

ADMINISTRATION OF DNH AND DAMAN & DIU
OFFICE OF THE PRINCIPAL,
GOVERNMENT COLLEGE, DAMAN
DAMAN-396210.

No.GC/DMN/ EST-Equipments/2020-21/

Dated: /10/2020

ANNEXURE-I

Purchase items of Chemistry Department of Government College, Daman.

List of Recurring items:

Table-II: List of Chemicals :

Sr. No.	Name of the Chemical	Quantity	Required Unit	Cost (Rs.) (per unit)	Total Cost (Rs.)
1.	1,4-Dichlorobenzene	500 gm	01		
2.	1,4-Dioxane	500 ml	01		
3.	Ferric Chloride	500 gm	03		
4.	Formaldehyde Solution	500 ml	05		
5.	Glacial Acetic Acid	2.5 lit	05		
6.	Glycerol	500 ml	02		
7.	Iodine	100 gm	02		
8.	Perchloric Acid	500 ml	01		
9.	o-Chlorobenzaldehyde	100 ml	02		
10.	o-Phosphoric Acid	500 ml	02		
11.	Magnesium Sulphate	500 gm	02		
12.	1-Naphthol	500 gm	01		
13.	2-Naphthol	500 gm	01		
14.	Acetamide	500 gm	02		
15.	Acetanilide	500 gm	01		
16.	Acetic Anhydride	500 ml	01		
17.	Acetophenone	500 ml	02		
18.	Acetyl Chloride	500 ml	02		
19.	Aluminium Sulphate	500 gm	03		
20.	Ammonium Acetate	500 gm	03		
21.	Ammonium Bromide	500 gm	01		
22.	Ammonium Ferrous Sulphate	500 gm	05		
23.	Ammonium Metavanadate	100 gm	01		
24.	Ammonium Phosphate	500 gm	02		
25.	Anhydrous Aluminum Chloride	500 gm	02		
26.	Anhydrous Zinc Chloride	500 gm	02		
27.	Aniline	500 ml	02		
28.	Anthranilic Acid	500 gm	01		
29.	Anthraquinone	500 gm	01		
30.	Barium Carbonate	500 gm	02		

31.	Benzamide	500 gm	01		
32.	Benzoic Acid	500 gm	03		
33.	Benzophenone	500 gm	02		
34.	Benzopinacol	500 gm	01		
35.	Benzoyl Chloride	500 ml	02		
36.	Biphenyl	100 gm	02		
37.	Bismuth Nitrate	500 gm	01		
38.	Bleaching Powder	500 gm	02		
39.	Borax Powder	500 gm	01		
40.	Brass Metal	500 gm	01		
41.	Bromobenzene	250 ml	02		
42.	Bromophenol Blue Indicator	25 gm	02		
43.	Buffer (PH – 4)	1 boxes (10 cps each)	05		
44.	Buffer (PH – 7)	1 boxes (10 cps each)	05		
45.	Buffer (PH – 9)	1 boxes (10 cps each)	05		
46.	Buffer solution PH 10.0	500 ml	01		
47.	Cadmium Carbonate	500 gm	01		
48.	Cadmium Chloride	500 gm	01		
49.	Calcium Carbonate	500 gm	03		
50.	Calcium Chloride	500 gm	05		
51.	Calcium Nitrate	500 gm	05		
52.	Calcium Oxide Powder	500 gm	02		
53.	Charcoal	500 gm	03		
54.	Chlorobenzene	500 ml	02		
55.	Chromium Chloride	500 gm	01		
56.	Cinnamic Acid	500 gm	02		
57.	Conc. Hydrochloric Acid	2.5 lit	10		
58.	Copper Powder	500 gm	01		
59.	Copper Turning	500 gm	01		
60.	Crystal Violet	25 gm	02		
61.	Cupric Sulphate	500 gm	02		
62.	Cuprous Chloride	500 gm	01		
63.	Cuprous Iodide	100 gm	01		
64.	Cuprous Oxide	500 gm	01		
65.	Cyclohexanone	500 ml	01		
66.	Diethylether	2.5 lit	02		
67.	Dimethylformamide	500 ml	05		
68.	Dimethylsulfoxide	500 ml	03		
69.	Eriochrom Black-T	100 gm	02		
70.	Ethanol	2.5 lit	05		
71.	Ethyl Acetoacetate	500 ml	02		

72.	Ethyl Acetate	2.5 lit	02		
73.	Fast Sulphone Black-F	25 gm	02		
74.	Ferric Phosphate	500 gm	01		
75.	Formic Acid	500 ml	03		
76.	Furan	500 ml	01		
77.	Hematite Ore	500 gm	02		
78.	Hexamine	500 gm	02		
79.	Hippuric Acid	500 gm	01		
80.	Hydrogen Peroxide 30%	100 ml	10		
81.	Isoniazid	100 gm	01		
82.	Lead Nitrate	500 gm	02		
83.	Liq. Ammonia	2.5 lit	10		
84.	L-Proline	25 gm	01		
85.	Magnesium Carbonate	500 gm	02		
86.	Magnesium Turning	500 gm	01		
87.	Maleic Acid	500 gm	02		
88.	Manganese (II) Chloride	500 gm	02		
89.	Manganese (II) Sulphate	500 gm	02		
90.	m-Cresol	500 ml	01		
91.	m-Dinitrobenzene	500 gm	01		
92.	Methanol	2.5 lit	03		
93.	Methyl acetate	500 ml	03		
94.	Methylthymol blue	1 gm	01		
95.	m-Nitroaniline	250 gm	01		
96.	m-Nitrobenzaldehyde	100 gm	02		
97.	m-Nitrophenol	500 gm	02		
98.	m-Xylene	500 ml	02		
99.	n –Butanol	500 ml	04		
100.	N, N-Diethylaniline	500 ml	01		
101.	N, N-Dimethylaniline	500 ml	01		
102.	Naphthalene	500 gm	02		
103.	Nickel Carbonate	500 gm	01		
104.	Nickel Sulphate	500 gm	01		
105.	o-Chloroaniline	500 gm	01		
106.	o-Cresol	500 ml	01		
107.	o-Nitroaniline	500 gm	01		
108.	o-Nitrophenol	500 gm	01		
109.	o-Phenylenediamine	250 gm	01		
110.	o-Xylene	500 ml	02		
111.	p- Toluidine	500 gm	01		
112.	p-Anisaldehyde	250 ml	02		
113.	Paraffin Oil	2.5 lit	01		
114.	p-Chlorobenzaldehyde	100 gm	01		
115.	p-Cresol	500 ml	01		
116.	Phenolphthalein	100 gm	02		

117.	Phenylacetic Acid	500 gm	01		
118.	Phenyl Hydrazine	500 gm	01		
119.	Phosphorus pentachloride	500 gm	02		
120.	Phosphorus oxychloride	500 ml	02		
121.	Phosphoryl Chloride	500 ml	01		
122.	Phthalic Acid	500 gm	02		
123.	Phthalic Anhydride	500 gm	02		
124.	p-Nitroaniline	500 gm	02		
125.	p-Nitrobenzaldehyde	25 gm	02		
126.	p-Nitrophenol	500 gm	01		
127.	p-Nitrotoluene	500 gm	02		
128.	Polyvinyl alcohol	500 gm	01		
129.	Potassium Bromate	500 gm	02		
130.	Potassium Bromide	500 gm	04		
131.	Potassium Chromate	500 gm	01		
132.	Potassium Permanganate	500 gm	03		
133.	Potassium Ferrocyanide	500 gm	01		
134.	Potassium Nitrite	250 gm	01		
135.	Potassium persulfate	500 gm	04		
136.	Potassium Pyroantimonate	25 gm	02		
137.	Phenol	500 gm	02		
138.	Picric Acid	500 gm	01		
139.	Potassium Carbonate	500 gm	02		
140.	Potassium Sulphate	500 gm	03		
141.	p-Xylene	500 ml	02		
142.	Resorcinol	500 gm	01		
143.	Salicylaldehyde	250 ml	02		
144.	Sodium Hydroxide	500 gm	10		
145.	Sodium Acetate	500 gm	01		
146.	Sodium Benzoate	500 gm	02		
147.	Sodium Bisulphite	500 gm	02		
148.	Sodium Bromate	500 gm	01		
149.	Sodium Bromide	500 gm	02		
150.	Sodium Dithionate	500 gm	02		
151.	Sodium Nitrate	500 gm	03		
152.	Sodium Nitropruside	100 gm	02		
153.	Sodium Naphthionate	500 gm	02		
154.	Sodium Sulphate	500 gm	04		
155.	Solder Alloy	500 gm	01		
156.	Starch Powder	500 gm	02		
157.	Strontium Carbonate	500 gm	01		
158.	Strontium Chloride	500 gm	02		
159.	Strontium Nitrate	500 gm	01		
160.	Succinic Acid	500 gm	02		

161.	Sulphurous Acid	500 ml	02		
162.	Thionyl Chloride	500 ml	02		
163.	Tin (II) Chloride	500 gm	01		
164.	Tin Metal	100 gm	02		
165.	Triethanolamine	500 ml	02		
166.	Triethylamine	500 ml	02		
167.	Toluene	500 ml	04		
168.	Xylenol Orange	10 gm	03		
169.	Yellow Ammonium Sulphide	500 ml	02		
170.	Zinc Carbonate	500 gm	02		
171.	Zinc Dust	500 gm	02		
172.	Zinc Foil	500 gm	01		
173.	Zinc Sulphide	500 gm	01		
174.	Zinc Sulphate	500 gm	01		
Total Cost (Rs.)					

Table-IV: List of Glassware/Other consumable items:

Sr. No.	Items	Required Quantity	Cost (Rs.) (per unit)	Total Cost (Rs.)
1.	Burette (25 ml)	20 pieces		
2.	Burette (50 ml)	20 pieces		
3.	Glass Measuring Cylinder (10 ml)	20 pieces		
4.	Glass Measuring Cylinder (50 ml)	20 pieces		
5.	Glass Measuring Cylinder (100 ml)	10 pieces		
6.	Glass Indicator Bottle (100 ml)	10 pieces		
7.	Mortar & Pestle Sets for grinding (small size)	05 pieces		
8.	Mortar & Pestle Sets for grinding (Big size)	02 pieces		
9.	Rubber Suction Ball (Big Size)	20 pieces		
10.	Evaporating Dishes, Flat Bottom, with Pour Out, 165 ml (80x45 mm O.D. x height)	15 pieces		
11.	Petri Dishes, 80 x17 mm Height	15 pieces		
12.	Powder Funnel	02 pieces		
13.	Separating Funnel Pear Shape with PTFE Key Stopcock B24/29, 250 ml	10 pieces		
14.	Separating Funnel Pear Shape with PTFE Key Stopcock B24/29, 500 ml	10 pieces		
15.	Rubber Pipe for condenser	50 meter		
16.	Whatman Paper no 1 Sheets Grade No. 1	2 Pkts		
17.	Microscope Slides (76x26x1 mm)	10 pkts		
18.	Watch Glasses 120 ml	50 cases		
19.	Pipette 25 ml	30 Nos		

20.	Ordinary Filter Paper Sheets	10 Pkts		
21.	Plastic capsule	30 No		
22.	Whatman filter paper 40	2 Pkts		
23.	Whatman filter paper 41	2 Pkts		
24.	Whatman filter paper 42	2 Pkts		
25.	Acid resistance Hand gloves	05 Nos		
26.	Gas mask	1 Nos		
27.	Teflon Tape (12 mm x 8m), White	10 Nos		
28.	Plastic Measuring Cylinder (5 ml)	10 pieces		
29.	Plastic Measuring Cylinder (10 ml)	10 pieces		
30.	Plastic Measuring Cylinder (25 ml)	10 pieces		
31.	Plastic Measuring Cylinder (50 ml)	20 pieces		
32.	Plastic Measuring Cylinder (100 ml)	10 pieces		
33.	Plastic Measuring Cylinder (500 ml)	10 pieces		
34.	Plastic Measuring Cylinder (1000 ml)	05 pieces		
Total Cost (Rs.)				

Table-VI: List of Non Recurring items:

Sr. No.	Name of Instrument	Quantity	Specification	Rate per unit (Rs.)	Total Cost (Rs.)
1.	Vacuum pump	02	<p>Double Stage Vacuum Pump: Free air Displacement: 12 CFM ; Power: 1 HP; Ultimate Vaccum: 15 microns: Voltage Required: 220V / 50Hz; Motor Speed: 2880rpm.</p> <p>Application: The Vacuum Pump is applicable to vacuum packaging, vacuum freezing, automobile reparation, gas analysis, medicine mechanism, printing mechanism and other vacuum evacuations</p> <p>Material: Robust die alloy aluminum housing and cooling fan make the pump cool and run efficiently for a longer time and supports excellent heat dissipation.</p> <p>Specification: The air passage is specially designed to prevent oil from flowing back to contaminate chamber after pump stopped.</p> <p>Lubrication: Use clean filtered oil to all internal bearings to help reduce heat & maintenance. It has an oil capacity of 590 ml.</p>		
2.	Magnetic Stirrer with Hot Plate and Stirring Magnet bar of different	06	<p>Digital (LCD) Magnetic Stirrer & Hot Plate</p> <p>Number of stirring positions:01</p> <p>Stirring quantity max. per stirring position (H₂O): 6L</p>		

	size		Stirring quantity max. (H ₂ O): 6 L Motor rating input: 15 W Motor rating output: 1.5 W Speed display: Scale Speed range: 100 – 500 RPM Stirring bar length max.: 80 mm Heating rate (1 L H ₂ O in H 15): 5 K/min Heating temperature range: 50 – 350 °C Dimensions (W xH xD): 220 x 105 x 330 mm Weight: 5 Kg Voltage: 230 / 120 / 100 V Frequency: 50/60 Hz Power input: 1020 W		
3.	Magnetic Needles	30	0.25" (10), 0.5" (10), 1.0" (10)		
4.	Digital Potentiometer (with 3 Extra electrode)	04	Display type: 3 and half digit LED display Measurable Conductivity range: Auto ranging, Maximum of measuring Range for conductivity (mS/cm): 1, Number of Ranges (Nos.): 1, Resolution (µS/cm): 0.1 Type of Temperature Compensation: Automatic		
5.	Analytical weighing Balance	01	Type of Electronic Weighing Machine: Electronic Precision Pan Balance, Rated Load/ Capacity(kg): 1000 gm, Resolution(gms): 1.0 mg, Class type: Class-I Display: cd, Number of Display: single Internal calibration: Yes, Connectivity to Computer: no, Battery Backup: Yes Backup time(hour): 10, Battery type: chargeable		
6.	Laboratory Centrifuge for test tube	01	Conformity to standards: CE Rotor configuration: Angle Rotor Maximum Volume of the tube testable: 15 ml centrifuges tubes, Rotor Size: 36x15ml		
7.	Ubbelohde Viscometer	10	200-250 Seconds (water)		
8.	Stalagmometer	04	100-125 drops (water)		
9.	Heating Mantle	10	Capacity 500 ml (5 nos.) & 250 ml (5 nos.)		
10.	Rotary	01	Rotary Evaporator: With colored TFT touch Screen Display (All in one, Digital Temp ,		

	Evaporator with vacuum pump, chiller and one extra set of required glassware		<p>Timer & RPM)</p> <p>Temperature range : Ambient to 98 - 100 ° C</p> <p>Digital Water Bath Cap : 1ltr / 2 lt/ 5 ltr</p> <p>Computer Interface through USB for data logging</p> <p>Timer : upto 99 : 59 hh : mm</p> <p>RPM : 20-280</p> <p>Water Low Protection</p> <p>Digital Motor Drive</p> <p>High Motor Torque Operation</p> <p>Heater : 1000 watts</p> <p>Power : 220 V AC, 50 Hz</p> <p>Multi program facility</p> <p>Vacuum Pump with Vacuum Controller:</p> <p>Vaccum Pump Chemi Series, 1/8 HP , 60 W , 18 LPM</p> <p>Recirculating Chiller:</p> <p>Working at a constant temperature and compact recirculating chiller designed for one rotary evaporator or other small distillation instruments.</p> <p>Temperature Range: Fix +10°C</p> <p>Cooling Capacity: 400W at 10°C</p> <p>Voltage: 220 - 240V.</p>		
11.	Hot Plate	02	<p>Dimension – 177 x 267 x 102 mm</p> <p>Work plate size (cm) – 16.5 x 16.5</p> <p>Weight – 2.2 kg</p> <p>Voltage - 220 – 240 V</p>		
Total Cost (Rs.)					

Principal
Government College, Daman.

**U. T. ADMINISTRATION OF DNH AND DAMAN & DIU
OFFICE OF THE PRINCIPAL,
GOVERNMENT COLLEGE, DAMAN
DAMAN-396210.**

No.GC/DMN/ EST-Equipments/2020-21/

Dated: /10/2020

QUOTATION NOTICE

Quotations are invited for the scientific instruments as detailed in Annexure-I and as per the terms and conditions prescribed herein.

Terms & Conditions:-

1. The interested parties should quote their offer/rates on letter-head under their signature & Seal along with Quotation form.
2. The rate should be inclusive of all taxes (GST).
3. The required instruments should be supplied with minimum of 02(Two) years warranty period and after that if required repairing/servicing will be availed from the supplier on demand by the college.
4. No payment will be made until Installation and Demonstration report is submitted by HOD of Chemistry Department of Government College Daman to this office and will be paid on passing of bill, no extra payment for Installation and Demonstration.
5. The payment will be made only to the direct bank account after successful Installation and Demonstration of all the equipments as contained in the annexure -1 to the satisfaction of the Principal, Government College, Daman.
6. The sealed Quotations superscripted in capital letters "Purchase items of Chemistry Department of Government College, Daman." AT THE TOP OF THE ENVELOP SHOULD REACH AT THE OFFICE OF THE UNDERSIGNED ON OR BEFORE -12-2020 UPTO 13:00 HRS. By Post/Courier or may be submitted at the office of the undersigned.
7. The Quotation will be opened on the same date at 16.00 Hrs. by purchase committee of the College in the presence of the parties or their authorized representative if possible.
8. The term and conditions of this notice including those prescribed by this office should be acceptable to the service providers. No separate agreement will be executed for the purpose.
9. In the event of any dispute, the decision of the undersigned shall be final and binding on suppliers. All legal disputes, if any, arising out of this shall be within the jurisdiction of Daman.
10. The right to reject or accept any or all Quotations is reserved without assigning any reason there of is by the undersigned.
11. The selected L1 tender items of the party has to be submitted 10% security amount as a deposit for one year to the Principal, Government College, Daman.
12. Tender fee Rs.1500/- may be submitted by Demand Draft (DD) in favour of The Principal Government College, Daman.

Principal
Government College, Daman.

Copy to:

1. The SIO, NIC, Daman