

QUOTATION CALL NOTICE

Sealed quotations in plain paper/letter are invited from the intending registered firms having valid PAN Card and GSTIN for procurement of Science Laboratory Equipments for Remuna Degree College, Remuna, Balasore. The envelope containing the quotation would please be sealed and super scribed as "QUOTATION FOR SCIENCE LAB. EQUIPMENTS". Detailed specifications, terms & conditions are as given under. The firm must quote unit price with specification inclusive of taxes for the items as mentioned below to the undersigned on or before 27.09.23 by 2p.m. The quotations will be opened on 27.09.23 at 3.00 P.M. Parties of their authorized representatives may be present at the time of opening of quotations.

The quotationers shall quote their price, copy of valid documents i.e. Valid PAN card & GSTIN failing which their quotations shall not be taken into consideration. The quotations received incomplete in any shape or after the scheduled date and time shall be summarily rejected. The undersigned reserves the right to reject any and or all the quotations without assigning any reason thereof.

DEPARTMENT OF PHYSICS

LIST OF APPARATUS FOR

(Brand: Spancotek/Omega India-Ambala/Indosaw)

| SI No. | Experiment Name & Technical Specification |
|--------|---|
| 1 | Travelling Microscope Technical Specification: Travel: Horizontal Travel 170mm, Vertical Travel 100mm , Least count: 0.01mm , Working Distance: 50mm, Eyepiece Ramsden: 8x, Reticle: 90° Cross on glass |
| 2 | To determine the Modulus of Rigidity of a Wire by Maxwell's Needle Technical Specification: Hollow cylindrical brass tube of length 40cm, Maxwell's needle, Wall Bracket, Wire, Screw Gauge: Material: Stainless Steel, Range: 0-25mm, Finish: Metallic, Meter Scale- 1 meter (wood), Digital Weighing Balance: Body: Plastic, Capacity: 700g, Least Count: 0.1g, Stopwatch: Count: 1/100 second, Time display: Hour, Minute, Seconds & Telescope (Optional) |
| 3 | Spring Constant Apparatus Technical Specification: Adjustable scale on stand, Helical spring with pointer, weight & Stop watch (Optional) |
| 4 | To determine the Planck's constant using LEDs of at least 4 different colours. Technical Specification: DC Supply :0-5V/150mA, DC Voltmeter : 0-5V DC Ammeter: 0-2000µA, LED : RED-630nm, YELLOW-578nm, BLUE-436nm, GREEN-546nm |

DEPARTMENT OF ZOOLOGY

LIST OF APPARATUS FOR

(Brand: Novel/Spancotek/Prime)

| SI No. | Experiment Name & Technical Specification |
|--------|---|
| 1 | Lite Microscope Technical Specification: Head: Binocular, 360°rotating, 30° inclined, Eyepieces: Wide Field 10x/18mm, Objectives: Achromatic 4x,10x,40x,100x, Stage: Mechanical stage: 50x75mm with specimen holder, Focusing: Coaxial coarse and fine focusing mechanism with limit stop, Condenser: N.A. 1.2 with diaphragm adjustable height, Illuminator: 1W LED. |
| 2 | Autoclave (Vertical) Technical Specification: Capacity: 40 liter, Size: 12"x20", Load: 2.0KW, Autoclave Vertical with both inner chamber & wall of S.S., It is used for sterilization under saturated steam pressure at any selected point between 10 to 20psi (adjustable), These are double walled units with inner chamber (Boiler made of 18 S.W.G. stainless steel and outer chamber is covered with S.S lid is tightened by wing nuts/radial locking system., Fitted with neoprene rubber gasket, all systems are hydraulically tested up to 20 psi, as a safety measure, All autoclaves are fitted with standard accessories such as water indicator, pressure gauge, steam release cock, spring loaded safety valve and heating element, supplied complete with S.S. basket, Cord and plug to work on 220/230 volts A.C. Supply |
| 3 | Slide of Meiosis Technical Specification: Set of Twelve slide set |
| 4 | Compass |

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18/09/23

DEPARTMENT OF BOTANY

LIST OF APPARATUS FOR

(Brand: Denver/Contech/Pragati)

| Sl No. | Experiment Name & Technical Specification |
|--------|---|
| 1 | Weight Balance Technical Specification: Max Capacity: 220gm, Readability: 0.001g, Tare Range: Full, Repeatability: ± 0.001 g, Linearity: ± 0.002 g, Pan Size: 85mm, Stabilization Time: 2-3 sec, Communication: RS-232, Calibration: Automatic External Calibration, Weighting Units: Multi weighing units, Power: DC9V/500mA with 6V/1.3Ah rechargeable Battery Backup, Display: Large LCD Display with back light, Working temperature: 10-40 degree C, Automatic External calibration, 2,00,000 internal resolutions, Easy to read LCD display with back light, Multifunction weighing units as like g, ct, etc., Full tare range up to max capacity of the balance, Counting weighing functions, Standard RS 232 C interface, S.S. weighing pan, Level indicator, Adjustable fit, In built rechargeable battery for continuous use, Zero tracking function with battery back-up |
| 2 | Digital pH Meter- Microprocessor based Technical Specification - pH range: 0-14 Ph, pH resolution: 0.01pH, pH Accuracy: ± 0.02 pH, Temperature compensation: Automatic or Manual, Temp. Range: 0-100 deg C, mV range: ± 1999 mV, mV resolution: 1mV, mV Accuracy: ± 1 mV, Electrode: pH combination electrode with built in temperature sensor - Plastic-EpHPO2, Temp. Electrode: Built in, pH, mV and temp. Measurement, 3 point ph calibration, automatic buffer recognition, Buffers selectable from 1.68pH, 4.00pH, 4.01pH, 6.86pH, 7.00pH, 9.18pH, 9.20pH, 10.01pH and 12.45pH, Bi directional RS 232 interface. Baud rate selectable from 1200, 2400, 4800 and 9600, Real time clock, Memory storage of 100pH measurements |
| 3 | Willmott Bubbler |
| 4 | Ganong's Potometer |
| 5 | T/A Apparatus |
| 6 | Chromatography Chamber with Paper |
| 7 | Ocular Micrometer |
| 8 | Stage Micrometer |

DEPARTMENT OF CHEMISTRY

LIST OF APPARATUS FOR

(Brand: Omega India-Ambala/Spantocetk/Br Biochem/Pragati/Spectronics/Prime)

| Sl No. | Experiment Name & Technical Specification |
|--------|--|
| 1 | Chromatography Apparatus |
| 2 | Atomic Model (Big Size) |
| 3 | Capillary Tube |
| 4 | Fussion Tube |
| 5 | Mortor & Pastle 3" |
| 6 | Pipette 1,2,5 & 10ml (Measuring Type) |
| 7 | Paper Chromatography Apparatus |
| 8 | Battery 2 Volt |
| 9 | Resistance Box 1-5000 ohm's |
| 10 | Calomen Electrode |
| 11 | Thermoset |
| 12 | Induction Coil |
| 13 | HOT AIR OVEN - 14x14X14 Outer MS & Inner SS Technical Specification: Size: 14"x14"x14", Temperature upto 250, Accuracy ± 1 , C double walled inner chamber of anodized Aluminum/ Stainless Steel, Elements on three sides |
| 14 | Lab Freezer Technical Specification: Temperature: 4 deg. C, Total Volume: 184/190 liters (Above), Type: Direct Cool, Ice magic Power cool, Insulated Capillary Technology, Home Inverter, 10 year warranty on compressor, Door Type: Single Door (Make: Whirlpool/ Hair) |

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DEPARTMENT OF GEOLOGY


LIST OF APPARATUS FOR

(Brand: Omega India-Ambala/Spancotek/Br Biochem/Pragati/Spectronics/Prime/Novel)

| Sl No. | Experiment Name & Technical Specification |
|--------|---|
| 1 | Megascopic Rock samples (Igneoes, sedimentary & metamorphic) |
| 2 | Megascopic Mineral Sample |
| 3 | Ore Sample |
| 4 | Crystal models |
| 5 | Fossil |
| 6 | Hardness Box |
| 7 | Sample Plate |
| 8 | Geological hammer |
| 9 | Brunton compass |
| 10 | Pocket lens |
| 11 | Petrological Microscope (Novel) Technical Specification: Polarizer mounted below the condenser, Magnification: 4x,10x,40x |
| 12 | Ore Microscope (Novel) Technical Specification: Stage - Compact ball-bearing rotating stage, 140mm diameter, graduated with vernier, lock and stage specimen clips, Focussing - Separate knobs are provided for coarse and fine focussing adjustments, Transmitted illuminator - Plano-concave mirror diameter 50mm mounted on gimble mount, interchangeable with sub-stage 15W lamp for 220V or 110V, Incident illuminator - with pre-centred 20w tungsten hologen source and electric tranformer with intensity control input voltage 220v or 110 volts, Objectives - Achromatic, Semi-plan Objectives P-4x, P-10x and P-40x SL, Eyepieces - Widefield Eyepiece WF-10x and H5 Cross & H10x micro, Polarizer - Fully Rotatable Polarizer on strain free adobe-condenser N.A. 1.25 with iris-diaphragm |
| 13 | Thin sections of rocks & minerals |
| 14 | Polished section of rocks |
| 15 | Toposheet |
| 16 | Geological map of Odisha & India |
| 17 | Diagonal scale |

TERMS & CONDITIONS/DOCUMENTS TO BE SUBMITTED:

1. Registration Certificate.
2. Authorised Dealership Certificate
3. EPM rate contract Certificate, Tax clearance Certificate
4. PAN Card & TIN
5. The rate quoted should be inclusive of GST & Delivery charges.
6. The product should be inclusive of GST& Delivered in the college premises.
7. The approved Firm will supply the items within 15 days from the date of issue of the purchase order.
8. Payment will be made (after successful placement/installation of furniture/equipment) in shape of A/C payee cheque or through RTGS.


Principal, 18/09/23
Remuna Degree College
Remuna, Balasore