



OFFICE OF THE PRINCIPAL  
MODEL DEGREE COLLEGE, NAYAGARH

ମଡେଲ ଡିଗ୍ରୀ କଲେଜ, ନୟାଗଡ଼



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No: 148

Date: 25.1.2024

QUOTATION CALL NOTICE

Sealed quotations are invited from registered firms/agencies having upto date GST Clearance for supply of Laboratory Equipments in separate envelopes. Quotations with name of the department "DEPARTMENT OF \_\_\_\_\_" superscribed on the cover should reach the office of the undersigned on or before 05.02.2024 (11:00 AM)", positively.

The sealed quotations will be opened in the presence of bidders/representatives on the same date 05.02.2024 at 01.00 PM.

The details of the quotation are available in the website [www.mdcnayagarh.org.in](http://www.mdcnayagarh.org.in)

*Smart*  
Principal

Model Degree College, Nayagarh

Memo No 149 / Date 25.1.2024


Copy to the College Notice Board/ College Website/Accounts Bursar/HC for information.

*Smart*  
Principal

Model Degree College, Nayagarh

### TERMS & CONDITIONS:

1. The quotations shall be strictly as per the format given by each department and deviations to this may result in disqualification of quotation single or all quotations.
2. The quotations should contain **unit price, GST and total value of each item, separately** for each department.
3. The firm shall furnish the hard copies of GST registration certificate, GST upto date paid certificate, PAN and Account Number Detail along with IFSC for fulfilling the requirements of accounts section.
4. Self-attested certificates in support of authorised dealership/distributorship/authorisation letter, as applicable.
5. All the above said documents shall mandatorily be attached with the quotation documents of each individual department.
6. Sealed quotations shall reach the office of the undersigned on or before 05.02.2024 (11am). Beyond the specified time, all received quotations shall not be considered and rejected.
7. The sealed quotations shall be opened on 05.02.2024 at 1.00pm in front of the members of the designated committee and the proprietors of the firms or the authorised persons.
8. The undersigned reserves to purchase the quantity as per the requirement of the individuals.
9. Floating of quotation does not make the undersigned obligatory to purchase the item(s) from the vendor(s).
10. The firms concerned are to supply the orders within the stipulated time offered in the purchase order failing which the claim of the firm shall be void. If the firm will not be able to supply the items within the time frame, the next day the undersigned shall offer the order to the next lowest bidder.
11. Advance payment in whatsoever manner shall not be entertained. The payment shall only be processed after the successful delivery and getting a satisfaction certificate from the concerned HOD.
12. No transportation charges will be given to the firms towards the supply of required items.
13. The firms shall provide the goods in good working condition without any defect to the utmost satisfaction of the concerned HODs. No deviation to the specifications shall not be entertained and the firm in that event shall loose the opportunity to supply the item to the College.
14. The suppliers must give a certificate in the back side of the invoice stating that :  
**“CERTIFIED THAT THE ITEMS SUPPLIED TO THE MODEL DEGREE COLLEGE,NAYAGARH ARE GENUINE,ORIGINAL AND SHALL WORK PROPERLY IN THE LABORATORIES WHILE DURING PRACTICAL CLASSES”**
15. No electronic communication either through email/whatsapp/mobile phone shall not be entertained related to the documentation of this quotation call.
16. The decision of the undersigned during this process is final and binding.

  
Principal

Model Degree College, Nayagarh

Contact No.:8790957494

DEPARTMENT OF ANTHROPOLOGY  
MODEL DEGREE COLLEGE, NAYAGARH  
(PRACTICAL ITEM LIST)

Human Bones

Sl. No.	Description of Item	Unit Price	GST	Total Amount
1	Human Skeleton			
2	Human Skull			
3	Mandible			
4	Skapula			
5	Sternum			
6	Clavicle			
7	Skull Pad			

ANTHROPOLOGICAL INSTRUMENTS

Sl. No.	Description of Item	Unit Price	GST	Total Amount
1	Projector			
2	Measuring Steel Tape (10 Mtr)			
3	Anthropo Metric Rod (Three piece attachments)			
4	Weighing Machine Digital			
5	Parallelometer			
6	Attached Gonimometer			
7	Skinfold Calliper			
8	Osteometric Board			
9	Blood Group Testing Kit			
10	PTC Solution Kit (Phenyl Thyro Carbide)			
11	Test Kit for Sickle Cell Disease			
12	Dormatoglyphic Ink			
13	Cotton (500 gm)			
14	Refrigerator			

Palaeolithic tools

Sl. No.	Description of Item	Unit Price	GST	Total Amount
1	Chopper			
2	Chopping			
3	Hand Axe			
4	Scraper			
5	Microlithic Tools			

Neolithic Tools

Sl. No.	Description of Item	Unit Price	GST	Total Amount
1	Adze			
2	Axe			
3	Ring Stone			

HOD, Anthropology

DEPARTMENT OF BOTANY						
MODEL DEGREE COLLEGE NAYAGARH Contact No.:9337847907						
Sl No.	Items	Specification	Quantity	Unit Price	GST	TOTAL
1	Trinocular microscope with camera	Optical System: UIS2 (Universal Infinity System), illumination System: Built-in transmitted illumination LED Focusing: Stage height movement (coarse movement stroke: 20 mm), Fine Focus Graduation: 2.5 m. Revolving Nosepiece: Fixed quadruple nosepiece, mechanical stage focus-lock prevents mishaps, use in any environment, anti-fungus treatment for component durability, with ccd camera				
2	Electrophoresis unit with power pack	Buffer chamber, safety lid with cables, gel casting tray and comb, Power supply unit				
3	Projector	PIXAPLAY 28 1080P FHD, 508 cm Screen, Dolby, Smart Projector, 9000 Lumens, Auto Focus, Auto Keystone. HDMI (ARC). Miracast. Dual Band. 30,000 Hour Lamp Life				
4	Laptop	Intel Core i5-1135G7 Processor/ 8GB DDR4/ 512GB SSD/ 15.6" (39.62cm) FHD/Mobile Connect/Windows 11 + MSO'21/15 Month McAfee/Spill-Resistant Keyboard/Carbon Black/Thin Software: Pre-Loaded Windows 11 Home with Lifetime Validity   MS Office Home and Student 2021 with lifetime validity Warranty & Battery: 1 Year Onsite Hardware Service & 3-Cell Battery,				
5	Digital water and soil analyser	Digital Water and Soil Analysis Kit 5 Parameter (MT-133) Used For measuring the pH, Temp., TDS, mv(ORP), Conductivity				
6	UV transilluminator	Material: Aluminium Alloy, Shape: Rectangular, dual Light Sources LED White Light and Blue Light, Warranty: 1 year, Dimension: 280(D)* 340(W)* 80(H)				
7	Binocular microscope	Microscope Inclined at 45°, Inter pupillary Distance 55-75mm, 360° Rotate blend Dioptic adjustment. Anti fungus Treated Stand :Sturdy stand with anti-rust materials a Ergonomic carrying grip enables easy transportation. Eyepiece :Wide Field eyepiece WF 10x/16 mm ( paired), Nosepiece :Quadruple Nosepiece (Ball bearing Type with click stops and rubber ring) Objective :Achromatic objectives 4x/ NA 0.10, 10x/ NA 0.25, 40x/ NA 0.65 (SL), 100x/ NA 1.25 (SL, Oil), Mechanical Stage :Graduated mechanical stage 140 mm x 120 mm, moving area 80 mm (x), x 50 mm (y) with co-axial controls, Focusing:Ergonomic designed Co-axial Coarse and Fine focusing system on ball drive for smooth operation with tension control ring Condenser :Abbe Condenser N.A = 1.25 with Iris Diaphragm and swing out Filter Holder, Moving Up and Down, Illumination System :Built-in bright white LED, brightness adjustable with intensity control regulator Electronics, Power input 220V AC, 50 H				
8	magnetic stirrer with hot plate	Magnetic stirrer with hot plate Magnetic Stirrer Hot Plate Capacity -3 Ltr with Digital Display of RPM				
9	Wilmott's Bubbler					
10	Ganong's potometer					
11	Farmer's potometer					
12	T/A apparatus	glass vessel 250 x 50 mm with rubber stopper at top & a side tube graduated 0-15 cm x 1 cm.				
13	Buchner funnel	porcelain Buchner Funnel 100mm, Filter Funnel Thick Stem for Laboratory				
14	Parafilm	Thermoplastic self sealing film that holds the moisture loss to a content petridish, beaker and flasks.				

15	Measuring scoop	capacity 2ml 60mm ,5ml 82mm and 10ml 100mm Made of Polypropylene and a comfortable, stable handle. Flat bottom allows scoop to sit upright while weighing or filling				
16	Tissue homogeniser	The system should offer processing of a wide variety of samples, including animal and plant tissues, hard tissues like bones, which can be used to disrupt samples to release high quality DNA, RNA and protein for subsequent purification and analysis. Should offer fast simultaneous disruption 48 or 192 samples in minutes through high-speed shaking with tungsten/stainless beads which heat and grind samples.				
17	Titration Unit	Glass burette 100ML, burette stand, clamp holder				
18	pasteur pipette	LDPE, 100ML				
19	Refrigerator	242 Ltr, 3 Star, Smart Inverter Compressor, Door Cooling+™, Smart Diagnosis™, Shiny Steel Finish, Frost-Free Double Door				
20	UV Visible Spectrometer	Spectrophotometer (Uv) Double beam - Wavelength Range: 190 Nm-1000 nm Wavelength Accuracy: ±1 Nm Work Pattern: T,A,C Display Area: 4 Lcd, Zero Setting: Automatic, Scanning Speed: Fast, Medium, Slow Detector: Imported Silicon Photo Diode, Cell Holder: 8 Cell Holder,				
21	Microprocessor Based Ph Meter	PC based Microprocessor Based, Display : 16 x 2 Alphanumeric, Range : 0 to 14 pH, 0 to 1000mV, Resolution : 0.01 pH, 0.1 mV, Accuracy : ± 4%, Temperature Compensation: Manual, Calibration : 3 Point, Dimension : 275 x 187 x 94 mm (Approx), Power : 220 V ± 10 v AC, Accessories : pH Electrode, Electrode Stand, 3 Buffers				

Ritishree Mallik  
 25.1.2024  
 Head of the Deptt. Botany  
 Model Degree College, Navam-A

Sl.No	Item/Apparatus/Equipment Name	Qty	Make/Specification	Rate	GST Amount	Total Amount
1	Distillation machine	1	Type:Distillation Kits Equipment Materials :Borosilicate Power : 5.5 Watt (w) Voltage :230 - 250 Volt (v) Material : Borosilicate/Quartz Usage :2.5 ltr/hr			
2	Bod incubator	1	Toughened glass window ,Air circulation fan ,Removable tray ,Temperature sensor ,Door hinges ,Door handle with lock & key ,PID temperature controller ,Analog ampere meter ,On/Off MCB ,Refrigeration system ,Power cord ,Caster wheels ,Temperature High/Low Safety alarm No of Trays-3,Exterior body material Powder Coated GI sheet,Insulation material-PUF Inner door material Material of removable tray Acrylic Sheet,Material of removable tray-Stainless Steel wire mesh Tray,Chamber Capacity(in ltr)-150-199,Temperature Range- 5°C to 60°C,Temperature Uniformity-± 1°C			
3	Cod digesting unit	1	Hole Size:40mm Dia x 80mm Depth ControlDigital Electronic Temp Controller Sample Volume20ml Each Resolution0.1 degree celsius TimerSelectable 30, 45, 60, 90 or 120 min with alarm.			
4	Dissolved oxygen meter	1	Type: Digital dissolved oxygen meter; Display: 3½ digit LCD display; DO (concentration mode): 0 - 20 ppm Temperature range: 0 - 60°C; DO resolution: 0.1 ppm; Do accuracy: ±0.1 ppm; Temperature resolution: 0.1°C; Temperature accuracy: ±0.2°C; Temperature compensation: 0 - 50°C Calibration: Manual; Power: 230V AC ± 10% 50Hz; Accessories: Gold/Silver amperometric DO probe set of DO membranes			

5	DIGITAL ROTARY SHAKER	1	<p>Speed Range: 20 - 300 rpm, 1 rpm increments</p> <p>Orbit Diameter: 19.0 mm (0.8")</p> <p>Run Time Range: 0 to 74 hours and 59 minutes, 1-minute increments or continuous</p> <p>Maximum Load: 4.5 kg (10 lbs.)</p> <p>Ambient conditions: 2° to 40°C (36° to 104°F); 20 to 80% RH, non-condensing</p> <p>Platform interior dimensions: 11 x 11 in</p> <p>Overall Size Dimensions: 12.4 x 7.8 x 12.2 in</p>			
6	Respirable Dust Pm10.0 sampler		<p>Particle size Below 10p collected on Filter paper &amp; larger than 101 collected in a sampling</p> <p>Flow Rate Bottle : 0.9 to 1.4 meter cube/min</p> <p>Voltage Stabilizer Auto shut off beyond (170 — 270)V</p> <p>Air sampling Filtration Media(8x10)" suitable for E P M2000 and GF/A Power 230 V. 50 Hz. 1 Phase A.C. Overall size Approximate(400X300X650)mm</p> <p>Blower Type Heavy Duty Brushless Blower &amp; Noise Less</p> <p>Power Requirement 230V AC, 50 Hz. Single Phase 5A</p>			
7	Unbranded plastic extraction apparatus	1	<p>Material-Plastic Features without heating cabinet</p> <p>Extractor capacity: 500 milliliter</p> <p>Flask capacity: 500 milliliter</p> <p>Operating temperature: 50 degree Celsius</p> <p>Extractor socket 40 millimeter</p> <p>Heating mantles: 1, Operating voltage: 220 Volt</p> <p>Frequency: 50 Hertz</p> <p>Shape: Round, Extractor cone 15 inch</p>			
8	MICROPIPETTE		<p>Capacity: 10-100ul, Material: Plastic</p> <p>Temperature 10-40 Degree C,</p> <p>Volume Setting—Adjustable</p>			
9	COMPUTER PRINTER		<p>HP Laser MFP 136a, Wireless, Print, Copy, Scan, 40-Sheet ADF, Ethernet, Hi-Speed USB 2.0, Up to 21 ppm</p>			
10	TLC PLATES SHEET		<p>Layer thickness, 200 micrometer, Sheet Size (L x W), 20 x 20 cm, Item Type -TLC Silica gel 60G F254, Support/Backing- Aluminium</p> <p>Shelf Life-2 year</p> <p>Quantity per pack-25</p>			

**DEPARTMENT OF MATHEMATICS**  
**MODEL DEGREE COLLEGE, NAYAGARH**

Sl. No.	Lab Equipment for Mathematics Lab (UG)	Description	Unit Price	GST	Total
1	Projector	LED Projector with 3000 lm, VGA, USB, HDMI, Remote Control, 1024x768 pixels			
		LED Projector with 3000 lm, speaker, wifi, VGA, USB, HDMI, Remote Control, 1024x768 pixels			
2	Laptop	Hp laptop (14"), 12-Gen, with intel core i5, 8GB RAM, 512 GB SSD, Window-11, MSO-2021 <b>or equivalent</b>			
3	Security Software	Antivirus software for 10 users for 3 years (Quick Heal paper voucher license <b>or equivalent</b> )			
4	Projector Screen	Projector Screen (8'x6' ) with wall mount			
5	Desktop Computer	Acer MT Veriton Intel H610 Core i5-12400 Processor Desktop (Windows 11 Home/ 8GB/ 512 GB SSD/WiFi ) with 49.5 cm (19.5") Display <b>or equivalent</b>			
6	UPS	APC BACK UPS-600 <b>or equivalent</b>			

*Signature*  
25/01/2024



**Model Degree College, Nayagarh**

**Department of Physics**

**Lab Requirement**

Contact No. -

9692346838

SL NO.	Name	Quantity	Description.	Rate	GST	Total Amount
1.	Zeeman effect apparatus total set up ( without computer)	1	Pencil Mercury Lamp Electromagnet Condensing Lens F-P Etalon Polarizer Interference Filter (546 nm) Reading Microscope Imaging Lens Power Supply Unit (Hg Lamp and Electromagnet) Optical Rail Slide $\lambda/4$ Plate Tesla Meter with AC Adapter CCD, USB interface & software Interference filters with mount at 577 & 435 nm			
2.	Quantum efficiency of CCDs completely Set up	1	QTH Lamp Interference filters or mono Chromatic Lenses and a calibrated photo Diode TI 800x800 CCD etc.			
3.	Electron spin resonance set up	1	FET based marginal R.F. Oscillator Digital display of frequency Excellent peaks display Digital display of Helmholtz Coil Current Compatible with general purpose CRO in X-Y mode			
4.	LCR resonance circuit for series and parallel (patch cord not required)	1	Only panel board ( panel board with two analog moving coil 0-6v AC, 0-25ma AC, POWER REQUIRED 230V ac,50HZ)			
5.	Bar Pendulum set up	1	Consisting of a steel bar 100 cm long bored at equal interval, with two removable knife edges and a wall bracket.			
6.	Katers pendulum Set up	1	Consists of steel C.P. Rod one meter long two adjustable knife edges facing two cast iron weight are provided to slide along the length two hardwood weight can be used to compensate iron weight			
7.	Spectrometer	1	Spectrometer with 6" Circle			

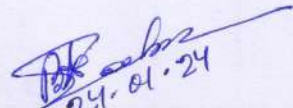
			Adjustable Prism table marked with grooved lines, Telescope mounted on movable pillar having fine adjustment Double ending verniers reading 30 Secs Arc			
8.	Travelling microscope	1	18cm horizontal movement and 14cm verticle movement. The Microscope has all movable parts in brass with nicely sand blasted and Chrome plated. 10X Ramsden's eyepiece.			
9.	555 Timer for monostable multivibrator	2	To study the IC 555 as a Monostable ( One-shot) Mutivibrator To Study the IC 555 as an Astable ( Free-Running) Mutivibrator To Study the IC 555 as an Bistable Mutivibrator DC Power Supply IC Regulated +15V DC, 150mA. Operated on Mains power 230V, 50Hz +10% Passive Components are mounted on board behind the panels are RESISTANCE CAPACITORS IC NE555 VARIABLE RESISTOR 10K PULSAR SWITCH			
10.	Digital Weighing balance	2	1mm-5kg			
11.	Heater for thermal Physics apparatus	1	BAJAJ VACCO Power Consumption 1250 Watt 230 V AC. Fitted with ISI Marked 'Theeta' Coil Heater			
12.	Tool kits	1	Driller(650 watt power , capacity 13mm, speed 0-2800rpm), hammer, wire cutter , screw drivers, soldering iron...etc			
13.	Determine Boltzman constant using VI CHARECTERSTICS compete set up	1	Digital DC Voltmeter to measure the voltage across the diode.· Highly stabilized variable D.C. power supply ( 0 - 2Volts).· Digital milliammeter to measure forward bias current in diode.· Silicon Diode mounted inside the cabinet.· Temperature controlled oven 70 degree C to heat the diode for different set of readings.Digital temperature indicator to measure temperature directly.			
14.	Adder And subtractor panel board	1	Study of Operational amplifier as Adder, Subtractor, Integrator and Differentiator Instrument Comprises of two Dc regulated power supply 0-5V DC, $\pm 15V$ DC, one meters to measure input and output Voltage & Combination of resistance, Capacitors mounted on front panel.			
15.	CRT	1	Cathode Ray Tube Magnetic Field Effect Deflection Crookes Tube with Rectangular Plate.			

			Composed of the following parts: glass envelope, grid plate, fluorescent screen, cathode, anode, support.			
16.	Ge-Si semiconductor devices	10 each	Diode, transistor, chip..etc			
17.	Electrical items like capacitors, resister, inductor...etc	10 each				
18	Wien Bridge Oscillator Complete Set up	01	ASICO Operational Amplifier IC 741 To study the Frequency and Wave shape generated by Wein Bridge Oscillator. Features : Instrument comprises of +12V DC Regulated Power Supply, Circuit diagram printed & components mounted on front panel.			

NB: All prices will be mentioned with GST Under GST Column

*Ure ahriam Pankaj*

LASK OF PHYSICS  
MDC NAYAGARH

*for*   
24.01.24

HOD DEPT.OF PHYSICS  
MDC NAYAGARH

DEPARTMENT OF ZOOLOGY							
MODEL DEGREE COLLEGE NAYAGARH				Contact No.: 7735133661			
SI No.	Items	Specification	Quantity	Unit Price	GST(18%)	Total Price	
1	Centrifuge	max speed 16000rpm,LCD display speed and time, imbalance detector,dynamic brake,safety lid lock with rotor for 1.5 or 2 ml tube and accessories)					
2	Hot Air oven	Up to 250°C temperature, Temperature safety ,Precise and even heat distribution , Double walled construction,Removable stainless steel shelves Digital temperature controller,Over heat and over current protection Forced air circulation					
3	Horizontal Laminar airflow	Direction of flow Horizontal,Cleanliness CLASS 100,Velocity 90 FPM +/- 20%,Hepa Filter ,working size in feet (2x2x4) 40 watt daylight lamps with diffusers, Gas cock, castor wheels, pressure differential manometer, additional 5 amps power point, side screens made of 6 mm clear acrylic.					
4	Digital water and soil analyser	Digital Water and Soil Analysis Kit 5 Parameter (MT-133) It is Used For measuring the pH , Temp. , TDS , mv(ORP) , Conductivity					
5	Digital turbid meter	Features Reliable & Accurate Results Measurements upto 1000 NTU 3½ Digit 7-Segment LED Display Sewage and Drinking Water Testing with accessories					
6	ELISA teaching kit	Materials Provided:Antigen for Coating, Standard Primary Antibody Secondary Antibody-HRPConjugate, Test Samples, Blocking Buffer , TMB/H2O2, Coating Buffer, Stop Solution, Microtitre wells,Instruction Manual					
7	Centrifuge tube(2 ml)	Polypropylene Spinwin Micro Centrifuge Tube 2.0 ml (Pack of 500 Pieces).					
8	Centrifuge tube with cap(15 ml)	Graduated Centrifuge Tube, Polypropylene, Conical Bottom,Leak Proof Tubes Pack of 50					
9	Electrophoresis unit with powerpack	Buffer chamber,safety lid with cables,gel casting tray and comb Power supply unit					
10	Projector	PIXAPLAY 28 1080P FHD, 508 cm Screen, Dolby, Smart Projector, 9000 Lumens, Auto Focus, Auto Keystone, HDMI (ARC), Miracast, Dual Band, 30,000 Hour Lamp Life					
11	Plasmid isolation kit	with bacteria and kit for 20 pr					
12	DNA isolation kit	KIT FOR 20PR					
13	Agarose Electrophoresis teaching kit	Agarose,50X TAE,Genomic DNA,Plasmid DNA,DNA Marker,Gel Loading Buffer,Instruction Manual					
14	Digital sphygmomanometer	19 x 17.8 x 11.4 Centimeters Net Quantity 1 count Blood pressure monitor, cuff, adapter, carry case, with 360° Accuracy Intelli Wrap Cuff for All Arm Sizes					
15	Thermometer	Size: 12 inches long and 7-8 mm thick It is a mercury filled thermometer for better life, accuracy and reliable reading of temperatures from 0 degrees to 360 degrees below the freezing point and above boiling point of water or liquids.It is a 30 cm long with plastic case for better safety and handling of thermometer.					

*Re*  
25/01/24

H.O.D Department of Zoology