

**TENDER SCHEDULE
FOR
PURCHASE OF SCIENCE
LABORATORY EQUIPMENTS**

TECHNICAL BID



**Gopalpur College, Gopalpur-on-sea, Dist-Ganjam,
Odisha, Pin-761002**

(An affiliated college of Khallikote University, Berhampur)

**GOPALPUR COLLEGE, GOPALPUR-ON-SEA,
DIST-GANJAM, ODISHA, PIN-761002,
TEL: 0680-2343578**

(An affiliated college of Khallikote University, Berhampur)

Tender Ref.No.661/GC/2018

Date: 06.12.2018

TENDER CALL NOTICE

The Principal, Gopalpur College, invites sealed bids from the reputed & experienced vendors for the work mentioned below.

1	Name of work	Supply & Installation of Science equipments for Physics, Chemistry, Botany & Zoology Laboratories.
2	Minimum Eligibility Criteria	Company/Firms/Manufacturer/Authorized Dealer having experience in similar types of works and who are capable of caring out similar type of work are eligible.
3	EMD	Rs.20,000/- to be submitted in the form of DD in favour of Prinicpal, Gopalpur College, Gopalpur on sea
4	Tender Fees (Non Refundable)	Rs.2,000/- in the form of DD in favour of Prinicpal, Gopalpur College, Gopalpur on sea
5	Bid documents to be downloaded from the college website : www.gopalpurcollege.ac.in	From Date: 07.12.2018
6	Last Date/Time of receiving bid	Date: 24.12.2018 Time: 2.00pm
7	Date & Time of opening of Technical Bid	Date: 24.12.2018 Time: 3.00pm
8	Mode of Sending the Bid documents	By Speed/Regd.Post/Courier Services to Office of the Principal, Gopalpur College, Gopalpur on sea, Ganjam
9	Bid Validity Period	6 months
10	LD for delay	Post failure of Completion of Work on stipulated time (Two Months) a penalty amount shall be charged as Liquidated damages by the College.

Conditional bids are not acceptable. Principal, Gopalpur College reserves the right to reject any or all the bids without assigning any reason thereof.

Signature of the Tenderer

Sd/-
Principal

TERMS & CONDITIONS

1. Sealed Tender (Two Bid System) is invited from eligible vendors for purchase of Science Equipments for various laboratories which will be received by 2.00pm of dtd: 17.12.2018 and the technical bid will be opened at 3.00pm on the same day.
2. The Financial Bid will be opened of those tenderers whose technical bid has passed the scrutiny & accepted of the tender committee of the college. The opening of financial bid will be declared later on.
3. The tender should be submitted in two bid system and marked as technical bid in one envelop & financial bid in another. Both the bids should be sealed in one envelop and superscribed as **“Tender for Purchase of Science Laboratory Equipments”**.
4. The cover should be addressed to Principal, Gopalpur College, Gopalpur on sea, Ganjam, Odisha, Pin-761002.
5. The **Technical Bid** should contain EMD of Rs.20,000/-, cost of tender Rs.2,000/-, certificate of manufacturer or their authorized dealers, proof of specification of the tendered items with original brochures & catalogue, copy of PAN, copy of GST Regd. Certificate, last three years IT returns & credentials etc.
6. The tenderer should submit a declaration about warranty periods of the items from the manufacturer and to be enclosed along with technical bid.
7. Tender will not be accepted after the last date and time.
8. In case of any ambiguity and false information found, the tender is liable to be rejected.
9. Price should be quoted in the prescribed proforma (Financial Bid) against each items failing which the tender will not be considered.
10. The tenderer are required to quote their rate both in words in figure and put their signature in the tender documents. On any over writing or any correction in the tendered rate will not be considered.
11. 90% payment will be released after satisfactory installation of consignment within 15days of delivery. Balance 10% payment will be made after satisfactory operational of the equipments within two months.
12. Materials/equipments are required to be supplied by tenderer within 60days of the supply order.
13. The price of items in full and complete set including all parts inclusive of supply, installation, commissioning, packaging, transportation, FOR, all taxes & GST etc. (as applicable) has to be mentioned.
14. Quantity and items may vary at the time of final order.

NB: No Submission of tender in the above mentioned manner and non-submission of enclosures as specified above or submission of more than one tender paper by a tenderer will liable for rejection. The Principal reserves the right of acceptance of the tender, or rejecting without assigning any reason.

Signature of the tenderer

TECHNICAL SPECIFICATION

Sl.No.	Name of The Equipment	Item Description
PHYSICS		
1	Wavelength of sodium light by diffraction grating(complete apparatus set)	Wavelength of sodium light by diffraction grating(complete apparatus set) Provided with SPECTROMETER, Sodium Lamp Setup, Grating. Make : Adarsh/Omega
2	Byprism exp. Set	Complete Set up (Optical bench , Bi Prism Assembly, Sodium Lamp Setup and Byprism) Make : Adarsh/Omega
3	Diameter of narrow wire by optical bench	Diameter of narrow wire by optical bench, Provided with Optical Bench, Diode Laser, Wire Ring and White Screen. Make : Adarsh/Omega
4	Resolving power of telescope	Resolving power of telescope Make :Adarsh/Omega
5	Single & double slit exp.	Single & double slit exp., Provided with optical Bench, diode laser, single Slit & double slit + white Screen. Make :Adarsh/omega
6	Common ammeter Transister	COMMON AMITTER TRANSISTOR AMPLIFIER KIT. Make : Adarsh/Omega
7	e/m by brawm tube set(pisco)	e/m BY THOMPSON METHOD (Bar Magnet) APPARATUS. Make : Adarsh/Omega
8	J by Jule calorimeter(omega)	JOULE'S CALORIMETER, All metal (Set UP) Make : Adarsh/Omega
9	Kater's pendulum(omega)	KATER'S PENDULUM, (Brass) with 120cm long brass rod & wall bracket, Stop watch, Meter Scale and Reading Telescope. Make : Adarsh/Omega
10	Y by bending of beam(omega)	Y by bending of beam, kit. Make : Adarsh/Omega
11	Rigidity modulus by dynamic method(pisco)	RIGIDITY APPARATUS (Dynamical Method) Make : Adarsh/Omega
12	Viscosity by stoke's method set(pisco)	VISCOSITY APPARATUS (Stoke's Law) Make :Adarsh/Omega
13	Surface tension by Quienck's method(complete set)	Surface tension by Quienck's Method (complete set) with mercury. Make : Adarsh/Omega
14	Cantilever Exp.set	Cantilever Exp. set, Provided with stop clock & CANTILEVER APPARATUS, 100cm bar with G-Clamp, Weighing balance. Make : Adarsh/Omega
CHEMISTRY		
1	Checker machine of 32 bottle capacity Model RS 24BL(REMI)	Rotary shakers with Brushless induction motor, frequency drive to control speed from 20 to 300 RPM , Platform size 24x24, suitable for Flasks of 250 ml with flask holders Make : REMI

2	Electrical oven 28 ltr capacity	HOT AIR UNIVERSAL OVEN Double walled, Outer chamber made of M.S. Powder Coated. Temp. upto 250deg C. Thermostatic controlled, Heating Element on three sides. Thermometer is provided on top. The scale is calibrated in 5 deg C Steps, Stainless Steel 12"x12"x12" 28Ltr with digital controller and timer Make : Adarsh/LABGEAR
3	Distillation plant	DISTILLATION APPARATUS Automatic Electrically Heated All Glass Distillation Unit, NPL Design, Heater Embedded In Spiral Glass Tube Complete With Heavy Base, Rod, Clamps, Boards Etc., Double Stage having flask of cap. 3 Litre with automatic cut off : Make : Adarsh
4	Stop watch	PH 247/3 STOP WATCH, Digital 1/100 Sec : Make : Racer
5	Melting & Boiling point detm. Apparatus(digital)	BT 015/2 MELTING POINT APPARATUS, Digital Type (Upto 275 Degree, 03 Digit LED, Readability of 01 Degree. Make: ABTRONICS/EI
<u>BOTANY</u>		
1	Spectrophotometer(U.V)	Single Beam UV---VIS Spectrophotometer Microcontroller Based, Range 200-1000nm with Basic PC Software and 4 position cell changer. PC connectivity through USB port & direct printer connectivity using parallel port interface. Sample compartment can accommodate up to 100mm cuvettes MAKE: EI/LABMAN
2	Paper chromatography (Thin layer)	THIN LAYER CHROMATOGRAPHY APPARATUS Consists of Spreader (Applicator) Perspex Base 114x23cm, Al. Drying Plate rack for ten 20x20cm plates, Spotting Template Perspex, 5 Glass Plate 20x20cm & 2 plates 20x5cm, pipette, Scriber, Glass Sprayer with rubber below & Developing Tank, TLC Kit with Brass Spreader, Make: Adarsh/Omega
3	Microtome	MICROTOME, SPENCER Type, with one razor 120mm and honing stone. Feed range 150 micron in steps of one micron with Automatic feed release device Complete in box with three object holders and raxine cover. Export Quality Product Make : Adarsh/LABTOP
4	Digital PH Meter	Deluxe pH Meter using latest microcontroller, auto temperature compensation, combination pH electrode

		and temperature probe, auto buffer recognition, touch keys, one touch calibration up to 3 point calibration.3½ digit LED display. (Table Model) .Make : EI/LABMAN
5	Centrifuge Machine	Centrifuge machine , Benchtop with digital Speedometer, Speed Regulator through variac rheostat, Digital Timer 0---59 min. Max 5200rpm (without load). 12x15ml Angle Head. Make : Adarsh/LABGEAR
6	Homogenizer	Tissue HOMOGENISER H.P motor speed controlled. Complete with tissue homogenizing cup and rod is made of SS (Vessel : 50 ml) Make: LABGEAR
7	Binocular microscope	MICROSCOPE BINOCULAR with halogen lamp. Two paired eyepiece, with four objective 4x, 10x, 45x, 100x oil imm. & fitted with mechanical Stage, Micron Make, 'ISI Mark' (Model BINO CXL) Co-Axial- Make : Micron
ZOOLOGY		
1	Spectrophotometer(U.V)	Single Beam UV-VIS Spectrophotometer Microcontroller Based, Range 200-1000nm with Basic PC Software and 4 position cell changer. PC connectivity through USB port & direct printer connectivity using parallel port interface. Sample compartment can accommodate up to 100 mm cuvettes MAKE:EI/LABMAN
2	Paper chromatography (Thin layer)	THIN LAYER CHROMATOGRAPHY APPARATUS Consists of Spreader (Applicator) Perspex Base 114x23cm, Al. Drying Plate rack for ten 20x20cm plates, Spotting Template Perspex, 5 Glass Plate 20x20cm & 2 plates20x5cm, pipette, Scriber, Glass Sprayer with rubber below & Developing Tank, TLC Kit with Brass Spreader, Make: Adarsh/Omega
3	Microtome	MICROTOME, SPENCER Type, with one razor 120mm and honing stone. Feed range 150 micron in steps of one micron with automatic feed release deviceComplete in box with three object holders and raxine cover. Export Quality Product Make : Adarsh/LABTOP
4	Digital PH Meter	Deluxe pH Meter using latest microcontroller, auto temperature compensation, combination pH electrode and temperature probe, auto buffer recognition, touch keys, one touch

		calibration up to 3 point calibration.3½ digit LED display. (Table Model) Make : EI/LABMAN
5	Centrifuge Machine	Centrifuge machine, Benchtop With digital Speedometer, Speed Regulator thru variac rheostat, Digital Timer 0-59 min. Max 5200rpm (without load). 12x15ml Angle Head. Make : Adarsh/LABGEAR
6	Homogenizer	Tissue HOMOGENISER H.P motor speed controlled. Complete with tissue homogenizing cup and rod is made of SS (Vessel : 50 ml) Make: LABGEAR
7	Binocular microscope	MICROSCOPE BINOCULAR with halogen lamp. Two paired eyepiece, with four objective 4x, 10x, 45x, 100x oil imm. & fitted with mechanical Stage, Micron Make, 'ISI Mark' (Model BINO CXL) Co-Axial-Micron Make
8	Haemoglobin meter	Haemometer SAHLI's (Round) Superior Make :Toptech
9	Haemocytometer	HAEMOCYTOMETER COMPLETE SET Includes Counting chamber with RBC & WBC Tubes, German (HBG Make) In Plastic Box Packing
10	Micropipette(0.1 to15ml)	Make: Adarsh/Borosil/Tarson
11	Digital Electronic Balance	Digital balance, PGB 600, Least count 0.01 g, Capacity 600 g, MAKE : WENSAR
12	Distillation Glass Make	DISTILLATION APPARATUS Automatic Electrically Heated All Glass Distillation Unit, NPL Design, Heater Embedded In Spiral Glass Tube Complete With Heavy Base, Rod, Clamps, Boards Etc., Double Stage having flask of cap. 3 Litre with automatic cut off. Make: Adarsh
13	Water bath(double wall 12 hole)	WATER BATH (Thermostatic Double Walled), 12 Hole of 75mm Dia . Digital Temperature indicator cum controller . Cap: Approximately 15Ltr. Make :LABGEAR/Adarsh/Omega

Signature of Tenderer

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FINANCIAL BID



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PRICE FOR SCIENCE LABORATORY EQUIPMENTS

Sl. No.	Name of the Equipment	Model/ Make	Qty.	Price
<u>PHYSICS</u>				
1	Wavelength of sedum light by diffraction grating(complete apparatus set)		1	
2	Byprism exp. Set		1	
3	Diameter of narrow wire by optical bench		1	
4	Resolving power of telescope		1	
5	Single & double slit exp.		1	
6	Common ammeter Transister		1	
7	e/m by brawm tube set(pisco)		1	
8	J by Jule calorimeter (omega)		1	
9	Kater's pendulum (omega)		1	
10	Y by bending of beam (omega)		1	
11	Rigidity modulus by dynamic method (pisco)		1	
12	Viscosity by stoke's method set (pisco)		1	
13	Surface tension by Quienck's method(complete set)		1	
14	Cantilever Exp. set		1	
<u>CHEMISTRY</u>				
1	Checker machine of 32 bottle capacity Model RS 24BL(REMI)		1	
2	Electrical oven 28 ltr capacity		1	
3	Distillation plant		1	
4	Stop watch		1	
5	Melting & Boiling point detm. Apparatus(digital)		1	
<u>BOTANY</u>				
1	Spectrophotometer(U.V)		1	
2	Paper chromatography (Thin layer)		1	
3	Microtome		1	
4	Digital PH Meter		1	
5	Centrifuge Machine		1	
6	Homogenizer		1	
7	Binocular microscope		1	

ZOOLOGY

1	Spectrophotometer(U.V)		1	
2	Paper chromatography (Thin layer)		1	
3	Microtome		1	
4	Digital PH Meter		1	
5	Centrifuge Machine		1	
6	Homogenizer		1	
7	Binocular microscope		1	
8	Haemoglobin meter		1	
9	Haemocytometer		1	
10	Micropipette(0.1 to15ml)		1	
11	Digital Electronic Balance		1	
12	Distillation Glass Make		1	
13	Water bath(double wall 12 hole)		1	

Signature of Tenderer