

Ref. No. PUR/17/14/5418-5443

Dated 20.02.2015

REGISTERED

Sub: Notice inviting quotation for purchase of items for FET dept.

This Institute intends to purchase different equipment as per specifications notified in “**Annexure – A**”. Please send your quotation to the undersigned in a sealed cover duly super scribed on envelop “Quotation for supply of items for FET dept.” so as to reach latest by closing date i.e. 12.03.15.

The Terms & Conditions are as under:-

- 1) It may be noted that quotation will be sent through registered/speed post only. The institute is located in a remote area and it takes 5 to 7 days to reach the mail, therefore, quotation be dispatched well in time to avoid any sort of delay.
- 2) Rate of ST/VAT if extra must be mentioned clearly.
- 3) The other terms & conditions for submitting the quotation are given overleaf which must be read carefully before submitting the quotation.
- 4) Quotation other than those addressed will not be entertained.
- 5) The Prices quoted must be FOR SLIET, Longowal.
- 6) Quotation must be sent on the letter head of the party.
- 7) As per instructions if purpose of quotation is not super scribed and quotation is opened by mistake then it may be rejected.

F. I/c (Purchase)

TERMS & CONDITIONS FOR QUOTATION

DELIVERY	The rate quoted must preferably be free delivery/F.O.R. Longowal after allowing the discount, if any. Where quoted extra ad-valorem rate payable, it should be clearly indicated. Supply should be made within the specified delivery period.
TERMS OF PAYMENT	Our normal terms of payment is within 30 days after receipt of stores in good condition by means of cheque/draft/RTGS
TAXES	No sales tax concession against Form C and 'D' is admissible to this Institute. However, 'Form E' certificate being an educational institute can be issued if sales tax concession is admissible.
EXEMPTIONS	Excise and customs duties are exempted to the institute. The relevant exemption certificate will be issued to the successful bidder only if the excise duty/custom duty is exclusively mentioned in the Quotation. In case the offered items are to be imported, the rates should be quoted in foreign currency on FOB basis. Basic duty as applicable under notification No. 51/96 customs dated 23.07.1996 as applicable shall be borne by the institute. If the price quoted is in foreign currency then payment shall be made through letter of credit against submission of B.G. of Min. 25% value of supply order, if the order value is more than US\$ 10,000 or through Telegraphic Transfer (TT) if the order value is less than US\$ 10,000 through Nationalized banks. The bank charges outside India should be borne by the Beneficiary. Clearance at customs will be arranged by us but you will assist our clearance agent. In case of indigenous item the price must be quoted in Indian Rupees and 100% payment will be made only after successful installation, testing and commissioning of equipment. No advance payment will be made.
DIRECTOR'S RIGHTS	Director, SLIET, reserves the rights of acceptance or rejection of any or all quotations. The discretion for increasing or decreasing of the quantities also rests with him. SLIET also not bind itself to accept does the lowest price. In case of any dispute, the decision of Director SLIET will be final & binding.
VALIDITY OF QUOTATIONS	Quotations will be considered valid for 03 months from the date of quotation
CORRESPONDENCE	No correspondence regarding acceptance/rejection of a quotation will be entertained.
SAMPLE/BRAND/MAKE/ E/ WEIGHT	Sample where asked for, will invariably be made available and sent along with the quotations. However, Brand/Make/Weight etc. must be mentioned clearly in the quotations. Technical literature/pamphlet should also be enclosed.
REJECTION	Quotation not confirming to the set procedure as above will be rejected.
DISCOUNT/REBATES	A special discount/rebate wherever admissible keeping in view that the supplies are being made for education purpose in respect of Public Institution of national importance may please be indicated.
	Conditional, telegraphic quotation shall be rejected out rightly.
	SLIET shall not be held responsible for any postal delay in sending or late receipt of quotation.
	Quotation should be free from corrections & erasures. <p align="right">Faculty I/c (Purchase)</p>

“Annexure – A”

S. No	Description with complete specification	Quantity
1	<p>Heating Mantle unit Specifications: 1.4 series mantles sizes available from 100 ml to 1000ml. 2. All Multi-positional Mantles are fitted with individual energy regulators with indicator light for each heating surface, 3.LED Display for Temperature: Intelligent constant temperature, inner and outer sensor. With set-point temperature Display 4 . Reduce and Add Knob for each position: with automatically switch off after achieving set temperature Control Accuracy $\pm 1^{\circ}\text{C}$, Temperature Display Accuracy 0.01°C For upto 99.99°C and 0.1°C for above 99.99°C 5. Built-in temperature control maintain element temp from ambient to 380°C. adjusting heating mantle temperature, Accuracy 5°C, with stands and holders for sample and all necessary accessories to make the instrument functional, 2 year extended warranty</p>	01
2	<p>Zeleny sedimentation test equipment Specifications: Mill for approx. 100-200 g of wheat grinding for the Zeleny sedimentation test, Shaker, Automatic dosing device, Shaking cylinder, with Chemicals for Zeleny Test: Isopropyl alcohol (99 - 100%), • Lactid acid stock, • Bromphenol blue solution. Along with all the necessary assessorries to make the equipment function properly, 2 year extended warranty.</p>	01
3	<p>Vortex Mixers Specifications: Powerful motor for instant vortexing, Q-Drive dynamic balance system, Touch or continuous operation mode, Variable speed control from 200 to 3200 RPM, vortex mixers use orbital shaking in adjustable (MX-S) sockets, Operating Temp. Range: $4-65^{\circ}\text{C}$, Electrical: (230 V AC, 50 Hz, 0.75A), Warranty: 2+1 Years, Dimensions: 13 x 16 x 17cm, Weight: 3.8 kg with all the accessories to make the equipment functional and properly applicable.</p>	01
4	<p>Slab Dual Mini Gel Electrophoresis (SDS PAGE) Specifications: Complete system to run two mini gels at a time Dimensions: 13cm (L) x 16cm(B) x 12cm(H), No. Of Samples: 14, Buffer Volume: 500ml (including upper and lower tanks) Supplied with provision for water circulation. Basic unit with Platinum Electrode, Glass Plates notched & rectangular to run two nos. of 8 x 7cm gels (3 Sets), 7-well polished Teflon comb with thickness of 1mm and 1.5mm (2 Nos. each) (Well width 7mm and Inter-space of 3mm), Teflon spacers with thickness of 1mm and 1.5mm (6 Nos. each), Gel Casting Stand (2 Nos.), Supporting Clamp (2 Nos.), Screws (14 Nos) and Metal Clips (4 Nos), Lid & Power cord (1 No. each), spirit-level indicator and there are clear markings to indicate Buffer level in both the lower and upper tanks, User Manual, with all accessories to make the equipment proper functional, extended warranty 1+2 years.</p>	01
5	<p>Digital Magnetic Stirrer with Hot Plate Specifications: Variable stirring action from the speed from 100- 1400 rpm with speed accuracy of $\pm 2\text{rpm}$. Teflon rotor, Stainless steel top plate bearing medium temperature maximum 250°C with an accuracy temp setting of $\pm 5^{\circ}\text{C}$ control Digital temperature controller with an accuracy setting of $\pm 5^{\circ}\text{C}$ with the facility of Safety circuit hot plate 25°C over. Complete with stands and clips, magnetic stirrer, pilot lamp, plug-cord, speed regulator continuously variable, digital temperature controller, on-off switch. To work on 220 VAC 50 Hz single phase. With all accessories to make the equipment functional 2 year extended warranty</p>	01
6	<p>Oil free vacuum pump Specifications: Compact oil free pump, reciprocating design for vacuum or pressure, Oil-less (dry), non-lube piston and cylinder Lightweight die cast aluminium components or highly wear-resistant plastic, Single stage and multistage models , Balanced for low vibration operation ,All wetted aluminium parts treated for corrosion protection from moisture, Long life, high, performance piston seal, Permanently lubricated bearings. Flow rates up to 6.6cfm (187 l/min), pressure to 160psi (11bar), vacuum down to 30.0 in. Hg, Suitable for vacuum drying of food materials during vacuum oven drying. With all accessories to make the equipment functional, 2 year extended warranty. 0.5HP motor.</p>	01
7	<p>Refrigerator Specifications : 310 liters , frost free refrigerator with power cut ever cool & new smart inverter compressor technology 4 star rating, Smart inverter compressor, 4-way cooling, Eco-friendly refrigerator, Convertible box</p>	01
8	<p>Analytical balance Capacity : 220 gms, Readability : 0.1 mg, Pan size : 90 mm dia, Perfect Self Calibration, Built-in Calibration Weight, Back lighted Display, Monolithic technology based weigh cell, Rectangular all Glass Draft Shield</p>	01

	opening from three sides, Analog Display, Operation Ambient Temp. : 5 to 40 deg C, Temperature coefficient of sensitivity : +/- 2 ppm/deg C ,Sensitivity stability against temperature : +/- 2 ppm RS-232 Interface Windows Direct	
9	<p>Trinocular Compound Microscope</p> <p>UIS2(Universal Infinity System) optical system, Rackless or ball bearing mechanical stage for durability and ease of use, Quadruple revolving nose piece, Wire movement mechanical stage:120x132mm Traveling range: 76mm(X) 30mm(Y), High performance aspheric lenses in Abbe condenser and the light relay system, Window in the arm section to observe the specimen with naked eye & through the natural light by using reflector, Universal power supply (100V to 240V) 50/60Hz volgate imported for LED illuminator,Anti fungus optics Plan Achromatic objective 4X, (N.A. 0.1, W.D 18.5mm) 10X (N.A. 0.25, W.D 10.6mm), 40X Spring (N.A. 0.65, W.D 0.6mm) & 100X Spring, oil (N.A. 1.25, W.D 0.13mm) with interchangability & course focus in both sides, 10x eyepiece field number 20 (antifungus), FN 20) with ergonomic design frame for all main operating controls within easy reach,30 degree inclined binocular tube interpupillary distance adjustment range 48-75mm, with abbe type aperture iris diaphragm condenser, microscope should be upgradable for incident light LED fluorescence techniques.</p> <p>Photographic attachment: High resolution 5-Million Pixels, 1/2.5" USB CMOS color Camera and with Magnus C-mount optically corrected & compatible microscope adapter with 0.5X optical adapter. Camera & Software Features: Camera: Simple connectivity, Ease of use & installation, Electronic shutter control (no moving parts) Single-cable operation (no external power supply or control unit), Portability with laptop computer (Computer Platforms/Operating Systems Windows7. Auto/manual adjustments: Shutter 1/10000 to 30s, Gain 0 to 18dB, white balance -6dB to +6dBSoftware:Real-time preview & capture advanced color management color correction algorithms ensure accurate true color imaging. Background and dark field correction. Auto-exposure, auto white balance, auto contrast (dynamic and manual controls)</p>	01
10.	<p>Refrigerator</p> <p>Double door, capacity 285 litre, 5 Star Energy Rating, Stabilizer Free Operation.</p>	01
11.	<p>Hot Air Oven</p> <p>Heat Circulation : Wall mounted Fan Assisted</p> <p>Usable Volume : 4.5 cubic feet</p> <p>No. of Shelf's : 2 Stainless Steel Shelves (Detachable)</p> <p>Maximum Temperature : Ambient to 250 °C</p> <p>Digital display with PID controller</p> <p>Least Count : 1 °C</p> <p>Accuracy : +/- 2 °C</p> <p>Heater Capacity : 1000 watt x 2 Heaters = 2000 Watt</p> <p>Electric Supply: 220 + 10% Volt. 50 Hz Single Phases. AC.</p> <p>Rate of Heating Thermostat 20 % : 1° C Per 1 ½ Minute</p> <p>Thermostat at 50 % : 2° C Per Minute</p> <p>Thermostat at 100 % : 3° C Per Minute</p>	01
12.	<p>Water Bath With Shaker</p> <p>Temperature range: ambient to 100°C, Electronic digital temperature indicator with an accuracy of $\pm 0.5^{\circ}\text{C}$. Thermostat, double walled inside made of SS body, shaker arrangement, shaking tray inside (275 x 275 x 150 mm), shaking speed range from 40 to 140 rpm, Shaking racks made of SS to hold 5 number flasks (250 ml capacity), test tube rack for holding 25 ml test tubes.</p>	01
13.	<p>Vortex</p> <p>Type of movement; Orbital</p> <p>Shaking Diameter: 4mm</p> <p>Permissible shaking weight (including attachment); 0.4 kg</p> <p>Motor rating input/output: 58/10w</p> <p>Speed range: 500-2500rpm</p> <p>Speed display scale:0-6</p> <p>Operating mode: continuous/touch operation</p> <p>Dimensions:127×149×136mm</p>	01

14.	<p>Centrifuge Soft Touch Keypad. Brushless low noise AC Induction Motor with variable frequency drive. 25 program memory. LCD Display of Speed & time. 1-99 minutes Digital timer & infinite mode. Programmable Acceleration / Deceleration (range 40- 450 seconds) Dynamic Brake. Solenoid Safety Lock. Speed:7000-10000rpm Tube size :100ml, No. of tubes:8</p>	01
15.	<p>Analytical balance Capacity : 220 gms Readability : 0.1 mg Pan size : 90 mm dia Perfect Self Calibration Built-in Calibration Weight Back lighted Display Monolithic technology based weigh cell Rectangular all Glass Draft Shield opening from three sides Analog Display Operation Ambient Temp. : 5 to 40 deg C Temperature coefficient of sensitivity : +/- 2 ppm/deg C Sensitivity stability against temperature : +/- 2 ppm RS-232 Interface Windows Direct.</p>	01
16.	<p>pH meter Microprocessor based potable and laboratory, digital display, Resolution: 0.01 pH, 3 point calibration, touch control operations.</p>	01
17.	<p>Gerber Centrifuge Electrically Operated Capacity: 12 Butyrometers Timer (0 - 5 Minutes) Mechanical Brake Protective cover Fixable to the platform Speed Indicator Espesial Geared Motor at 1100 rpm (ISO Standard)</p>	01
18.	<p>Digital Temperature Indicator *Input J,K, R,S thermocouple, Pt100 site programmable; *No. of Channels: Single or Dual. *Resolutions: 0.1 °C *Power Supply: 230 V AC (portable). *Temperature range: -100.0 to +199.9°C with resolution of 0.1°C.</p>	04
19.	<p>Digital Temperature Indicator (non-contact) infrared type Auto power off; -20°C to 250°C temperature range</p>	04

20.	PID Microprocessor based Digital Controller with Sensor Calibration accuracy: $\pm 1^{\circ}\text{C}$; Sensor type: T/C J, K, T, L, N, R, S, B, P; RTD PT100	02
21.	Hot air Oven (With PID Controller) Equipped with PID temperature controller; speed regulated fan. Stainless body; Chamber size (16"x16"x16")	01
22.	Shaking Hot water bath Double walled; SS body; Stand for sample holder (4 and 8 samples); Digital temperature display. Size: 28"x18"x12"	01