



P.T.M.Govt. College, Perinthalmanna
Pathaikkara Post, Malappuram Dt, Kerala, India, Pin – 679322
PH - 04933 227370, email id - ptmgcpmna@gmail.com

A2/670/2023/Plan

Dated: 30/09/2023

Tender Notice No. 01/2023-24/Plan

Sealed competitive tenders are invited for the supply of Chemicals to Chemistry Lab of this College for an amount of ₹ 2,86,000/- (Rupees Two Lakh Eighty Six Thousand only) under “**Physical, Human and IT Infrastructure Upgradation, Development and Maintenance 2202-03-103-47 (PV)**” during the financial year 2023-24, detailed list is attached. The envelope containing the tender should be superscribed as “**Tender No- 01/2023-24/Plan - Supply of Lab equipments & Instruments to Physics Lab**” and addressed to the Principal, P.T.M.Govt: College Perinthalmanna, Pathaikkara Post, Malappuram Dt, Kerala, India, Pin - 679322. Late tenders will not be accepted. The details of the entire tender procedure is shown in the below table.

1	Last date and time for the sale of Tender form	16/11/2023 at 02.00 pm
2	Last date and time of receipt of filled tender form	16/11/2023 at 03.00 pm
3	Opening of the Tender form	17/11/2023 at 11.30 am
4	EMD	₹ 2,860/-

Intending tenders may make an application to the Principal, P.T.M.Govt: College Perinthalmanna, Pathaikkara Post, Malappuram Dt, Kerala, India, Pin – 679322 to obtain the requisite tender form in which tenders should be submitted. The duly filled in and signed original tender form will only be accepted. Application for the tender form should be accompanied by a **GST paid receipt** of (18% of Cost of tender form ie) and a cash remittance of ₹ 1,000/- (Rupees One Thousand only) which is the price fixed for a tender form and which is not refundable under any circumstances. (₹ 180- GST of tender form is payable through reverse charge mode under GST Rule). The tender forms are not transferable. Cheques, Postal orders, Drafts etc., will not be accepted towards the cost of tender form and the same will not be sent by V.P.P. Those who are required tender form by Registered Post, should sent ₹ 1,032/- (Rupees One Thousand and Thirty Two only) by money order including cost of tender form and registered Postal Charges.

Every tenders should be completely filled in, signed and accompanied by a Demand Draft for an amount of ₹ **2,860/-** (Rupees Two Thousand Eight Hundred and Sixty only) as EMD. EMDs carries no interest. The firms who are exempted from furnishing EMD should attach true copy of the exemption order along with the tender documents. The period of firmness of rate quoted will be up to 31/03/2024. Rates, GST and conditions of supply of articles should clearly be stated separately in respect of each item.

The successful tenders should supply the items within one month after the receipt of the supply order to the college at your own expenses. Every tenderer should execute an agreement in Kerala Stamp worth ₹**200/-** along with the tender. The undersigned will herewith the right to cancel or extend the tender formalities at any time without further notice. The cash transactions in the office are at 10.00 am to 02.00 pm on all working days. More details will be had from the college office on working hours.

Dr.Hamza.K
Principal

Copy to:-

1. The Notice Board
2. Various firms
3. The Director of Printing, Thiruvananthapuram (With C/L)
4. The Secretary, I & P.R.D, Govt. Secretariat, Thiruvananthapuram (With C/L)
5. Principal
6. Senior Superintendent
7. Head Accountant
8. Stock File
9. For Publishing in College Website

Approval Valid

Digitally Approved By

Dr. Hamza.K

Date: 30.09.2023

Reason: Approved

Tender No: 01/2023-24/Plan

Sl No.	Item	Specification
1	Function Generator 30 MHz	sine wave, square wave, triangulat wave, TTL, 100mV to 2V amplitude, 20 dB and 40dB attenuation
2	Digital Storage Oscilloscope	50 MHz Bandwidth, 2 channels, 1GS/s sample rate, 20K points Record length, 8bits vertical resolution, input sensitivity 1 mV/div to 10 V/div max., AC and DC input coupling, 1MOhm input impedance, peak detect, +/- 10 ⁻⁶ timebase accuracy, external trigger input, automated measurements (Period, Frequency, Rise Time, Fall Time, Positive Duty Cycle, Negative Duty Cycle, Positive Pulse Width, Negative Pulse Width, Burst Width, Phase, Positive Overshoot, Negative Overshoot, Peak to Peak, Amplitude, High, Low, Max, Min, Mean, Cycle Mean, RMS, Cycle RMS, Positive Pulse Count, Negative Pulse Count, Rising Edge Count, Falling Edge Count, Area, Cycle Area, Delay FR, Delay FF, Delay FR, and Delay RR)
3	ExpEyes-17	A tool for learning science by exploring and experimenting.
4	Digital Gauss meter with Probe	good quality to read upto 4000 Gauss
5	crystal oscillator and tank for ultrasonic interferrometer	good quality
6	Hot air oven: .	Hot Air Ovens with sturdy double walled units Inner chamber & trays made of S.S. and outer made of Mild Steel with Powder coating. Chamber size (L x B x H): 300x300x300mm ,No. of Trays: 2 , Watts : 1000 w , Approx. Ltr : 28 , Temp. range 50oC to 200oC and Accuracy: +-1oC , With Micro processor based Digital Temperature Controller and digital timer.
7	Desiccator with vaccum pump	for sample keeping

8	Ultrasonic cleaner	ULTRASONIC CLEANER- Model: BR6.8L, BR Biochem make with Two year warranty Capacity (L): 6.8L Frequency: 40KHz Power: 180W Tank Dimension (L*W*H): 300*150*150mm Heating Power: 200W Timing: 1-30 Minutes timing
9	Precision Spectrometer	Good quality PRECISION SPECTROMETER with Two year warranty. Stainless Steel Slit with 6" circle, 1 min reading. Heavy metallic casting provides a sturdy base fitted with Leveling Screws and carries the fixed collimator arm and a swinging Telescope arm. 1" clear aperture with 10x RAMSDEN Eyepiece fitted with cross line glass graticule to produce sharp spectral images.
10	e/m Thomson's Apparatus	e/m Thomson's apparatus: Complete set with at least two year warranty. Experiment setup consists: Power supply, CRT tube, Stand, Compass, Magnet. .
11	Photo-Diode Characteristics	PHOTO-DIODE CHARACTERISTICS: Determination of Responsivity, Quantum efficiency & I-V characteristics. Experiment setup consists Photo diode characteristics kit and Illumination Chamber.
12	Decade capacitance box	Decade capacitance box 4 Dial. Range : 0.1 to 1 farad.
13	Decade inductance box	Decade inductance box 4 Dial. Range - 1 milli Henry to 10 Henry.
14	Optical fibre cable	1m
15	Optical fibre cable	0.5m .
16	Cornus Interference Six Position Travelling Microscope	Good quality Cornus Interference Travelling Microscope without sodium vapour lamp. (Holmarc make) Traveling microscope with precision micrometer, Magnification - 10 X Micrometer travel - 25 mm Least count - 0.01 mm
17	GM counter setup	complete experimental set up with sample holder
18	storage vial 5ml	capacity 5ml
19	storage vial 10 ml	capacity 10 ml
20	micro centrifuge tube	1.5 ml

21	culture bottle	borosil glass
22	conical flask	borosil glass
23	Digital lux meter	Meter and the detector part connected by spiral cable with provision to fix the detector on metal screen

