

REGIONAL INSTITUTE OF EDUCATION, MYSURU – 570 006

TENDER NOTIFICATION

Sealed Tenders are invited in the prescribed form from the registered / reputed firms for supply of LAB EQUIPMENTS/APPARATUS /GLASSWARES as mentioned below in dual/two bid system Technical and Financial bids. The same can be down loaded from the Institute Website www.riem.ac.in.

SL No	Name of the Items	Qty required
1	LED bulbs for microscope 250W 24V	10
2	TLC kit	01
3	Dissection Box	04
4	Digital egg incubator	01
5	Objective piece 40X	10
6	Binocular (Educational Microscope).	02
7	Stainless steel Water distillation unit	01
8	Stuart melting point apparatus SMP30 220000	01
9	Rotovapor	01
10	Chiller	01
11	Molecular model Kit standard	01
12	Glass -Col Stirrermantle (250ml)	02
13	Vacuum desiccator science ware (polycarbonate)	01
14	Calomel electrode	01
15	Platinum electrode	01
16	LCR meter	01
17	Digital Q meter	02
18	GM tubes (tubes only)	02
19	Babinet compensator	02
20	Laser Raman Spectrometer	01

21	Arc Spectrum experimental setup	03
22	Discharge tubes with power supply	04

01. Tenders can be downloaded from 12-02-2019.
2. Last date for Receipt of filled in Tender documents both Technical and Financial bids 05-03-2019 by 1 P.M
3. Opening of Technical bid: 05 -03-2019 by 3 P.M in the Conference Room of the Institute
4. Opening of Financial bid: 06 -03- 2019 by 3 P.M in the Conference Room of the Institute
5. Tender received after the stipulated due date & time will not be entertained.
6. Principal, RIE Mysuru has the right to reject any or all tenders without assigning any Reason whatsoever. Legal jurisdiction for this tender shall be Mysuru City only.

PRINCIPAL

Technical Bid for the purchase of Lab Items 2018 -19



REGIONAL INSTITUTE OF EDUCATION

(National Council of Educational Research & Training)

Manasagangothri, MYSURU – 06, Ph: 0821-2511411

Reference tender Notification dated: 12-02-2019 published in Institute Website www.riemysore.ac.in

**TENDER APPLICATION FORM FOR SUPPLY OF LAB
EQUIPMENTS/APPARATUS /GLASSWARES for RIE, MYSURU.**

1. Name of the Proprietor :
2. Nationality :
3. Name of the Firm :
4. Address (with pin code) :
5. K.S.T. Registration No. (If any) :
C.S.T, Registration No. (If any)
T.I.N Number ----- (If any)
GST Number ----- (If any)
(Enclose copy of Registration)
6. If original Manufacturer, address of the:
Manufacturing unit. (Enclose certificate) :
7. If Authorised Agency of the Original manufacturer :
(Enclose certificate)
8. Name of the Institution / Organisation/Banks
Etc., to which you have supplied Furniture in
The past, if any. :
9. Name and date of Demand Draft for Rs-10, 000/- :
Number
Date.....
E.M.D. from any Nationalised Bank , Name of the
Bank.....
10. Rates to be quoted per piece/unit
(Both in figures & words): with reference to :

Description of the materials

SI No	Name of the Apparatus	Specification
01	LED bulbs for microscope	250Watts 24Volts
02	TLC kit	Having Perspex sheet Drawing board , Applicattor (Aluminium) Drying rack, Developing chamber (glass) carrier, spotting jig, Micropipet , 8 no's, Glass plates (20x20)
03	Dissection Box	17 instrument
04	Digital egg incubator	<ol style="list-style-type: none"> 1. Temperature range ambient to 70°C controlled by imported thermostat with accuracy -0.5 °C unit provided with manual tilting device for Egg Trays. 2.To work on 220V AC 3. Microprocessor based PID type Digital Temperature controller and LCD display. 4. Inbuilt Digital Timed Temperature Over shoot alarmed. 5. Automatic Fan on/off functioning 6. Capacity :50Eggs 7. Standard Double Wall construction 8. Inner chamber made out of highly Polished Aluminium. 9. Manual tilting of eggs.
05	Objective piece 40X	Student compound microscope suitable to Olympus compound HAS modelled.
06	Binocular Educational Microscope.	Model code:LX-300 (LED)
07	Stainless steel Water distillation unit	<ol style="list-style-type: none"> 1 Manesty type 2 4 Liter /Hr output capacity 3 use of 3 kw heater load support 4 220/230 Volts A.C supply
08	Stuart melting point apparatus SMP30 2200001	<p>1The SMP30-3 samples simultaneously-optimised heating block- hold 8 results per tube in its memory. To allow maximum flexibility a plateau facility is included with variable ramp rate between 0.5 and 10°C in 0.1°C increments. The tubes are illuminated with bright white LED's to give the clearest view of the samples during the melt. The block has been designed for easy access for cleaning.</p> <ul style="list-style-type: none"> •Maximum temperature 400°C •Head up display •Integrated cooling 350°C to 50°C in 10 minutes •Large easy to read user friendly interface <p>a pack of 100 melting point tubes, closed at both ends</p>
09	Rotovapor,	<p>ROTOVAPOR</p> <p>Specs: main unit with driving part-vertical double helix condenser, oil bath-inner</p>

		<p>dimention-220idx120h, capacity-3 L, heater 1.05kW, E type condenser: Vertical double helix condenser with built-in adapter (cooling area 0.117m²) Rotary joint: 29/38, ID 18xL 178mm Sample flask (Eggplant shape): 1L 29/38 Receiving flask (Round bottom shape): 1L Ball joint S35/20, rotation speed 10-310 rpm, jack function-jack stroke180mm-stepless, motor-blushless DC motor. Rotation speed speed setting and display.</p>
10	Chiller	<p>Chiller suitable for Buchi R300 rotovapor Recirculating Chiller F-305 500W, support for 1 rotovapor, automatic start and stop when used with rotovapor R300 rotovapor. Temperature range -10 to 25 °C. Hose clamp 4, power cord 1, Temperature Supply voltage-230 VAC, frequency 230V, 115V, temperature display 0.1°C, refrigerant 30g, temperature regulation accuracy+ or -1°C, tank volume 3L, pressure 0.6 bar, flow rate 2.5 L/min, hose connections 8mm, refrigerant- R134a,</p>
11	Molymod Molecular model Kit standard	<p>Molymod Molecular model set Moly mod mms- 006 number of Atoms – 156 number of bends – 160 Molymod Molecular model set Moly mod mms- 004 number of Atoms – 106 number of bends – 86</p>
12	Glass -Col Stirrmantle (250ml)	<p>Glass-Col stirrmantle Electrical stirrmantle Bi-directional stirring speeds up to 520rpm • Stir bar “auto-recapture” function • Cool-to-the-touch design • Element temperature 450°C • Built-in energy regulator • Replaceable insulated heater cartridge • Indicator lamps for power and heater operation • A chemically resistant plastic outer casing • A grounded earth screen and double fuses for added safe. Solid-sate magnetic stirrer. Stainless steel mesh screen protect from shock hazards due to spills or flask breakage. V-Shaped Mantle with Stainless steel liner.</p>
13	Vacuum diseccator science ware (polycarbonate)	<p>Vacuum desiccator polycarbonate- 262mm diameter with ptfе stopcock-leak proof, without gasket, 230mm desiccator plate.</p>
14	Calomel electrode	Calomel electrode
15	Platinum electrode	Platinum electrode

16	LCR meter	4 1/2 digit display, 0.1% accuracy, DC bias capability. Interface : RS232 or IEEE-488, built-in Eleven frequencies in 1,2,5 steps to 100kHz, Binning and Deviation capability, Test parameter : Z , Y ,C,L,D,Q, θ (DEG), θ (RAD), $\Delta\%$, DCR
17	Digital Q meter	Special LCD screen displays multi parameter like a menu: Q value, test frequency, tuning state, etc. Digitized Q value presetting which raises the reliability and while measuring in batches. Separated signal source output (from 50 KHz to 150 MHz), the meter is also a 150 MHz synthesis signal source with frequency accuracy ± 50 ppm and stability ± 10 ppm. Working Frequency Range: 50kHz – 150 MHz 5- digit significant display. Q Measurement Range: 1 – 1000, 1-30, 10 - 100, 30-300, 100-1000 in 4 ranges. Inductance Measuring Range : 0.02 μ H- 200mH, Tunable capacitance range : 13pF-220pF, Capacitance measuring rang : 1pF-200pF, Q Pre-setting Function : Q present range : 5- 999
18	GM tubes (tubes only)	Halogen Quenched End Window GM Detector, operating voltage – 500V, very wide plateau length, plateau slope- better than 6% per 100V. enclosed in a PVC cylindrical enclosure for protection, MHV socket provided on one side of the PVC enclosure to facilitate to connect to detector socket on rear panel of the counting system, Operating Voltage : Range : (450 – 600V), Tube Dimensions : Max.overal length 2.125 inches, Max. Diameter:0.59 inches, Gas filled : Ne + Hal, End Window : mica 2.0 mg/cm sq. Density, Gamma Sensitivity : 18 cps / Mr/ hr.
19	Babinet compensator Accessories (excluding Babinet compensator)	Optical Rail : Length – 500mm, Material – Black anodized Aluminium alloy, Mount for Babinet compensator, Polarizer with mount – Material-Sheet Polarizer, Rotation – 360 degree, Resolution-1 degree, Analyzer with mount – Material-Sheet Polarizer, Rotation, 360 degree Resolution – 1 degree, Diode laser with power supply – Wave length – 650nm, Optical power -3 mW, Detector with output measurement unit-Sensor Type – Photo Transistor, Display-7 segment, 3 1/2 digit, Range – 0- 199 milli/micro amperes, Sample with mount

20	Laser Raman Spectrometer	Spectrometer D / f-1 /6, Grating – 1200 1/mm, Entrance slit – 0 – 2mm adjustable. Wavelength Range – 320 -1050nm (Spectrometer). Raman Spectrum – 200-4000cm ⁻¹ , Laser Source – DPSS 532nm low noise laser, 785 nm laser (optional)- Output Power - > 200m W, variable power, Wavelength Accuracy - ± 0.1 cm, Wavelength Repeatability - ≤ 0.5cm, Resolution - ≤ 2cm ⁻¹ at 532nm, Rayleigh Filter, 17nm bandwidth Notch filter, CCD detector, High sensitive CCD detector 3648 element, hermetically sealed vacuum cooled down to – 30°C, Signal to noise ratio, 500 : 1, A/D Resolution, 12 / 16 Bit, Exposure Time – 0.1- 6500ms, Optics – Protective aluminium coated mirrors and aspherized achromatic lenses optimized for VIS-NIR range, Objective lens-Aspherized achromatic 0.45N A Objective Lence with 10mm W.D, Sample holder- Accommodate standard 10mm cuvette, custom sample holders, Sample positioning XYZ micrometer with step resolution of 10 micron.
21	Arc Spectrum experimental setup	Model: Computer interfacial Model (For Digital Picture) Wavelength:400-700nm LCD Display Spectrometer digital : CDS Model DCDS - 1211 Light Sensor: Photo Diode Display: Wave length in non-meter and spectral line intensity in volts Arc Stand: Stand to hold electrodes with proper insulation. Arc power supply: 75V/5A regulated power supply. Photograph: stand is fitted to the eye piece for photograph; any digital camera which fits in the stand may be used. Electrodes: Copper, Iron and Zinc
22	Discharge tubes with power supply	Discharge tubes Hydrogen, Neon Nitrogen Oxygen Power Supply Output Voltage :2-6 .5KV, Output Current :10mA, Voltage variation: Potentiometer, Version: Solid state

II -Terms & Conditions

01. Rate quoted should be in conformity with the stipulation/ Specification laid down in the Tender document.
2. Each firm or the supplier representing should submit a single tender only.
3. Supplier should submit Technical and Financial bids separately.
4. All the tender covers should be fully sealed and super scribed as TENDER FOR SUPPLY OF LAB ITEMS AND APPARATUS and sent either by Registered post with Acknowledgement Due or in person by obtaining a receipt.
5. Tender submitted without enclosing the Demand Draft for Rs-10, 000/-drawn in favour of Principal Regional Institute of Education Mysuru, from any nationalized bank towards Earnest Money Deposit will not be accepted.
06. Before executing the full supply, a sample of the item/items has to be made available for inspection by the duly constituted Committee and got approved.
07. Supply of all the items should be made at RIE, Mysuru within the stipulated time.
8. Concession of GST rate to be extended as the Institute comes under Department and Laboratories of the Central Government and state Governments, other than a Hospital Which can avail the concessional GST rate of 5%?
9. Specific Guarantee period against manufacturing defects, etc. should be furnished in the tender form itself.
10. The successful tenderer/s should deposit a minimum of 5% of the total orders towards Security Deposit at the time of awarding the supply order in the form of Bankers Cheque/ Demand Draft drawn in favour of Principal Regional Institute of Education Mysuru from any Nationalized bank, which will be refunded only after the expiry of the Guarantee period.
11. Any defects or loss sustained out of such supply made by the successful tenderer will have to be made good by the Tender during the guarantee period.
12. Tenders without acceptance of the terms and conditions stipulated above are liable to be rejected.
13. Agreement of the contract shall be submitted for mutual understanding.
14. Certification that the firm is not blacklisted/ Debarred from CEO of the firm/Notary should be submitted along with the Tender Document.

Principal, RIE, Mysuru has the right to reject any or all tenders without assigning any reason. Legal justification for this tender will be Mysuru City only.

The above terms & conditions are acceptable to me.

Signature of the Tenderer with date and seal

**Financial Bid for the purchase of Lab Items 2018 -19:
To be enclosed in separate cover**

SL No	Name of the Items	Rate/unit in Rs
1	LED bulbs for microscope	
2	TLC kit	
3	Dissection Box	
4	Digital egg incubator	
5	Objective piece 40X	
6	Binocular Educational Microscope.	
7	Stainless steel Water distillation unit	
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