

OFFICE OF THE PRINCIPAL:MODEL DEGREE COLLEGE, NUAPADA

QUOTATION FOR THE SUPPLY OF / FURNITURE/EQUIPMENTS

(GLASS WARE & INSTRUMENTS)

Quotation NO: 052

Date: 11.01.2025

Sealed quotations are hereby invited by **Model Degree College Nuapada, Khariar** from Registered manufacturers / Dealers / Distributer for procurement of Laboratory equipment / Glass ware etc.

The details specification is available in

i) **Annexure-(II)-Lab-Equipment & GLASS WARE etc**

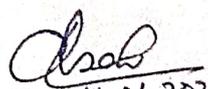
The Quotationers should submit the completed documents along with **EMD@2%** of the **quoted value** (refundable) of equipment on the Quotation documents in the form of Demand Draft drawn in favour of "**Principal Model Degree College Nuapada, Khariar** " payable at Khariar.

The Quotation paper, filled in every respect must reach the undersigned with copies of relevant documents on or before **28.01.2025 by 05.00 PM by Speed /Registered / Courier post.**

Terms & Conditions:

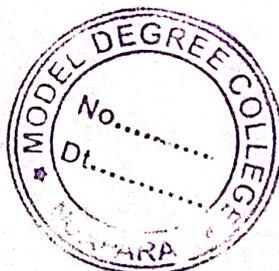
1. Copies of the credibility certificates and valid authorization certificates of various relevant products must be enclosed with the quotation.
2. The firm is required to enclose copies of its current valid GST Clearance Certificates, and PAN with IT-Clearance Certificate with the quotations.
3. In case of negligence of the firm, the undersigned reserves the right to cancel the order and actions may be initiated as deemed fit against the firm.
4. The quoted **price (including all taxes & transportation)** must be according to concessional rates and taxes applicable for educational institutions.
5. All Quotationers will be evaluated and compared on the basis of the following order :
 - i. Compliance with the Instructions/General Conditions of the Quotation.
 - ii. Conformity with the Specifications.
 - III. Proof of ability.
 - IV. Delivery Period.
 - V. Guarantee/ Warranty, expiry period offered.
 - VI. Quality.
 - VII. Price.
 - VIII. Authorization letter from Manufacturer

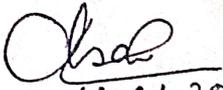



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6. The following Documents should accompany the Quotation.
- Quotation duly completed and signed.
 - Detail Specifications.
 - Bidding data sheets /Offer sheets duly completed and signed
 - EMD as applicable
 - Copy of GST and CST Registration.
 - Certificate of Incorporation/Business Registration.
 - All other documents as mentioned in the term and condition.
 - Authorization letter from Manufacturer
- 8 Tax may be charged against as per the rules applied to an educational institution.
- 9 Any dispute arising out of the transaction shall be subjected to the jurisdiction of Orissa High Court only.
- 10 The Quotationers is required to submit the Quotation papers filled in, with other supportive documents, failing which, they may be rejected.
- 11 The undersigned reserves the right to reject any or all quotations received without assigning any reason thereof.
- 12 The Quotation will be opened on dated **30.01.2025** at **3.00P.M.** in the office of the Principal **Model Degree College Nuapada, Khariar.**

N.B:- Incomplete data in any respect is liable for rejection.




18-01-2025
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APPLICATION FORM

Quotation No. _____ Dt. _____

1. Name of the Firm :

2. Address :

3. Phone No :

4. Contact Person :

With mobile

5. PAN (copy enclose) :

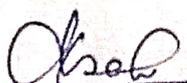
6. TIN/GST (copy enclose) :

Declaration

We do hereby declare that, we have gone through the details of the technical specifications and other terms and conditions mentioned in the Quotation Paper received against the Quotation No. _____ Dt. _____ and will abide by them.



Authorised Signatory
with Seal & on behalf of the Firm.

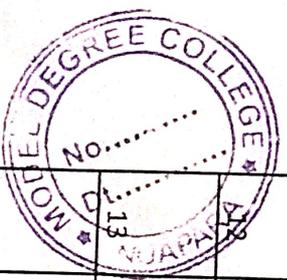

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List of Equipments for the Department of Anthropology

Sl.no.	Name of Equipment	Description
1	Anti ABD Blood Group Test Kit Fingerprint lifting tape	Anti ABD kit for Human Blood Grouping test This lifting tape is designed for lifting of fingerprints which are developed with fingerprint powder.
2	Sugar test Strips (Dr. Morepen BG-03 Gluco One Glucometer 50 Strips) Suger test strips (One call Plus)	Glucometer Strips Box, a reliable and efficient solution for monitoring blood glucose levels in human. Glucometer Strips Box, a reliable and efficient solution for monitoring blood glucose levels in human.
3	Forensic Latent Fingerprint Lift Pads	4" x 6" Latent Palm Fingerprint Lifting Pad. Latent Fingerprint Lifting Pads are clear pads of pre-cut latent print lifters. When a lifter is needed, simply peel a fresh lifter from the pad and lift as you would with any lift tape.
4	Dr Trust USA Smart Body Fat and Body Composition Rechargeable Scale Analyser 2.0 for Body Weight 509	Our body analyzer scale keeps you motivated to achieve fitness goals! It is rechargeable and measures room temperature with data of body parameters. Being a fitness tracker, the Dr Trust Smart Body Fat & Composition Scale 2.0 would track data of all your body parameters easily. Bluetooth connectivity syncs everything on App with analyzing the results of workout on your body. You can compare body metrics data in the form of graphs to see the progress. Note: Not Legal for Trade (Transactions / Protection) Product intended for personal use only. Tracks body weight and overall fitness through the free Dr Trust 360 app It has 16 body parameters and can sync results with google fit or apple health
5	Hicks Round Blood Sterile Lancets(100)	
6	ULTRA Sterile Disposable Safety Blood Glucose Comfort Needle Glucometer Lancets (100)	Blood lancets including round blood lancets, are small medical devices used for puncturing the skin to obtain a small blood sample for various diagnostic tests, such as blood glucose monitoring or blood typing. ULTRA SD Biosensor - Sterile single use Safety Lancets provides an easy, Safe and Comfortable way for capillary blood sampling. These are Gamma Radiation sterilized lancets with protective cap is sealed to the based ensures patient safety.
7	Spirit	sanitizing the Hand before taking blood through middle lancet
8		
9		



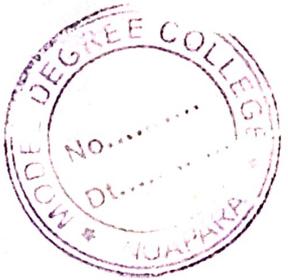

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<p>Glucose-6-Phosphate-Dehydrogenase Deficiency test kit</p>	<p>Glucose-6-phosphate dehydrogenase (G6PDH) catalyzes the conversion of glucose-6-phosphate to 6-phosphoglucono-δ-lactone, the first and rate-limiting step of the pentose phosphate pathway (PPP). The PPP pathway critical for maintaining the co-enzyme nicotinamide adenine dinucleotide phosphate (NADPH) and for the production of pentose sugars. The NADPH produced is critical for redox regulation via the regeneration of GSH and for providing reducing equivalents for fatty acid biosynthesis. Deficiencies in G6PDH predisposes individuals to non-immune hemolytic anemia.</p>
<p>11</p> <p>Sliding caliper for somatometric measurements of Human</p>	<p>The slider caliper is used for measuring breadths of short distance. The fixed and sliding arm have both sharp and blunted ends. The sharp ends and blunted are for measurements on skeleton and living human being,</p>
<p>Spreading caliper blunt-end for somatometric measurements of Human</p>	<p>The spreading calipers are made with blunt or rounded ends and sharp or pointed ends. The spreading caliper with sharp or pointed end is employed to record measurements on Human skeletons</p>
<p>14</p> <p>Anthropometric Rod (Anthropometer) made of brass</p>	<p>Anthropometric Rods are made of Brass. These are used for vertical and horizontal measurement of long bones at the same time consisting of a set of four long and two small rods. Four rods are attached at exclusive points to become a single rod to measure up to 200cm lengthwise.</p>

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This pocket-sized pad, introduced by SIRCHIE® more than 20 years ago, is the accepted STANDARD by law enforcement world wide. Each pad may be used to record thousands of fingerprints. A two-year supply of ink is impregnated in each pad (based on 75°F with lid closed after use), and is excellent for use in the field or office. The thermal-impregnated fingerprint ink is non-fading and dries on-contact in seconds. Ink rises to the surface as required through capillary action of the micro reticulated thermoplastic resin. Recorded fingerprints from this pad are accepted by state and federal agencies. The Porelon® Pad utilizes the multi-mount injection molded case for versatility in mounting options.



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<p>16</p>	<p>The Sirchie Forensic Digital Optical Desktop Video Magnifier, Catalog No. FXE350A makes evidence examination a far simpler task than ever before. It facilitates viewing small details with its movable viewing table and fully adjustable magnification—up to 50X. The FXE350A features a wide range of color correction, brightness and contrast on the oversize 24-inch LCD, high-resolution (1680x1050 pixels) viewing screen. In short, the FXE350A opens many new doors for forensic examination of the many forms, shapes and sizes that physical evidence may take. Digital technology affords first generation sharp, clear, high-resolution images regardless of the subject matter. The forward-mounted camera is high above the table, so you have plenty of room to work with three-dimensional objects. This entire unit requires the use of a single 50-60 Hz, 110-120V / 240V AC power receptacle.</p>
<p>17</p>	<p>Magnifying Lens Glass with Built-in 10 LED Lights 10x Pocket Magnifier</p>  <p>Enhance your reading, crafting, or hobby experience with our 10 LED HD Magnification Optical Magnifier. This magnifying glass is designed with an 88MM lens offering 10x magnification, ensuring every detail is brought into sharp focus. The high-quality optical lens delivers clear, distortion-free images, while the 10 built-in LED lights provide uniform lighting, making it perfect for low-light environments. Whether you're examining fine jewelry, inspecting stamps, or simply reading a book, this magnifier will be your go-to tool. Its lightweight and ergonomic design ensures it's comfortable to hold for extended periods, making it ideal for seniors, hobbyists, and professionals alike. Portable and battery-operated, this handheld magnifier can be used at home or on the go, offering maximum convenience.</p>


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<p>18</p> <p>Blue led light torch for hunting CSI forensics lamp blue led</p>	<p>This ensures that your natural night vision is not affected. If you want to read a map at night, blue light is highly suitable. More details and colour differences are visible when you use blue light than when you use red light, for example. Blue light also illuminates traces like blood. it is useful for forensic study.</p>
<p>19</p> <p>Ishihara Colour Vision Test Book For Color Deficiency 38 Plates (Latest Edition) (Hardcover, DR. Shinobu Ishihara) Kanehara Trading Inc Japan</p>	<p>The test consists of a number of colored plates, called Ishihara plates, each of which contains a circle of dots appearing randomized in color and size. Within the pattern are dots which form a number or shape clearly visible to those with normal color vision, and invisible, or difficult to see, to those with a red-green color vision defect, or the other way around. The full test consists of 38 plates, but the existence of a deficiency is usually clear after a few plates. individuals with color vision defect should see a different figure from individuals with normal color vision. Makes use of the peculiarity that in red-green blindness, blue and yellow appear remarkably bright compared with red and green Diagnostic plates: intended to determine the type of color vision defect Ishihara Test Chart Books for Color Deficiency 38 Plates with user manual</p>
<p>20</p> <p>Stethoscope</p>	<p>The stethoscope is a device that helps physicians or healthcare providers primarily to listen to the sounds generated internally by your heart, lungs and intestinal tract. It is also used to check blood pressure.</p>



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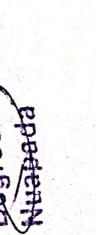
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Department of Botany (Instruments list)

Sl. No.	Instrument	Specification
1	UV Visible Spectrophotometer	Modified Czerny-turner Monochromator geometry for better aberration correction. Holographic Diffraction Grating of 1200 gr/ mm blazed at 250nm; Bandwidth 0.5 to 20.0 nm PC Controlled setting. Wave length range 190nm to 1100nm, Photometric range ± 4.0 Abs, Accuracy: ± 0.003 Abs at 1.0 Abs, Stray light less than 0.01% T at 220 and 370nm, Automatic baseline correction, Baseline flatness within ± 0.001 ABS, Scan speed Slow, Medium and Fast (270nm/min, 400nm/min and 600nm/min in SLOW, MEDIUM & FAST for a span of 600nm)/ better, Data Interval minimum possible 0.05nm for slow, 2nm, Standard sample holder with two cell position where One for reference and another to place sample cell, Source; Tungsten Halogen Lamp: 310 nm to 1000nm, Deuterium Lamp with quartz window: 190nm to 340 nm, Photo Multiplier Tube Detector (Low Noise P.M.T)/ Silicon photodiode, Measuring mode: Absorbance, % Transmittance, Concentration (K-factor, Multi-Standard), Multi-Component Analysis (Max. 10 components), Operating wave length: Single Wavelength, *Multi-Wavelength (Max 15 wavelengths), Scan (with multi-scan facility), Time Scan (with Derivative facility), Data processing; Peak Pick/Point Pick/Valley Pick, Expansion/Compression of Spectra, 1st, 2nd, 3rd and 4th derivative, averaging of scans, subtraction of first two scans, three levels of smoothening of Spectra Display of graphic and tabular data on the Computer monitor; permanent data storage on hard disk or floppy disk; hard copy of graphic and tabular data on printer With Computer of i5 Configuration, power 230 V, $\pm 10\%$, 50 Hz, 2 sets of matched 10 mm Quartz Cuvettes accessories, Warranty of 2 year from the date of installation or Equivalent.
2	Chromatographic chamber with setup for paper chromatography	Glass/Plastic
3	Power supply unit for Electrophoresis	Can be used with Submarine and Mini Vertical electrophoresis unit. Run two units at constant voltage or constant current with maximum output of 300V, 400mA and 80Watts. Time can be set in 1 minute increment or continuous mode or Equivalent




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4	Centrifuge Machine with rotors	Max. speed 6000 rpm, capacity 400 ml, Digital time range 0-99 min, W×D×H (380×470×300MM), Alphanumeric LCD display, Selection of 3 acceleration & deceleration profile, Wide variety of rotors & reduction adaptors or Equivalent
5	Micropipettes	Accupipette – Variable volume Pipette, Capacity 100-1000 µl, 0.1-2 µl, 1-10 µl, 20-200µl or Equivalent
6	Magnetic Stirrer with Hotplate	Stirring capacity 2 lit, Heating capacity 300 watts, 200 x 225 x 185mm (W x D x H) External dimension, Ø x length 9 x 35 mm, Digital Speed Indicator or Equivalent
7	PCR	Sample Capacity : 96x0.2ml wells, Peltier Number 6, Block material: Aluminium Alloy, 0-100°C temperature range, 6°C / Sec heating range, Cooling Rate(°C/sec) 4°C / Sec, Sample Ramp Rate 4-4.2°C / Sec, $\leq \pm 0.2^\circ\text{C}$ Control accuracy, Hot-Hid Temperature(°C) 30°C - 110°C, Gradient Range(°C) 6 Temp zones, Gradient Temp Range(°C) 30°C - 100°C, Reaction Volume Range 10-100 µl, Instrument Memory 10000 files + (USB Flash), Temperature Time Increment / Decrement 0.1 - 10°C ; 1 sec - 600 sec, No of steps & cycles 30 steps & 100 cycle, Input Voltage & Input Power AC85-264V, 47-63Hz & 600W, Footprint(DxWxH) 38x24x26 cm (14.9x9.4x10.2 inches), Display Interface 8 inches, 800x600 Pixels, TFT, LCD Touch screen, Interchangeable Block Format LA949A, LA949B, LA949C, LA948A, LA1111A or Equivalent
8	Soxhlet Extraction Apparatus	Glass, Capacity 200ml, With Interchangeable Joints, Complies with IS 10640, Used for separation of the extract from the liquid or solid, Greater surface area than the Liebig Condenser owing to a series of bulbs, resulting in higher cooling capacity. Method enables effective separation, with relatively small quantities
9	Clevenger apparatus	Glass, Capacity 1000ml, Ideal for estimation of volatile oil that is lighter than water, Supplied with a 5 ml Receiver with stopcock, an Oil Separator Tube, a condenser and 1000 ml flask
10	Flasks	Round bottom flask. Narrow mouth, Shortneck With I/C Joint Glass, Capacity 500ml
11	Clamps	Three finger clamp, Aluminium pressure die casted or Equivalent
12	Bossheds	Bosshhead made of Incc&Aluminium pressure die casted. It can hold a rod upto at 30° angle mm diameter at 0° angle and Swivel bosshhead rotate. Coated with

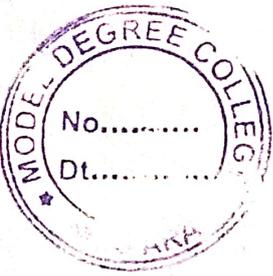


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		LEAD-FREE powder coating & fitted with Nickel plated thumb screw, Regular bossheading PDC
13	Retort base	Superior heavy duty steel alloy stand with rubber lining on a shorter side gives extra stability, With lead-free powder coating, Retort base, heavy, 10"×6"
14	Retort Rod	With stainless steel Grade 201, 12×750
15	Silicone tubing	6mm × 9mm OD
16	Heating mantel	Capacity 500/1000 ml, Round bottom flask, Overheat Protection, Temperature regulator, temperature display
17	Incubator	Standard double wall fabrication, inner chamber made of richly anodized aluminum or highly polished stainless-steel sheet. Provide with two or three removable shelves. Kanthal wire heating elements provided on three sides to attain quick and uniform heating in range of 30° C to 110° C ± 1° C controlled by hydraulic type capillary thermostat. An L – shaped prismatic thermometer is fitted to the unit for reading the chamber temperature. Equipment suitable to be working on 220V AC 50Hz single phase.
18	Invertor	1550 s/w, 12V
19	Battery	Tall Tubular battery, 12V-150 Ah



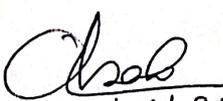

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Dr. Premod Kumar
 Head of Dept.
 11.01.25

Department of Chemistry (Lab. Equipment)

Sl.No.	Name of equipment	Specification
1	Pipette	5ml
2	Reagent Bottle	5Ltr
3	Reagent Bottle	2Ltr
4	Reagent Bottle	1Ltr
5	BOD Bottle	300 ml.
6	Potentiometer	Digital Potentiometer with combined Pt.& Reference electrode or Pt. and Ref. electrode Technical Specification: Dimension (mm): 235 x 185 x 85 Weight: 1.25 kg mV Range: 0 to \pm 1999mV Three Polarization current: 10 μ A for metal and metal electrode Input impedance: 1011 ohms Polarity: Automatic Power: 230 V AC \pm 10%, 50 Hz Set Zero range: 0 to \pm 1500 mV input Display: 3 $\frac{1}{2}$ digit LED Over Range: Last three-digit blinking Magnetic stirrer: in built with variable control Stirrer speed: 0 to full speed Or; Equivalent
7	Digital Thermometer	With High and Low Temperature Alarm Facility, Auto Power Off, Data Hold, -50 to 300°C / -58 to 572°F, with built-in 110mm stainless steel sensor Or; Equivalent
8	Weighing machine /Digital pocket scale	200 GM Digital Pocket Scale Or; Equivalent
9	pH Tester & EC/TDS/Temp. Meter, pH Tester & EC/TDS/Temperature Meter 3-in-1	3 in 1 TDS Temperature and PH Meter for Drinking Water Monitoring with Calibration Function and 3*PH Buffer Powder Or; Equivalent

Akshaya Kumar Sahoo
H.O.D, Chemistry 11-1-25-

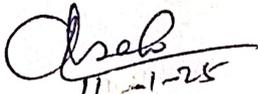

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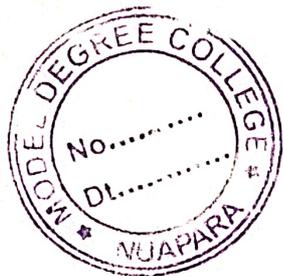
List of Equipments for Department of Zoology

Sl.no.	Name of Equipment	Specification
1	Digital Weighing balance	Accuracy :0.001 g Display Type: LCD Display with Backlight Weighing Capacity: 500g Platform Size: 85 mm Tare Range :Full Working Temperature:10-40°C Stabilization time: 2-3 Sec OR Equivalent
2	pH Tester & EC/TDS/Temp. Meter, pH Tester & EC/TDS/Temp. Meter 3-in-1	3 in 1 TDS Temperature and PH Meter for Drinking Water Monitoring with Calibration Function and 3*PH Buffer Powder OR Equivalent
3	UV Transilluminator	Dual range 254 & 365nm, 8 U.V. Tubes are fitted. (College model), Accuracy is 50ng. Large View size 210 x 260 OR Equivalent
4	Hotplate Magnetic Stirrer	Magnetic Stirrers with stainless steel top housing are most compact models. Permanent Magnet DC (PMDC) motor gives high torque even at lower speeds and maintains speed stability despite viscosity or volume changes. Different models available for all types of laboratory stirring applications up to 10 liters. Accurate stepless speed control with digital display allows smooth variation up to 1200 rpm. OR Equivalent
5	UV Visible double Beam spectrophotometer	Wavelength Range: 340 - 1100 nm Optical System: Double Beam Spectral Bandwidth: 2 nm Photometric Accuracy: +/-0.005 Abs at 1.0 Abs Photometric Range: -0.04 to 3.0 Abs Photometric Repeatability: +/-0.002 Abs at 1.0 Abs Baseline Flatness: Within +/-0.005 Abs (excluding noises) Printer Port: Epson compatible Dot Matrix printer Wavelength Repeatability: +/-0.5 nm Wavelength Accuracy: +/-1.0 nm Stray Light: Less than 0.1%T at 340 nm Detector: Si-Photodiode Sample Holder: Automatic selection for Four cuvette (10 mm Pathlength) Source: Tungsten-Halogen lamp Automatic: Wavelength calibration Calibrations: LCD contrast adjustment Optimisations: System check at power On Optics: Single beam Czerny-Turner Monochromator with grating of 1200 line / mm Wavelength Resolution: 0.1 nm Wavelength Bandwidth: 2.0 nm Scan Speed: Slow, Medium, Fast OR Equivalent
6	Paper Chromatography Chamber	Made of single piece Bakelite molding. The inner size of cabinet is 6x8x9 " with front sliding glass door OR Equivalent




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11	Micropipette	Volume- 10-100microml
12	Micropipette	Volume- 100-1000microml
13	Micropipette Tips	(0.5-10 microml), 1000pcs
14	Micropipette Tips	(10-100 microml)1000pcs
15	Micropipette Tips	(100-100 microml) 1000pcs
16	Centrifuge tube	50 ml
17	Centrifuge tube	15 ml
18	Centrifuge tube	1.5 ml MCT



Subasa Bishnoi
HOD Zoology

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