine only)
Any other Taxes/ Charges (if any)	22,000 (registration)
On Site Delivery price	4,40,000 (with registration)
On Site Delivery price	4,18,000 (without registration)

Tender SL No 7

Item: Rotavator for mini tractor

Name of the Firm	M/s Sheet Profile Company
Address of the firm	GosaniNuagan, Main Road, Berhampur, Ganjam 760003
email	sheetprofile.office@gmail.com
Telephone	9437576145
Fax	0680-2401145
GSTN	21AAMFS1533N1Z3
PAN	AAMFS1533N
Make	M/s Sheet Profile Company
Model	Prabhat 3.5 feet, gear type, multi gear, fitted with L-type/hatchet blades with carden shaft
Total cost of equipment	63,000
Educational discount	3,000
Price after discount	60,000
GST@5% on equipment	3,000
Standard Warranty provided	3 years
On Site Delivery price	63,000



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Tender SL No 8

Item: Tractor mounted combine harvester

Name of the Firm	M/s Mahindra and Mahindra Ltd
Address of the firm	Mahindra and Mahindra, Farm Division, plot No. 511, Mahindra Tower, 2 nd floor Rasulgarh, Bhubaneswar-751010, Odisha
email	pal.jyotirmaya@mahindra.com
Telephone	0674-7111819, M-9438838089
GSTN	21AAACM3025E2ZA
PAN	AAACM3025E
Make	Combine : Balkar combine Harvester Tractor: Mahindra
Model	Combine : B-525 Tractor : Arjun Novo (Suitable for operation with 57 hp tractor, cutter bar width: 3585mm, wheel type)
Total cost of equipment	15,84,821(including tractor model Arjun Novo 57 hp tractor)
Price after discount	15,84,821
Packing, forwarding and insurance charges (if any)	14,000
GST@5% on equipment	1,90,179
Standard Warranty provided	6 months for combine and 3 years (1+1+1) for tractor(1st yr. on all parts, 2nd yr on engine, gear box and hydraulic system, 3rd yr on engine only)
Any other Taxes/ Charges (if any)	60,000 (Registration)
On Site Delivery price	17,75,000 (with registration)
On Site Delivery price (without registration)	17,15,000 (without registration)

Tender SL No 23

Item: Millet destoner cum-aspirator cum grader

Name of the Firm	M/s Sheet Profile Company
Address of the firm	Gosaninuagan, Main Road, Berhampur, Ganjam 760003
email	sheetprofile.office@gmail.com
Telephone	9437576145
Fax	0680-2401145
GSTN	21AAMFS1533N1Z3
PAN	AAMFS1533N
Make	Sheet Profile
Model	The machine should be suitable for removing stones, impurities and grading of all small millets. It should also be suitable for other crops also Aspirator cleaner with cyclone separator for removing lighter impurities Size Separator attachment (at least two screens for three separation) Single phase motor operating at 230V Ac, 50Hz operation with motor, starter etc. Capacity: 50 to 200 kgs/h, Efficiency more than 90%.



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

	Extra Attachment: Separate screens for cereals and pulses
Total cost of equipment	1,95,000
Educational discount 2%+1%	10,000
Price after discount	1,85,000
GST@5% on equipment	9,255
Standard Warranty provided	2 years
Extended warranty/AMC	3 rd year @ 24,285
On Site Delivery price	1,94,255 (include 2 years warranty)



**ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003**

Annexure I

BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

The _____
Odisha University of Agriculture & Technology
Bhubaneswar 751003

WHEREAS (Name and address of the Supplier) (hereinafter called "the Supplier") has undertaken, in pursuance of purchase order no..... dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said purchase order that the Supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with and due performance of the contract;

AND WHEREAS we have agreed to give the Supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the Supplier, up to a total of Rs.

..... (amount of the guarantee in words and figures), and we hereby irrevocably and absolutely undertake to pay you immediately, upon your first written demand declaring the Supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Supplier before presenting us with the demand.

We agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the Supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

The Bank guarantee shall be interpreted in accordance with the laws of India.

The Guarantor Bank represents that this Bank Guarantee has been established in such form and with such content that is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

The Bank Guarantee shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank or the Supplier.

The Bank further undertakes not to revoke this Guarantee during its currency except with the previous express consent of the Purchaser in writing.

The Bank declares that it has power to issue this Guarantee and discharge the obligations contemplated herein, the undersigned is duly authorized and has full power to execute this Guarantee for an on behalf of the Bank. This guarantee shall be valid up to and including the day of, 20.....

.....
(Signature with date of the authorised officer of the Bank)

.....
Name and designation of the officer

.....
Seal, name & address of the Bank and address of the Branch



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Annexure II

BANK GUARANTEE PROFORMA FOR ADVANCE PAYMENT
(ON NON-JUDICIAL STAMP PAPER OF AN APPROPRIATE VALUE)

The _____
Odisha University of Agriculture & Technology
Bhubaneswar 751003

Dear Sir, we _____ (name & address of bank) hereby refer to the Purchase Order no____, dated _____ and pro-forma Invoice/Bill no _____ dated _____ between _____ (Name & address of indenting officer), herein after called as indenter and M/s _____, herein after called as supplier in terms of the tender No. _____ for supply of _____ with onsite delivery price of _____.

This guarantee shall be construed as an irrevocable, absolute, unconditional and direct guarantee for an amount of Rs. _____ without regard to the validity, regularity or enforceability of any obligation of the parties to the purchase order & proforma invoice/bill.

The _____, OUAT shall be entitled to enforce this guarantee without being obliged to resort initially to any other security or to any other remedy to enforce any of the obligations herein guaranteed and may pursue any or all of it remedies at one or at different times.

Upon default of the supply & successful installation and demonstration at indenter site, we agree to pay to the _____, OUAT on demand and without any demur the sum of Rs. _____ or any part thereof, immediately upon presentation of a written statement by the _____, OUAT that the amount of said demand is due from the Supplier to the _____ (Indenting officer), OUAT by virtue of breach of supply, installation & demonstration by the Supplier under the terms of the aforesaid purchase order & pro-forma invoice/bill. Notwithstanding any dispute or disputes raised by the supplier in any suit or proceeding pending before any Court or Tribunal relating thereto, liability under this present guarantee is absolute and unequivocal.

The determination of the amount due under the guarantee shall be in the sole discretion of the Dean, CAET, OUAT whose decision shall be conclusive and binding on us as guarantor. It is mutually agreed that the Dean, CAET, OUAT shall have the fullest liberty without affecting in any manner our obligation hereunder with or without our consent to vary any of the terms of the said purchase order or to extend the time for performance by the Supplier, from time to time any of the powers exercisable by the Dean, CAET.,OUAT against the Supplier and either to forebear or enforce any of the terms and conditions relating to the said Purchase Order and we shall not be relieved from our liability by reasons of any variation or any extension being granted to the Supplier or for any forbearance, act or omission on the part of the Dean, CAETH.,OUAT or any indulgence by the Dean, CAET.,OUAT to the Supplier or by any such matter or thing whatsoever which under the law relating to the sureties would but for this provision have effect of so relieving our obligation.

This guarantee is confirmed and irrevocable and shall remain in effect until _____ and such extended periods, which may be mutually agreed to.

We hereby expressly waive notice of any said extension of the time for performance and alteration or change in any of the terms and conditions of the said Purchase order. This guarantee will not be discharged due to change in constitution of the Bank or the Contractor. We _____ (Name of the Bank) undertake not to revoke this guarantee during its currency without written consent of the authority. This guarantee will not be discharged due to change in the constitution of the Bank or the Supplier.

Very truly yours,

(Name, Seal & Authorised Signature of the Bank and date)



ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR -751003

Annexure III

MODEL CERTIFICATE OF INSTALLATION

No. _____ Dated

1. Reference Contract No. date
2. It is certified that
 - a. M/s _____ have completed installation of _____ (name of equipment) on _____ [date(s)] and Site Acceptance Test (SAT) and other inspection & tests, as stipulated in the purchase order on, _____ [date(s)] to the satisfaction of the Purchaser and user at the designated site _____ (name of the site).
 - b. Records of SAT and other inspection & tests are annexed to this Certificate.
 - c. Sample test, Software, Instruction Manual & Technical Manual, Soft & hard copies of Documentation, etc. have been taken over (all documents required to be delivered at the time of SAT).

For Tenderer

For Purchaser

Witness:

Witness:

Signature

Signature

Name

Name

Designation

Designation

Address

Address

Date

Date