

**OFFICE OF THE PRINCIPAL,
DHENKANAL MAHILA MAHAVIDYALAYA, DHENKANAL.**

LETTER NO. 138 DATE. 05/2/2024

EXPRESSION OF INTEREST

DHENKANAL MAHILA MAHAVIDYALAYA, DHENKANAL, Odisha through Open Tender Enquiry (OTE) invites Expression of Interest (EOI) from registered reputed original equipment manufacturing companies/Firms or their authorized partners/agents/distributors to supply various laboratory equipments/instruments/accessories as listed in Schedule –I (Part A & B). EOI cum tender bid fee of Rs. 500/- (Rupees five hundred only – Non refundable) by Demand Draft drawn in favour of “Principal, Dhenkanal Mahila Mahavidyalaya, Dhenkanal, payable at Dhenkanal to be submitted along with EOI bid. Further, the parties may contact/ visit the office and College website <http://www.dhenkanalmahilamahavidyalaya.org/>

The undersigned reserves right to accept or reject any proposal/ bid without assigning any reason thereof.

ELIGIBILITY, TERMS AND CONDITIONS

1. The Firms/ Supplier must have valid GST/ Service Tax Registration/ PAN with proven track record for supply of goods and services.
2. The bidder need to prepare two separate bid one is technical and other is financial bid both in formats at Annexure I and II respectively.
3. All the pages of the bid documents both Technical and Financial are to be signed by the bidder or authorized representative on behalf of the bidder along with seal of the firm with date.
4. In the financial bid department wise quotation must be submitted separately and also mention in the top of envelop.
5. The Supply must be completed within 15 days from the date of issue of order.
6. For any delay for supply of materials, the Firms/ Supplier will be held responsible.
7. The bid must be submitted by hand to the undersigned on or before the last date and time mentioned below. (N.8. Due to shortage of time the postal & Courier service will not be accepted).
8. The quantity mentioned in the List of equipment may be increased or decreased upon the availability of funds.

TIME LINE:

Last date of submission of Tender	13.02.2024 at 4 PM
Date of opening of the Tender documents –	15.02.2024 at 11AM

ADDRESS: - Principal, Dhenkna Mahila Mahaviyalaya, Dhenkanal,
At- Deulasahi, Near Balaram Temple, Dhenkna- 759001


Principal
Dhenkanal Mahila Mahavidyalaya
Dhenkanal

1. Name of the firm/ Agency

Address:

2, Name and designation of the office bearers

3. Registration Details (Copy to be enclosed)

(GST/ Service Tax Registration/ PAN)

4. Make and model with detailed specification on Bar code printer, Scanner and other accessories to be needed.

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Annexure- II

Department _____

Sl. No	Lab. Equipment/ Items	Specification	Unit Price	GST	Total
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Declaration

1. I/We have read the above terms and conditions carefully and these are acceptable to me/us. The Proforma giving details of equipment, premises and a copy of declaration relating to registration of the press is submitted herewith as required under this tender. Our rates are also given in the enclosed proforma.

2. I/We hereby declare that our firm/company/concern is registered for the above work. We are in the business of above work, which can be verified from our office record. We have all technical infrastructure re and technical staff etc. for smooth and effective execution of above work. We have not been black listed by any Government (Central & State) Board/ University/ College / Public Undertakings/ Banks/ R.B.I. etc.

Name of the Tenderer _____

Address _____

Signature of Tenderer
with Seal and Date

Handwritten signature and date 5/2/24

DEPARTMENT OF BOTANY

Sl. No	Equipment/Apparatus for Botany Laboratory (UG)	Description	Required No.
1	PCR	Machine 48 well, 0.1 Ml	1
2	Refrigerated Centrifuge	Max. 16000 RPM 1.5 ml/15 ml rotor (table top)	2
3	Horizontal(Medium) and vertical gel electrophoresis	With complete set (Comb, glass plate etc all included) and power pack	2
4	Digital PH meter	Range-2.0to 200 at 110°C Accuracy pH mV Å°C - ±0.01pH	10
5	Vortex machine	Speed-2800rpm, Orbit-4.2mm, Action type-Touch	5
6	Inverter	NE-S1 series standard	1
7	UV -Torch	Standard	10
8	Centrifuge	13000rpm (1.5ml)	1
9	Refrigerator	Single door	1
10	Autoclave	Size 250x 450mm Load 2 Kw Capacity 22Litre	1
11	UV trans illuminator	Micropoint illumination, RTR-500 series data logger	1
12	Microwave	28 liter	2
13	Digital Dry bath mini 1.5 ml	Time range up to 999 min	4
14	Water Distillation Unit (single)	Dimension-49*49*45, Capacity-4 liter	2
15	Vertical Laminar Air flow cabinet	Stainless steel voltage 220V	1
16	Students' Compound Microscope	40-1000X	8
17	Ganong's Potometer	Borosil	10
18	Farmers Potometer	Borosil	10
19	Respiratory apparatus	Borosil	12
20	T/A apparatus	Borosil	8
21	Hemocytometer	Cell Depth: 0.100mm +/-2% (1/10mm),\Volume: 0.1 Microliter,	5
22	Water bath	capacity: 4.3 L · Temperature Range: RT+5°C to 100°C	10
23	Weighing Balance	Capacity- 300gm, 600gm, 1000gm	10

M. J. 2/20/20

DEPARTMENT OF CHEMISTRY

Sl. No	Equipment/Apparatus for Chemistry Laboratory (UG)	Description	Required No.
1	Test tube	Hard glass, 15x125 mm (Natural glass)	
2	Round bottomed flask	a. Borosil – 500ml b. Borosil - 1 Lit	5 2
3	Flat bottomed flask	a. Borosil – 500ml b. Borosil - 1 Lit	10 10
4	Beaker	a. Borosil – 50ml b. Borosil – 100 ml c. Borosil – 250 ml d. Borosil – 500 ml e. Borosil – 1 Lit	24 24 24 12 12
5	Conical flask	a. Borosil – 100 ml b. Borosil – 250 ml c. Borosil – 500 ml d. Borosil – 1 Lit	24 24 12 12
6	Graduated cylinder	a. Borosil – 5ml b. Borosil – 10 ml c. Borosil – 25 ml d. Borosil – 50 ml e. Borosil – 100 ml f. Borosil – 500 ml g. Borosil – 1 Lit	2 5 5 2 2 2 2
7	Graduated Pipette	a. Borosil micropipette with dropper – 1 ml b. Borosil micropipette with dropper – 2 ml c. Borosil micropipette with dropper – 5 ml d. Borosil micropipette with dropper – 10 ml e. Borosil micropipette with dropper – 20 ml	10 10 10 10 10
8	Volumetric pipette	a. Borosil – 1 ml b. Borosil – 2 ml c. Borosil – 5 ml d. Borosil – 10 ml	10 5 5 24
9	Filter Funnel	a. Middle size (Plastic) b. Middle size (Glass) c. Small size (Glass)	12 12 6
10	Burette	a. Micro Burette (Borosil) b. Micro Burette (Plastic) c. Burette – 50 ml	10 10 24
11	Thermometer	Digital	5
12	Buchner Funnel	Standard	2
14	Water condenser	Borosil Glass	1 set
15	Separating funnel	Borosil – 100ml	12
16	Volumetric Flask	a. Borosil – 100 ml b. Borosil – 250 ml c. Borosil – 500 ml d. Borosil – 1 Lit	24 24 24 12
18	Potentiometer	INSIF	1
19	Calorimeter		4
20	Ostwald's viscometer	Borosil apparatus	12
21	PH meter	Systronics	2
22	Stalagmometer	Borosil with Clamp stand and rubber tubing	2
24	Colorimeter	INSF/any available brand	1
25	Magnetic Stirrer		2
26	Digital weight machine	Wenster	1

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DEPARTMENT OF MATHEMATICS

Sl. No	Equipment/Apparatus for Mathematics Laboratory (UG)	Description	Required No.
1	Desktop Computer	HP AIO 22-DD0201IN Desktop (AMD Ryzen 3/4 GB RAM/ 1 TB SATA/21.5(54.61 Cm)/ AMD Integrated Graphics/ Windows 10)	3
2	Projector	LED Projector with world mount	1
3	Printer	MFP	1

DEPARTMENT OF PHYSICS

Sl. No	Equipment/Apparatus for Physics Laboratory (UG)	Description	Required No.
1	Rising Table: (Capillary Rise Method)	Fitted with slow motion for easy movement, fitted with plate at the top, on heavy metal base complete with capillary tube holder, rod & boss-head	2
2	Capillary tube (Glass)	Different dia 0.2mm to 0.4mm	3
3	Capillary tube holder:-	Metallic, To hold three capillaries with pointer	2
4	Spring Constant Laboratory Apparatus	a spiral spring about 25mm in diameter and 10cm long with hook for slotted weight, with meter scale and zero ajuater, fitted on 8"x5" base	1
5	Maxwells needle (with ceiling attachment)	25mm X 400 mm Dia 18cm and graduated with scale divided in millimeters on both sides from 0 to 15cm ; with a small chuck (torsion head) in the middle of which is fixed a plane mirror; Two solid brass cylinders and two hollow cylinders, all of length 10 cm long	2
6	Callender and Barnes Apparatus	A horizontal corning glass tube open at both ends; a coil about 40 cm long of Ni- chrome wire (heating element); apparatus is mounted on a polished wooden base board., a copper calorimeter of 5 X 7.5cm size with outer vessel	2
7	Hot Plate	Electric heater	2
8	Digital balance	Cap. 600gm Sensitivity 0.1gm (100mg). Superior. quality, small size	3
9	Sonometer A/C Frequency Apparatus	The set consists of Step Down Transformer, weights with hanger, a pair of Bar Magnets, an arrangements to place the Bar Magnets, (or Electromagnet) & Wooden Sonometer with brass parts	1
10	Melde's Appratus	Electrically maintained tuning fork, fine thread, scale pan.	1
11	He-Ne Laser (Mountable on Optical	A 5 milliwatt Laser, in built power supply workable on 220V AC. 50Hz. Design for	1

Agred/2/m

	Bench)	continues working, Highly rugged mechanical setup. Up-Down motion for beam.	
12	Optical Bench	Double rod with 1.5meter stainless steel rod	1
13	Traveling Microscope or Vernier Microscope:	Cast Iron good quality with vertical lateral and Horizontal scales (Three Motions).Least Count:0.01mm	1
14	Traveling Microscope for Newton's ring Experiment:	Least Count:0.01mm	1
15	Newton's Ring Apparatus :	a glass plate angle in groove in the sides of a small wooden box at an angle of 45° inside back and a plane glass plate and lense 2" dia.	1
16	Single Slits: (for single slit diffraction)	with rod can be fixed on optical bench	2
17	Double Slits: (for double slit diffraction)	with rod can be fixed on optical bench	2
18	Adjustable slit for optical bench	Spring loaded precision split. Maximum slit opening of 4mm.	2
19	White screen	For optical bench with ruler	1
20	Needle holder	For optical bench	2
21	Prism : For Spectrometer.	Size 32 x 32mm. Flint glass	2
22	Babinet compensator	Micrometer screw reads upto 0.001cm.	1
23	Wollastons air- film	With attachment	1
24	Gaussian Eye piece	For refractive index of glass and liquid	1
25	Polarizer- analyzer pair,	Malus law verification	2
26	Polarizer mount	0 to 360 degree; Mountable to Telescope of spectrometer	2
27	Cathode Ray Oscilloscope	Type of Product : Dual Trace Oscilloscope Bandwidth : 30 MHz Model No : CES 5030 Vertical Sensitivity : 5 mV-5 V/DIV P/P	1
28	RC Circuit characteristics Kit	Built in power supply : +20V variable & 10V variable DC Mains : 230V AC	1
29	Galvanometer :	DC moving coil Range 30-0- 30	5
30	Determination dB/dx Solenoid type	Complete Kit	1
31	De Sautys Bridge Apparatus	sine wave signal of 1KHZ Rotary switch. Circuit Diagram: 4mm socket are provided for making connection. R1, R2 : Two decade dial of x10 & x100 ohms. R1, R2 : Decade dial of x0.1mfd.	1
32	Thevenin and Norton theorems Kit	With Power supply and meters (C.R.)	1
33	Andersons bridge	Andersons bridge Kit	1
34	4-Bit Binary		2

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	Adder and Subtractor Trainer Kit,		
35	BH curve of Fe using solenoid	Features : Power Supply : 2,4,6,8,10,12 V Selectable By using band switch, Control Knob : X Knob, Y Knob Solenoid : Primary 1000 , Secondary 280 Turns	1
36	Four Probe	Four Probe Arrangement Oven up to 200 C Sample Ge Crystal mounted Thermometer 200 degree C Four Probe Setup	1
37	Zeeman Effect Apparatus	Zeeman Effect Apparatus Consists of: (1) Electromagnet (7.5KGauss) with Power Supply(30V/5A) (2) Mercury tube with power supply (3) optical bench (4) Fabry-Perot etalon (5) condenser lens in mount (6) telescope (7) CCTV camera with connecting cables (8) 21 inch LED T.V	1
38	Tunnel diode I- V characteristics	Tunnel diode I-V characteristics Kit	1
39	e/m by (a) Magnetic focusing or (b) Bar magnet.	Power Supply : E.H.T. 800V D.C. for cathode Voltage to C.R. tube. 0-100 volts D.C. with moving coil meters to measure the Deflecting voltage either y1 or y2 Plates. Cathode Ray tube fitted on wooden frame with scale divided in centimeters. Deflecting Magnetometer with permanent magnetic compass included. Compass stand, a pair of Bar Magnet.	1
40	Millikan oil drop apparatus	Lamp house encloses a 12 Volt SMD LED and a condenser lens. Top plate has a small hole separated by a distance of approx 6 to 7mm. and are also provided with terminals for power supply connections. Oil used by the automiser is Mustard Oil. Power supply has AC 300 Volt HT and AC 10 Volts LT.	1
41	Boltzmann constant Kit	Digital DC Voltmeter to measure the voltage across the diode.	1

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DEPARTMENT OF ZOOLOGY

Sl. No	Equipment/Apparatus for Zoology Laboratory (UG)	Description	Required No.
1	Compound Microscope	Monocular/ Binocular	2
2	Microscope	Dissecting	1
3	pH meter	Electronic / Digital	1
4	Burette with stand	Graduate glass Burette Stand – Cast iron	5
5	Weighing balance	digital	1
6	Hot-air Oven	With temp. control, Indicator and Thermostat	1
7	Reflex Hammer	Percussion knee hammer 128 HZ	2
8	Sphygmomanometer	Digital	1
9	Haemoglobinometer	Digital with LCD and stripes	1
10	Haemocytometer	For laboratory medical examination	1
11	Vortex machine	Test tube shaker for laboratory	1
12	Bench top Centrifuge	15 ml capacity	1
13	Refrigerator	5 star, 250 L, Inverter	1
14	Egg incubator	Automatic with accessories	1
15	Distillation Unit	Borosilicate glass unit with 2000 ml rating mantle	1

DEPARTMENT OF HOME SCIENCE

Sl. No	Equipment/Apparatus for Home Science Laboratory (UG)	Description	Required No.
01	Digital weighing machine (for BMI, bone mass, muscle, fat)	Reputed Brand, material – Tempered glass	2
02	Haemoglobin meter	Portable, Wide Hb measurement range, Quick Results, Auto-calibration	1
03	Stadiometer	Material – Stainless steel	1

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