

# GOKHALE MEMORIAL GIRLS' COLLEGE

1//1, HARISH MUKHERJEE ROAD, KOLKATA-700 020

## Notice Inviting Quotations for Equipments & Chemicals

Tenders are invited in sealed envelopes from reputed suppliers by Gokhale Memorial Girls' College, Kolkata, for the purchase of the following laboratory equipments & chemicals for different subjects (Chemistry, CNDV, Physics & Psychology). The envelope must be sealed & superscribed as "Q/SUBJECT (As applicable) & Confidential". The sealed envelopes for each subject should be submitted at the College Office-I from Friday, 09/03/18 to Friday, 16/03/18 between 12 noon – 3 pm. Bidders will be intimated in due time after opening of the quotations.

### TERMS & CONDITIONS:

1. Only reputed suppliers can bid the quotation for any or all of the items with their Income Tax/ Sale Tax clearance certificate, GST Registration number & Credentials without which the quotation will be summarily rejected.
2. The College reserves the rights to accept or cancel bid, unilaterally without assigning any reason prior to placement of supply orders without incurring any liability or any obligation and no correspondence from either side in that matter will be entertained.
3. The laboratory equipments & chemicals must be supplied to the College within three weeks of the confirmed order. Any deviation in this regard will attract Stop Payment of the bill submitted.
4. The rates will be inclusive of delivery charges and GST etc and must be valid for one year.
5. The materials will be rejected if any defect and/or deviation in quality from specification or of old stock is found.

Date: 09/03/18

Place: Kolkata-700020

**Department of CNDV**

**Academic Session 2017-18**

**List of the chemicals (as per C.U. syllabus) to be purchased:**

<b>Sl. No.</b>	<b>Item</b>	<b>Description</b>	<b>Make</b>	<b>No. of set/unit</b>
1	Ethanol Absolute	500 ml	-	3 bottles
2	Beef Extract powder	500 g	Merck	1 bottle

**Department of CNDV**

**Academic Session 2017-18**

**List of the Equipments (as per C.U. syllabus) to be purchased:**

<b>Sl. No.</b>	<b>Item</b>	<b>Description</b>	<b>Make</b>	<b>No. of set/unit</b>
1	Capillary tube	Diameter: 1-2 mm, Length: min. 10 cm	-	50 no.
2	Filter paper	-	-	1 packet
3	Permanent slide section	Duodenum	-	1
4	Micro Spatula spoon	8 inches (200 mm), stainless steel, 1 side spoon, 1 side flat	-	5 pieces pack-1
5	Sphygmomanometer	Inflatable cuff + Dial	Doctor	2
6	Fridge	Small (100 litres)	-	1
7	Computer cover	Keyboard (Logitech), CPU (Thinkcentre), UPS (Microtek)	-	1 each
8	Cabinet	-	-	2

## **DEPARTMENT OF PSYCHOLOGY**

**Requisition of instruments for laboratory exercises (For Academic Session 2017-2018):**

<b>Item</b>	<b>Make (if available)</b>	<b>Quantity/ Unit</b>
1. Time Marker/Chronometer	Inco/Biosco	3 pcs
2. Pneumograph	Inco	5 pcs
3. Stop Watch	Anglo swiss / Diamond	4 pcs

## DEPARTMENT OF PHYSICS

List of the Instruments/Apparatus (as per C.U. syllabus) to be purchase:

<i>Sl. No.</i>	<i>Item</i>	<i>Description</i>	<i>No. of set/unit</i>
1	Mili-Ammeter and Voltmeter	Digital mA (0 to 100 mA) Digital V (0 to 20 V)	6 each
2	DC Power supply	Range - 0 to 15 Volt	5
3	OP-AMP experimental set up	Experimental Kit with 0-5 Volt supply	2
4	DC Power supply for OP-AMP experiment	0-5 Volt supply with clock	5
5	Small Resistance box	Resistances -(0 to 5 $\Omega$ )	4
6	Resistance box	Resistances (0 to 10000 $\Omega$ )	4
7	Boilling point apparatus for Platinum Resistance thermometer experimant	Boilling point apparatus (BOROSIL) with round bottom Flusk.	1
8	Spirit Level	Best quality	06
9	Rubber Hammer for Sono-meter experiment	Best quality	4
10	Fresnel's bi-prism set	Devco/Inco full set-up	01
11	LASER source for Diffraction pattern of a cross grating	LASER source only (wave length ~ 630 nm)	01
12	Rechargeable Torch	Eveready- LED	6
13	Pot	1k $\Omega$ , 10k $\Omega$ , 1M $\Omega$ (for digital Experiments) Best quality	06 each
14	Capacitors	0.1 $\mu$ F, 0.01 $\mu$ F, 22 nF, 33 nF, 3.3 nF, 4.7 nF	06 each
15	L-C-R experimental set-up	LCR- trainer Kit	2
16	Fourier Experimental set-up	Trainer Kit (full set -up)	1
17	CE Amplifier Experiment	full set-up/ trainer kit	1
18	Regulated Power Supply	full set-up/ trainer kit	1
19	Bread board	Best quality	12
20	Transistor - CL100 / SL100	best quality	30
21	IC-Chips IC- 741, 7400, 7401, 7432, 7404, 7408, 7410	best quality	12 each
22	Zener diode	Brteak down voltage- 5.6 Volt, and 4.7 Volt	12 each
23	Banana Clip	Brass	1 pkt
24	CRO Probe	best quality	12

25	Multi-meter	Metravi/Scientific make	04
26	Sugar Cube	500gm packs/boxes	04
27	Wax	White and clean	01 box
28	Transmission Grating	300 lines/cm for 10" spectrometer	02
29	Ballistic Galvanometer	Oxford/Devco make	02
30	Meter Scale	Wooden (1 m in length)	06
31	Digital weight machine	Upto 1 kg	1
32	Multimeter Battery	Duracell ( 9 V )	6
33	Prism for Optical Experiments	Base ~ 4 cm	4
34	Thermometer	Range 0- 110 0 C, smallest division 0.050C	12
35	Rubber Tube	6 mm diameter, best quality	10 mt
36	Glass Rod	BOROSIL length-30 cm	6
37	Combination lens set	Concave and convex lens set, Aperture ~ 5cm	2 pairs

## DEPARTMENT OF CHEMISTRY

<b>INSTRUMENTS</b>		
<b>Name of the Instrument</b>	<b>Quantity</b>	<b>Company made</b>
Boiling point apparatus	1	as per lowest price rate
Oil bath with thermostat	1	as per lowest price rate
Water-bath	1	as per lowest price rate
Balance (precision upto 4th place of decimal)	1	as per lowest price rate
Conductivitymeter with temperature controller	1	as per lowest price rate

<b>INORGANIC CHEMICALS</b>				
<b>Name of the Sample</b>	<b>Quantity</b>	<b>Amount</b>	<b>Company</b>	<b>Suggestion</b>
Magnesium sulphate AR grade	1	500	Merck	If Merck is
Magnesium nitrate AR grade	1	500	Merck	not
Magnesium Phosphate	1	500	Merck	available
Lead Chloride	1	500	Merck	then
Lead Nitrate	1	500	Merck	price rate
Lead carbonate	1	500	Merck	of other
Lead chromate	1	500	Merck	companies
Lead oxide	1	500	Merck	can be
Lead iodide	1	500	Merck	given
Manganese dioxide	1	500	Merck	
Manganese sulphate	1	500	Merck	
Ammonium thiocyanate	1	500	Merck	
Ammonium phosphate	1	500	Merck	
Ammonium sulphate	1	500	Merck	
Aluminium sulphate	1	500	Merck	
Aluminium phosphate	1	500	Merck	
Aluminium oxide	1	500	Merck	
Aluminium borate	1	500	Merck	
Aluminium nitrate	1	500	Merck	
Calcium phosphate	1	500	Merck	
Calcium oxide	1	500	Merck	
Calcium sulphate	1	500	Merck	
Calcium carbonate	1	500	Merck	
Arsenic sulphide	1	500	Merck	
Antimony chloride	1	500	Merck	
Cobalt nitrate	1	500	Merck	
Cobaltous chloride	1	500	Merck	
Cadmium chloride	1	500	Merck	
Copper carbonate	1	500	Merck	
Cuprous chloride	1	500	Merck	
Chromium oxide	1	500	Merck	
Chromium potassium sulphate	1	500	Merck	

Chromium phosphate	1	500	Merck	
chromium sulphate	1	500	Merck	
Disodium hydrogen phosphate	1	500	Merck	
Sodium nitrite	1	500	Merck	
Sodium hydroxide	6	500	Merck	
Sodium peroxide	1	100	Merck	
Sodium peroxide	1	500	Merck	
Sodium phosphate	1	500	Merck	
Sodium carbonate	12	500	Merck	
Sodium bicarbonate	4	500	Merck	
Potassium chloride	1	500	Merck	
Potassium carbonate	1	500	Merck	
Potassium bromide	1	500	Merck	
Potassium iodide	2	500	Merck	
Potassium permanganate	1	500	Merck	
Potassium nitrite	1	500	Merck	
Potassium nitrate	1	500	Merck	
Potassium sulphate	1	500	Merck	
Potassium dichromate	1	500	Merck	
Zinc oxide	1	500	Merck	
Zinc carbonate	1	500	Merck	
Zinc nitrate	1	500	Merck	
Zinc chloride	1	500	Merck	
Nickel phosphate	1	500	Merck	
Nickel oxide	1	500	Merck	
Bismuthate nitrate	1	500	Merck	
Barium nitrate	1	500	Merck	
Barium chloride	1	500	Merck	
Barium chromate	1	500	Merck	
Barium borate	1	500	Merck	
Borax	1	500	Merck	
Magnesium Carbonate	1	500	Merck	
Sulphuric Acid	1	2.5 lit	Merck	
Hydrochloric Acid	1	2.5 lit	Merck	
Nitric Acid	1	2.5 lit	Merck	
Ammonium Hydroxide	1	2.5 lit	Merck	

<b>GLASS APPARATUS &amp; OTHERS</b>		
Name of the glass apparatus	Quantity	Company made
Burrete	12nos.	Borosil glass
Pipette ( 5 ml, 10 ml, 25 ml)	10 nos each	Borosil glass
Beaker (100, 200ml, 500ml, 1 L)	1doz each ( only 100ml beaker 6 nos.)	Borosil glass
Watch glass	12nos.	Borosil glass
Bent connector (24" both head and tail)	6nos.	Borosil glass
Measuring cylinder (10ml, 50ml,250, 1000ml)	6 nos. each item	Borosil glass
Test tube	60 pkt	
Conical flask (100ml, 250ml, 500ml, 1 L)	10 nos. each item	Borosil glass
Filter Paper (packet)	4 dozen	
Rubber band	1dz.	
Bent tube	6nos.	Borosil glass
U-tube/bent tube for Salt bridge	2 doz	Borosil glass
Velvet cork (19", 24" and more size)	1dz. Each item	
Weighing bottle	3dz.	
Reagent bottle	4dz.	
Wire gauge	1dz.	
250ml two neck rb with 24" mouth and stopper	6nos.	Borosil glass
Sulphuric acid bath apparatus (complete set)	6nos.	Borosil
Ostwald Viscometer	10 nos	Borosil
Stalagmometer	10 nos	Borosil
Volumetric flask (10 ml, 25mL, 50 mL)	10 nos each	Borosil
Volumetric flask (100 ml, 250 mL, 500 mL)	6 nos. each item	Borosil
Burrete stand	10 nos	
Fusion tube	20 pkt	
Specific gravity bottle	1 doz	
Dropper with teat	1doz	
Glass rod	1bunch	
Tissue paper	10 packs	
Boiling point apparatus (complete set)	6nos.	Borosil glass