

**Quotation for NEP- Laboratory Equipments**

Notice is invited for Quotations for “NEP- Laboratory Equipments” in Gokhale Memorial Girls’ College, Kolkata, from certified/ bidders/suppliers /registered Companies. The envelope must be sealed & super scribed as “NEP- Laboratory Equipments/Name of Department” .The sealed envelopes should be submitted in the Drop Box placed at the main building entrance from 29/01/2024 to 12/02/2024 between 10.30 a.m. - 4.30 p.m. on all working days. The bidders will be intimated in due course after opening of the quotations.

**Department of Geography**

Sl. No.	Instruments	Specification	Quantity
i.	Fortin’s Barometer		2
ii.	LISS III Satellite Images	Scale 1: 50,000, False Colour Composite, GEO Coded	2
iii.	Garmin GPS- e Trex		2
iv.	Smart Phone with Inbuilt GNSS		2
v.	Clilometer		6
vi.	Soil sieve set		3

**Dept. of Clinical Nutrition & Dietetics**

Sl. No.	Item	Quantity	Specification
1	Lactometer	2 (milk quality testing in food lab)	
2	Phenolphthalein Indicator	1	
3	Acetic Acid	500 ml X 1	
4	Sulphuric Acid	500 ml X 1	
5	Nitric Acid	500 ml X 1	
6	Hydrochloric Acid	500 ml X 1	
7	Methylene Blue Solution	1 (min. Quantity)	
8	Chlorform	500 ml X 1	
9	Spirit for spirit lamp	1 litre	
10	Butterpaper	6 sheets	
11	Filter paper	3 boxes	
12	Whatman Filter paper	1 box	
13	Red Litmus Paper	1 Box	
14	Calcium Hydroxide	500 g X 1	
15	Seliwanoff Reagent	125 ml X 1	
16	Spirit lamp wire for burning	3 lamps	
17	Potassium Ferrocyanide	500 g x 1	
18	Graduated Dropper	0.5 ml, 1 ml, 2 ml, 5 ml: each 1 no.	Borosil
19	Beaker	200 ml x 3	Borosil
20	Kitchen Scale	1 no.	Digital
21	Funnel	2 boxes	Borosil, 75 mm
22	D-Fructose	100 g x 1	Loba
23	L-Tyrosine	25 g x 2	Nice
24	L- Methionine	25 g x 2	Nice
25	Ferric Ammonium Sulfate	500 g X 1	Merck
26	Ammonium Thiocyanate	500 g x 1	Merck

27	Fehling's Solution A	500 ml X 1	Fisher Scientific
28	Fehling's Solution B	500 ml x 1	Fisher Scientific
29	Bovine Resum Albumin	500 g x 1	Sigma
30	Picric Acid	125 ml x 2	Nice
31	Barfoed's Reagent	500 ml X 1	Loba
32	Ethanol	500 ml x 2	
33	Benedict's Reagent	500 ml x 1	Loba
34	Glacial Acetic Acid	500 ml x 1	SRL
35	Potassium Iodide	100 g x 1	SRL
36	Sodium Thiosulphate Pentahydrate	500 g x 1	SRL
37	Sodium Tungstate	100 g x 1	SRL
38	Folin & WU's Alkaline Copper Reagent	500 ml x 1	Himedia
39	Phosphomolybdic Acid	100 g x 1	Merck
40	Zeolite Mixture	500 g x 1	ACS material
41	Sodium Peroxide	500 g x 1	Labogens
42	Acetyl Acetone	500 ml x 1	SRL
43	Isopropyl Alcohol	500 ml x 1	Merck
44	Triolein	100 g x 1	Biochemica
45	Ansa Reagent (8-Anilino-1-naphthalenesulfonic acid)	500 ml x 1	Sigma
46	MacConkey agar	1 (min. Quantity)	Himedia
47	Acetone	1 bottle	
48	PDA (potato dextrose agar)	1 (min. Quantity)	Himedia
49	Czapek Dox Agar	1 (min. Quantity)	Himedia
50	Xylose Lysine Deoxycholate	1 (min. Quantity)	Himedia
51	Christensen's Urea Agar	1 (min. Quantity)	Himedia
52	Dichloroquinone Chlorimide	1 (min. Quantity)	SRL
53	Disodium Phenyl Phosphate	1 (min. Quantity)	SRL
54	3% H <sub>2</sub> O <sub>2</sub> solution Catalase reagent	1 (min. Quantity)	SRL
55	Oxidase discs	Min. Quantiy (2-3 discs)	Local
56	Petri dish	1 packet container	Plastic

### Requisition for Department of Physics

List of instruments to be purchased for the practicals under NEP curriculum:

SL. No.	Name of the Instrument	Specifications	Manufacturer/ Make	Quantity
1	Rigidity modulus experimental set-up (for dynamical method)	i) A metallic solid Cylinder (provided the cylinder is detachable from the suspension wire) ii) suspension wire of approximately 100 cm length(thick) iii) metallic Stand etc..	ISI standard	1

2	Poiseuille's apparatus to determine the coefficient of viscosity of water	i) capillary tube (glass) ii) wooden board iii) rubber tube iv) two L shaped glass tubes v) wooden plank fitted with wooden scale vi) Constant level tank (copper) vii) spare capillary tube (extra) etc...	ISI standard	1
3	Conversion of an ammeter to voltmeter and vice versa.	Trainer kit preferable consisting with i) Analog Voltmeter, ii) Analog (micro or milli) Ammeter, iii) resistance boxes ( $1\Omega - 10k\Omega$ and fractional) iv) digital voltmeter & milli-ammeter , v) power supply (0-5 volt) etc...	ISI standard	1
4	To study the photoelectric effect: variation of photocurrent versus intensity and wavelength of light.	i) evacuated glass tube with a quartz window ii) photosensitive metal plates iii) variable voltage source with voltage display iv) commutator (forward & reverse current making) v) ammeter and voltmeter vi) source of monochromatic light with variable intensity and wavelength etc...	ISI standard	1
5	Tunnel diode to show the tunneling effect using I-V characteristics	1N3717 (Si) And 1N2940 (Ge)	Best quality	2
6	2GB - Desktop Graphics Card	i) Graphics RAM 2GB ii) Video Output Interface VGA, DVI, HDMI	Gigabyte or MSI	1
7	Battery for Multimeter	9 Volt Alkaline	Duracell	6

**List of Chemicals and equipment required for Chemistry Department**

Sl. No.	Items	Make and model	No. of items
1.	Portable Oil free Vacuum Pump	RIVOTEK Make Cat. No.	01

		21202500	
2.	Digital melting and boiling point apparatus	Labtronics, Model LT-115	01
3	filter paper sheet (~ 46 x 57 cm)...100 pcs	Local	01
4	Whatman filter paper 41		06
5	Whatman filter paper 41		06
6	Al foil (250-500 g)	Loba	01
7	Barium diphenylamine-4-sulfonate (5-25 g)		01
8	Measuring cylinder 100 ml	Local	04
9	Asbestos board		06
10	Ferric Aluminium Sulphate (500 g)	SRL	01
11	1-butanol (500 ml)	Merck/ SRL	01
12	1-propanol	Merck/ SRL	01
13	FeCl <sub>3</sub>	Rankem/SRL	01

**Department of Psychology**

Sl No:	Item Name	Quantity
1.	<b>Human Profile Card</b>	<b>10</b>
2.	<b>Rubin's Cross</b>	<b>10</b>
3.	<b>Rescorder</b>	<b>05</b>
4.	<b>Standard Progressive Matrices (SPM)</b>	<b>15</b>
5.	<b>Apparentimer</b>	<b>15</b>
6.	<b>Screens</b>	<b>10</b>
7.	<b>Large Clips</b>	<b>20</b>
8.	<b>Electric Motor &amp; Masson's Disc</b>	<b>02</b>