



MES KEVEEYAM COLLEGE VALANCHERY

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Reaccredited with 'A+' Grade by NAAC (3.44 Score)

Aided by Govt. of Kerala and Affiliated to the University of Calicut

ISO 9001:2015 certified institution

Tender Notice

Sealed tenders are invited for the supply and installation of laboratory chemicals and instruments to the departments Physics, Chemistry and Zoology. The purchase is being implemented using the accumulated balance in the PD account of the college. Separate tenders are invited for the following items. The cost of tender form and EMD are shown against each item.

<i>Tender No</i>	<i>Item</i>	<i>Cost of Tender form</i>	<i>EMD</i>
01/2022-23	Laboratory chemicals and instruments to Department of Chemistry	Rs. 1000+ GST (18%)	Rs. 4500
02/2022-23	Laboratory instruments to Department of Physics	Rs. 600 + GST (18%)	Rs.2500
03/2022-23	Laboratory chemicals and instruments to Department of Zoology	Rs. 600 + GST (18%)	Rs. 2500

Due date and time for receipt of tender	12-04-2023, 5PM
Date and time for opening of tender	13-04-2023, 10 AM
Address of Officer from whom tender forms are to be obtained and to whom tenders are to be sent:	Principal, MES Keveeyam College Valanchery, Malappuram, Kerala-676552

Terms and Conditions

1. The prices quoted should include taxes, transportation and installation charges.
2. The supplier has the responsibility to deliver and install the equipment at our institution.
3. Incomplete and defective tenders will be rejected.
4. The general terms and conditions of the tender will be the same as that specified in Kerala Sore Purchase Manual.
5. The suppliers participating in the tender have to produce a bid agreement in stamped paper (Proforma given as annexure)

Detailed Specifications are attached.

Valanchery
27-03-2023

Principal

Detailed Specifications for the items

Tender No. 01/2022-23 for
Laboratory chemicals and instruments to Department of Chemistry

S NO	PARTICULARS	QTY
1	CHINA DISH 3''	55
2	BEAKER 250 ML	50
3	REAGENT BOTTLE 250ML N/M	190
4	ANILINE 500ML	2
5	TEST TUBE 15X125MM	200
6	TEST TUBE 12X75MM	200
7	TEST TUBE HOLDER BRASS	35
8	TEST TUBE 25X150MM	80
9	FILTER PAPER Whatman NO.1 SHEET NO. 460X570MM	15
10	FILTER PAPER WHATMAN NO.1 CIRCLE 110MM	4
11	FILTER PAPER SHEET	300
12	CENTRIFUGE TUBE 15ML - PLASTIC	50
13	WIRE GAUZE 6X6 1ST QUALITY	50
14	TEST TUBE BRUSH 8''	30
15	IODINE FLASK WITH IC STPR 250ML (5400021)	6
16	CONICAL FLASK 250ML (4980021)	70
17	RUBBER TUBE 8MM	1
18	BUCHNER FUNNEL CORK	2
19	VISCOMETER 80-100SEC OSTAWALD	8
20	PRECISION THERMOMETER 110C Y/B MERCURY	4
21	DIGITAL SCIENTIFIC BALANCE CAP 120GM ACC 0.0001.	1
22	BEAKER 1000ML	2
23	BEAKER 500ML	15
24	TRIPOD STAND 7X5	40
25	BURETTE CLAMP FISHER TYPE	50
26	PETRI DISH 90X15	15
27	RUBBER CONE 250ML/500ML	4
28	SPATULA LARGE 8" STAINLESS STEEL	32
29	COPPER WATER BATH 6"	8
30	MELTING POINT APPARATUS	1
31	WATCH GLASS 100MM	40
32	BEAKER 100ML	40
33	STANDARD FLASK 100ML	40
34	ALUMINIUM NITRATE 500GM	3
35	BENZENE 500ML	1
36	ACETIC ACID GLACIAL SQ 2.5L	2
37	ACETIC ACID GLACIAL SQ 2.5L	1
38	LIQUOR AMMONIA 5LTR	3
39	AMYL ALCOHOL 500ML	1
40	DIETHYL ETHER 500ML	8
41	SODIUM POTASSIUM TARTRATE SQ 500GM	2

42	HYDROGEN PEROXIDE 30% 500ML	2
43	POTASSIUM IODIDE SQ 500GM	3
44	PHENYL HYDRAZINE HYDROCHLORIDE 100GM	1
45	NAPHTHALENE POWDER 500GM	4
46	OXALIC ACID AR 500	3
47	SODIUM NITRITE 500GM	2
48	PARAROSALINE CHLORIDE 10GM	1
49	GLUCOSE 250G AR	2
50	AMMONIUM FERRIC SULPHATE A R 500G	2
51	AMMONIUM THIOCYANATE SQ 500GM	4
52	COBALT NITRATE 100G	2
53	EDTA DISODIUM SALT SQ 500GM	1
54	FERROUS SULPHATE 500GM	2
55	POTASSIUM PERMANGANATE 250GM AR	1
56	SODIUM HYDROXIDE PELLETS 500GM	10
57	SULPHURIC ACID 2.5L	3
58	SULPHURIC ACID AR 2.5L	1
59	PETROLEUM ETHER 500ML	1
60	HYDROCHLORIC ACID 2.5L	4
61	HYDROCHLORIC ACID AR 2.5L	2
62	NITRIC ACID 2.5L	1
63	PHENOL 500ML	6
64	GLYCERINE 500ML	5
65	CALCIUM CHLORIDE FUSED 500GM	2
66	NESSLER'S REAGENT 125ML	1
67	MAGNESIUM NITRATE 500G	2
68	STRONTIUM NITRATE 500GM	2
69	N,N DIMETHYL ANILINE 500ML	1
70	AMMONIUM CARBONATE 500GM	2
71	BORAX 250GM	2
72	ZINC NITRATE 500G	3
73	BARIUM NITRATE 500G	2
74	FERROUS SULPHIDE STICK 1 KG	2
75	METHYL ACETATE 500ML	2
76	SODIUM CHLORIDE 500G	2
77	BIPHENY AMINE 500G	2
78	BIPHENYL 100GM	6
79	BENZALDEHYDE 500ML	2
80	DROPPER PLASTIC	35
81	AMMONIUM OXALATE AR 500G	1
82	AMMONIUM OXALATE 500G	2
83	ZINC OXALATE 500G	2
84	BURETTE 50ML PLASTIC STOPPER	65
85	RETORT STAND 7X5X24 WITH HEAVY BASE	30
86	Measuring Cylinder 500ml (3026024)	1
87	RB FLASK (5400021) 250ML (Fit to 24/29 condenser)	4
88	CONDENSER (2400090) SIZE 24/29, OVERALL HEIGHT 450MM	4

89	BURETTE NARROW 25ML	2
90	3FINGER CLAMP WITH BOSS HEAD	14
91	FUNNEL	40
92	CARBON TETRACHLORIDE 500ML	4
93	ACETONE 99% 2.5 l	1
94	ETHYL ACETATE 2.5 L	1
95	HEXANE 2.5 L	1
96	CHLOROFORM 500ML	2
97	DICHLOROMETHANE 500ML	2
98	ACETONITRILE , 99%, 500ML	2
99	N,N-DIMETHYL FORMAMIDE 250ML	2
100	CHROMATOGRAPHIC COLUMN 300 ML(6100062)	1
101	RETORT RING, BOROSIL (LARR8888003)	36
102	DIGITAL POTENTIOMETER	1
103	FUME CUPBOARD PORTABLE TYPE KEMI MAKE	1
104	STANNOUS CHLORIDE 100G	1
105	AMMONIUM FLUORIDE 250g	2
106	SODIUM BICARBONATE 500G	1
107	SODIUM CARBONATE 500G	2
108	ACETANILIDE 500G	1
109	POTASSIUM CHLORIDE 250G	1
110	QUINHYDRONE 100G	1
111	ACETOPHENONE	2
112	ACETONE 500ML	1
113	GLASS ROD 1 Kg	1
114	CORK FOR CONICAL FLASK	16
115	STOP WATCH	12
116	CORK BORER	1
117	POCELAIN SPOT PLATE	16
118	ZIRCONIUM NITRATE 100G	1
119	SODIUM TELLURATE 20G	1
120	SODIUM TUNGSTATE 100G	2
121	SODIUM METAVANADATE ANHYDROUS 50G	2
122	CHLOROBENZENE	2
123	HYDROXYL AMINE HYDROCHLORIDE	1
124	NITROBENZENE	2
125	Refrigerator-180 L	1

**Tender No. 02/2022-23 for
Laboratory instruments to Department of Physics**

Sl No.	Item	Quantity
1	Reading Telescope Weswox make model number : RT-160 with Two year warranty. Fitted on epoxy finish Heavy round cast iron base with three leveling	1

2	<p>Good quality Precision Spectrometers Weswox make model number : HLS-701 with Two year warranty.</p> <p>STAINLESS STEEL SLIT, 7 INCH CIRCLE , 1 MIN READING. Built in magnifier. Heavy metallic casting provider a sturdy base fitted with Leveling</p> <p>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.</p>	2
3	<p>Kater’s Reversible Pendulum : Labtra Make.</p> <p>Kater’s Reversible Pendulum Bar with wall Bracket & Knife edges in Iron Rod (Mostly asked).</p>	1
4	<p>Dielectric Constant of Solids & Liquids: SES Make. Model: DSL-01 with Two year warranty</p> <p>Range : 0pf 50mf Resolution: 0.01pf</p> <p>Display : 16 x 2 LCD display with back light Accuracy: Better than 1%</p> <p>Zero Setting : Push button zero setting.</p> <p>Three probe arrangements are provided with the set up.</p> <p>Different Samples: Glass, Bakelite, Teflon, PZT Sample (Lead Titanate), Carbon Tetrachloride Liquid.</p> <p>Digital Capacitance Meter: compact direct reading microcontroller based high resolution instrument for the measurement of capacitance of the sample.</p> <p>The Vendor should be ISO 9001:2015 Certified, Having Authorized Service Centre in Calicut with Factory registration and Minimum 10 Years Experience in this Specific Category.</p>	1
5	<p>Digital storage Oscilloscope Scientech 401 with two year warranty</p> <p>Bandwidth 50MHz</p> <p>Real-time Sampling Rate 500 MSa/S(single channel)</p> <p>Equivalent sample rate : 50GSa/S No of channels : 2CH+1EX Display : 7inch TFT Colour LCD</p>	1
6	<p>Function Generators Prominent make model number FG2019D with five year warranty.</p> <p>Output Wave forms :Sine, Square, Triangle with DC Offset (+/-5V). Frequency Range : 0.5Hz to 5MHz , in Seven Ranges</p> <p>Amplitude Range : 20mV to 20Vpp in Three Range. Front Panel Switches : Capacitive Feather Touch</p> <p>Front Panel Controls : Amplitude, Frequency, DC Offset and Duty Cycle. Outputs : Signal Output @ 50 Ohm Output Impedance and TTL Output</p> <p>Display : Four Line, 16 Character LCD Display shows Wave Shape, Signal Amplitude, Output Frequency Range</p> <p>Special Features : Output Short Circuit Protection. Highly Durable Design.</p>	1
7	<p>Newton’s Ring Microscope Dedicated setup : Labtra Make. With Two year warranty.</p> <p>It’s a standard microscope for conducting Newton’s ring experiment.</p> <p>Magnification-30X, Focus is adjusted through Rack and Pinion knob</p> <p>Longitudinal movement of 26 mm is done by rotating the drum provided which reads up to 0.001cm.</p> <p>Complete with optical glass and convex lens inside a metal case. Supplied with well built & polished wooden box.</p>	1
8	Travelling microscope : Labtra Make.	1
9	7C Plano convex lens	1
10	45 Degree Glass Plate	1

11	Fiber Optic Apparatus MITTAL make with Two year warranty To MEASURE Numerical Aperture and Acceptance angle of Optical Fiber. To MEASURE attenuation in Optical Fiber The Apparatus consists of Laser Diode, Objective (10X), Fiber (1 mtr long & 5 mtr long), Dectector, Multimeter, Chucks and bases to hold the assemblies.	1
12	Six Position Travelling Microscope- Labtra make Bridge type pattern casted iron base. The microscope tube is fitted on horizontal slide, having universal motion resorting clip type screw on the block. Fine adjustment is provided with pitch screw Travels horizontally and vertically 17 cm with S. S. scale and scale is divided in ½ mm. Vernier constant from .01mm or .001 cm	1
13	Good Quality Rheostat 40 Ohm: Stead make.	1
14	Good Quality Rheostat 20 Ohm: Stead make	1
15	Good Quality Rheostat 70 Ohm: Stead make.	1
16	Resistance Box (0.1 to 100): Dollar make, Manganin Coils. accuracy +/-0.05% to 0.1%. Standard quality.	1
17	Resistance Box : Dollar make. Plug Type. 1-1000 Ohm range. Manganine coils. accuracy +/-0.05% to 0.1%. Teak wood Box.	1
18	MERCURY VAPOUR LAMP Prominent make model number MVL160P with five year warranty except lamp. Power: 160W with Built in Powersupply White Light Source Wavelength : 400-800nm approx. Mains Supply: 230V,50Hz with Fuse Protection Cabinet: Corrosion free Metal Cabinet with adjustable Slits in Three sides. Illuminated On/Off Switch for Mains Indication	1
19	Sodium Vapour lamp only: 35W. Philips make. SOX lamp.	1
20	EDF Prism 32 X 32 mm	1
21	Melde's Apparatus- New ESA make With Two year warranty Electrically maintained tuning fork with tungsten contacts, pulley, clamp & scale pan- tested With Powersupply	1
22	Searl's Vibration Magnetometer in glass jar- ESA make	1
23	Good quality Digital Multimeter HTC Make model number - DM-86 3½ Digit Multimeter with Backlight 1,999 Count Non Contact Voltage (NCV) Auto Power Off (APO) under natural operation True RMS With two year warranty.	1
24	Diffraction grating - Dollar make size 38 X 32mm 15000 lines per inch.	1
25	Good quality Optic lever New ESA make with Two year warranty.	1
26	Cantilever	1
27	Single Slit Diffraction Setup: The Set up consist of Single Slit, Lens, Optic rail, Diode Laser with Stand, Lux meter, White screen.	1

28	<p>Nvis 6044 Lee's Disc Setup</p> <p>The setup consists of electric oven with container, Lee's Disc, heat chamber, different types of samples and an attractive microcontroller based measurement unit. This unit consist of a digital timer and temperature sensors with resolution of 0.5°C. The Coefficient of Thermal Conductivity, sometimes called the Kfactor, is expressed as the quantity of heat that passes through a unit cube of the substance in unit time when the difference in temperature of two faces is 1°C.</p>	1
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**Tender No. 03/2022-23 for
Laboratory chemicals and instruments to Department of Zoology**

Sl. No	Item	Qty
1	Stereo binocular microscope (mini)with 45 ^o inclined Head, LED Light	1
2	Stainless steel autoclave(12''X16'')30Ltrs-JE Medgard	1
3	15 ml Graduated Centrifuge Tube,Conical Bottom	(1Pack - 25)
4	Laboratory heating mantle (500ml)	1
5	Soxhlet Extractor (500ml) glass	1
6	Laminar air flow chamber	1
7	Labomed monocular microscope wit battery backup	4
8	Insect storage box for lab (43X30X11 cm)	2
9	BINOCULAR PROSTAFF 3S 10X42 (NIKON)	3
10	Micropipette(Tarson: 1ML)	1
11	Micropipette Tip(Tarson: 1ML)	1
12	Micropipette(Tarson: 100 ML)	1
13	Micropipette tip(Tarson:100 ML)	1
14	Minicentrifuge (Rotor-gusto)	1
15	Centrifuge tube 15ml	(2 packets:25 No)
16	Water bath- Rectangular (15 Ltr)	1
17	Compound microscope - Magnus	5
18	MAGNUS STEREO MICROSCOPE MODEL MS-24	1

Annexure 1

AGREEMENT

Articles of agreement executed on this the day of
..... between the Principal, MES Keveeyam College, Valanchery
(hereinafter referred
to as “the College”) of the one part and Shri.....
..... (H.E. name and address of the tenderer) (hereinafter
referred to as “the bounden”) of the other part. WHEREAS in response to the Notification
No..... dated the bounden has submitted to the College a tender for the
..... specification therein subject to the terms and conditions contained in the said tender;
WHEREAS the bounden has also deposited with the College a sum of
'..... as earnest money for execution of an agreement undertaking the
due fulfillment of the contract in case his tender is accepted by the College.

NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows:

1. In case the tender submitted by the bounden is accepted by the College and the contract for is awarded to the bounden, the bounden shall withindays of acceptance of his tender execute an agreement with the College incorporating all the terms and conditions under which the College accepts his tender.
2. In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, the College shall have power and authority to recover from the bounden any loss or damage caused to the College by such breach as may be determined by the College by appropriating the earnest money deposited by the bounden and if the earnest money is found to be inadequate the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner hereinafter contained.
3. All sums found due to the College under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as the College may deem fit.college(H.E. name and designation) for and on behalf of the College of Kerala and Shri..... Bounden have hereunto set their hands the day and year shown against their respective signatures.

Signed by Shri. (date)

In the presence of witnesses:

1.

2.

Signed by Shri. (date)

In the presence of witnesses:

1.

2.