

E-TENDER NOTICE

E- Tender is invited for the supply of **GLASS WARES AND EQUIPMENTS in Chemistry lab** of this college under Development of Laboratories, Libraries & furniture (Plan Fund 2021-22). Value of E-Tender is 12,60,960/- (Rupees Twelve lakh Sixty Thousand Nine Hundred and Sixty Only).

The Tender should be superscribed " **Tender No. A1/1157/2021/NMSGCK - Supply of Glass Wares and Equipments in Chemistry Lab** " and addressed to the Principal , NMSM Govt. college, Kalpetta - 673122. The following hard copy (Documents) should be submitted to this college on or before 03/02/2022 as detailed below.

Documents

1. Duly filled preliminary agreement in Kerala Stamp Paper
2. If any certificate for exemption for tender fee/EMD
3. Additional specification if you have
4. BOQ (Bill of Quantity)

All the documents to be uploaded in the website in pdf format except BOQ which should be in excel format.

All payments should be made on online process

Tender Cost Fee	: 2363/- + 425/- (GST 18%)
EMD Amount	: 1%
Date of E-tender Publishing	: 18/01/2022
Last date of E-tender Submission	: 02/02/2022 2 PM
Date of Opening E-tender	: 03/02/2022 3 PM

Hard copies of the uploaded documents duly signed should be submitted to the office along with cover details on or before 02/02/2022.

Note: Requirement of the Institution is attached herewith.

Approval Valid

Digitally Approved By
SHAJI THASANEUS
Date: 15/01/2022
Reason: Approved

Glass wares & equipments Required for Chemistry Lab		
Sl No	Items	Quantity (Nos)
1	Pipette 20 ml, Glass, Borosil	40
2	Burette, 50 ml, Glass, Borosil with PTFE Key	60
3	Conical flask, 250 ml, Glass, Borosil	70
4	Beaker, 500 ml, Glass, Borosil	25
5	Beaker, 100 ml, Glass, Borosil	20
6	Beaker, 1000 ml, Glass, Borosil	5
7	Beaker, 2000 ml, Glass, Borosil	4
8	Burette stand with clamp, Metal	60
9	Reagent bottle 250 ml, Ordinary glass	200
10	Reagent bottle 200 ml, Ordinary glass, wide mouth	50
11	Solution bottle, 40 ml, Borosil	40
12	Pipette Graduated 5 ml, Borosil	10
13	Pipette Graduated 10 ml, Borosil	10
14	Pipette Graduated 5 ml, Borosil	3
15	Pipette Graduated 1 ml, Borosil	3
16	Glass rod, Ordinary, 50 cm long, 5mm dia	50
17	Filter paper ordinary -sheet	100
18	Pipette stand	3
19	Glass bottle 2 litre	2
20	Glass bottle 5 litre	2
21	Water Bath -digital, with 6 holes	2
22	Test tube holder	40

23	Bunsen Burner	40
24	Gas pipe -material -rubber & steel, 8mm inner dia	20
25	Analytical Balance (0.1g resolution, Minimum 1 kg capacity)	1
26	Test tube (5mL) Borosilicate glass	200
27	Test tube (10 mL) Borosilicate glass	200
28	Analytical Balance (0.1mg resolution, 220g capacity)	2
29	Test tube(15mL) Borosilicate glass	200
30	Wiregauze	6
31	Measuring jar(5mL),borosilicate	5
32	Spatula, Nickel stainless steel	50
33	Tripod stand, stainless steel	50
34	Watch glass, 10 cm dia	40
35	Watch glass, big	30
36	Std flask (250 ml) borosil with ground glass stopper	40
37	Std flask (500 ml) borosil with ground glass stopper	4
38	Std flask (1000 ml) borosil with ground glass stopper	4
39	Std flask (100 ml) borosil with ground glass stopper	40
40	Wash bottle (LDPE, 500ml capacity, flexible with screw cap)	50
41	Test tube stand Plastic	40
42	China dish (capacity 50ml)	30
43	Beral pipette (2 ml capacity)	100
44	Boiling tube (30ml)	30
45	Centrifugal tube (15ml, plane),borosilicate glass	150
46	Centrifuge - rotor capacity 4x15ml, speed 3500rpm	2

47	Measuring jar(5mL),borosilicate	3
48	Measuring jar(25mL),borosilicate	3
49	Kipp's apparatus - borosilicte glass (500mL)	2
50	Plastic Bucket with Lid, 15 litre, gemplast	4
51	Funnel , Glass , upper dia-12 cm	5
52	Funnel , Glass , upper dia-7 cm	40
53	Hand centrifuge with four tubes	5
54	Ultra centrifuge with 4-6 tubes, 10000 rpm	1
55	Plastic water drum with lid -50 litre capacity	2
56	Plastic tray, H-7 cm, L-38 cm, W-28	30
57	Plastic Bucket with Lid, 20 litre, gemplast	2
58	Plastic mug, 1 litre, gemplast	35
59	Plastic mug, 0.5 litre, gemplast	30
60	Silica Crucible with lid (capacity 20ml)	40
61	Sintered Glass Crucible, Capacity: 50 mL,Borosil	30
62	Electric Bunsen (60mm diameter, 50mm deep, stainless steel cylindrical body, operated on 230 Volts, 50Cps, 10AC, 200watts)	10
63	Filter paper (ash less for quantitative purpose) - sheet	50
64	Whatman filterpaper no. 40(Ashless, circles, 110mm) - packet	8
65	Mortar and pestle	350
66	Pipette bulb (rubber, for 20 ml pipette)	30
67	Pipette controller (for 20ml borosil pipette)	2
68	200°C with a sensitivity of $\pm 1^\circ\text{C}$, and 45 liter capacity with two shelves.	1
69	Soxhlet apparatus, borosilicate, transparent class, 500mL (500ml RB flask and attached water condenser)	1
70	Crucible tongs, stainless steel	40

71	Water distillation unit, All glass, single stage with auto cut-off, borosilicate glass	1
72	Clay pipe triangle	50
73	White Tile (Porcelin), 6 inch x 6 inch)	40
74	GLASS DESICCATOR WITH COVER KNOB & PORCELAIN PLATE ONE UNIT. 150MM	30
75	made of SS316, built-in microsuction filter, Max. Pressure-35psi, motor-1/16 HP, flow-15L/min	1
76	Ph meter (range 0 to 14 ph) with electrode	1
77	Conductivity meter (range 0 to 1000 mhos) with conductivity cell	1
78	Abbe Refractometer, Brix: range 0-95%, accuracy 0.1%, R.I: range 1.3000-1.7000 nD, accuracy 0.0002 nD	1
79	Colorimeter 8 filter auto zero	1
80	Spectrophotometer range 340 to 960nm visible	1
81	Conical flask 100 ml	10
82	Viscometer, with 20ml bulb	8
83	Thermometer 100°C	10
84	Stop watch, digital	6
85	Standard flask, 50 ml	50
86	Rubber cork ,set	1
87	Weighing bottle	10
88	Refrigerator, Stabilizer Free Operation	1
89	Laboratory fume hood Table mounting, with height adjustable front glass, exhaust fan and light	1
90	Rectangular Hot Plate with Cast Iron Top & Energy Regulator, 25x40x15cm	1