



**RAIDIGHI COLLEGE**  
**VILL+PO+PS-RAIDIGHI**  
**PIN-743383**

**NOTICE INVITING QUOTATION**

**Ref. No. RC/LABMICRO/04/2017-2018**

**Dated : 17/03/2018**

Sealed Quotation are invited from the experienced, resourceful vendors **on or before 23.03.2018** for purchase of different equipments, chemicals etc for the Department of Microbiology , Raidighi College.

The vendor should submit their quotation accordingly as mention bellow with self attested copy of valid Trade Licence, Pan Card, GST wherever necessary addressed to the office of the undersigned. *Please do not submit any other credentials, otherwise it will be treated as cancelled.* **The closed envelope must be super scribed with the Quotation No. and Closing Date, otherwise it will be treated as cancelled.**

Rates should be submitted including delivery/transport cost if any. The authority reserves the right to accept/ reject any quotation without showing any reason thereof.

Description of materials & specifications are as follows :

**1. Minor equipments and apparatus**

SL. NO.	ITEM	QUANTITY	
1.	DIGITAL pH METER	1	
2.	DIGITAL COLORIMETER	1	
3.	DIGITAL BALANCE	1	
4.	DESSICATOR	1	
5.	MINI REFRIGERATOR 45L; LG	1	
6.	HIGH VACUUM PUMP	1	

**2. Media for microbial culture: (HIMEDIA/SRL/NICE)**

SL. NO.	ITEM	QUANTITY	
1	NUTRIENT AGAR, HIMEDIA	1 KG	
2	NUTRIENT BROTH, HIMEDIA	1 KG	
3	POTATO DEXTROSE AGAR, HIMEDIA	1 KG	
4	YEAST EXTRACT, NICE	1 KG	
5	PEPTONE, NICE	500 GM	
6	LURIA BROTH, HIMEDIA	1 KG	

7	MULLER HINTON AGAR	500GM	
8	EMB AGAR	500GM	

### 3. Reagents for microbial staining:

SL NO	ITEM	QUANTITY	
1	CRYSTAL VIOLET	125ML X 2	
2	SAFRANINE	125ML X 2	
3	CARBOL FUCHSINE	125ML X 2	
4	MALACHITE GREEN	25 GM X 2	
5	NIGROSINE	125ML X 2	
6	YELLOW RED SOLUTION	125ML X 2	
7	METHYLENE BLUE SOLUTION	125ML X 2	
8	BASIC FUCHSIN	25 GM X 2	
9	BROMOTHYMOL BLUE INDICATOR	125ML X 2	
10	PHENOLPTHALEIN	125ML X 2	
11	METHYL RED	125ML X 2	

### 4. Chemicals and Reagents:

SLNO	ITEM	QUANTITY	
1	CHLOROFORM	500 ML X 2	
2	ETHANOL	500 ML X 2	
3	ACETONE	500ML X 2	
4	METHANOL	500ML X 2	
5	PETROLEUM ETHER	500 ML	
6	LOWRY PROTEIN ASSAY CHEMICAL (SET)	1 SET	
7	DPPH REAGENT, SRL	1 GM	
8	FOLIN (FCP) REAGENT, SRL	500 ML	
9	TPTZ REAGENT	1 GM	
10	SODIUM CARBONATE , SRL	500GMS	
11	GLYCEROL, SRL	500 ML	
12	GALLIC ACID, SRL	100 GMS	
13	QUERCETIN, SRL	100 GMS	
14	2,4-DINITROPHENYL HYDRAZINE, SRL	100ML	
15	SODIUM ARSENATE DIBASIC HEPTAHYDRATE	MINIMUM AMOUNT NEEDED	
16	AMMONIUM MOLYBDATE, SRL	100GMS	
17	SULPHURIC ACID, CONC.	500 ML	
18	ALUMINIUM TRICHLORIDE	MINIMUM AMOUNT NEEDED	
19	sodium carbonate anhydrous	500 GMS	
20	sodium bicarbonate	100 GMS	
21	sodium sulphate anhydrous	500GMS	
22	Rochelle salt (SODIUM POTASSIUM TARTARATE)	500GMS	
23	copper sulphate pentahydrate	500GMS	
24	Zinc sulphate hexa hydrate	500GMS	
25	Barium hydroxide	500GMS	
26	Soda lime	500GMS	
27	dextrose	500GMS	
28	FERRIC CHLORIDE, SRL	500GM	
29	HCl ACID CONC	500ML	
30	TRIS-HCL BUFFER 1M, pH 7.5, THERMO FISCHER	1 L	
31	ferrous sulphate (FeSO4.7H2O), SRL	500GM	
32	ferrous ammonium sulphate, SRL	500GM	

33	EDTA, SRL	100GM	
34	dimethyl sulphoxide	500ML	
35	phosphate buffer, SRL	100GM	
36	10X Phosphate Buffered Saline (PBS), SRL	100ML	
37	ascorbic acid, SRL	100GM	
38	TCA, SRL	500GM	
39	ammonium acetate, SRL	500GM	
40	glacial acetic acid, SRL	500ML	
41	acetyl acetone, SRL	250ML	
42	IODINE SOLUTION, SRL	125ML	
43	pBR322 plasmid DNA, SRL	100MICROGM	
44	HYDROGEN PEROXIDE SOLUTION	250ML	
45	Agarose, SUPERIOR GRADE, SRL	100GM	
46	Ethidium Bromide Solution (10mg/ml), SRL	10ML	
47	6x DNA Loading Dye	5X1ML	
48	Xylene Cyanol, POWDER, SRL	5GM	
49	Bromophenol Blue, POWDER	25GM	
50	50X TAE Buffer, SRL	500ML	
51	1kb DNA Ladder, SRL	50MICROGM	
52	Tris buffer, SRL	500gm	
53	PHENOL TRIS EQUILIBRATED, SRL	100ML	

5. **Glass apparatus (BOROSIL):**

<u>SL NO</u>	<u>ITEM</u>	<u>QUANTITY</u>	
1	BEAKER, 100 ML	10	
2	BEAKER, 500 ML	10	
3	BEAKER, 1000ML	10	
4	BOTTLES WITH SCREW CAP, 500 ML	5	
5	BOTTLES WITH SCREW CAP, 1000ML	10	
6	MEASURING CYLINDER, 50 ML	2	
7	MEASURING CYLINDER, 250 ML	2	
8	MEASURING CYLINDER, 500 ML	1	
9	MEASURING CYLINDER, 1000 ML	1	
10	CULTURE PETRI DISHES, 150MM 14X 20MM	10	
11	GLASS PIPETTES, 1 ML	10	
12	GLASS PIPETTES, 5 ML	10	
13	GLASS PIPETTES, 10 ML	10	
14	TEST TUBES	100	

6. **Miscellaneous essential laboratory items:**

<u>SL NO</u>	<u>ITEM</u>	<u>QUANTITY</u>	
1	ADJUSTABLE PIPETTER 1ML, 100 MICROLIT, 10 MICROLIT FISHERBAND AND THEIR MICROTIPS	<b>1PIPETTE EACH AND 1 BOX EACH OF THEIR MICROTIPS</b>	
2	SPECTRO GLASS CUVETTES, 1ML	2 PAIRS	
3	SPECTRO PLASTIC CUVETTE,1 ML	10 PAIRS	
4	MICROWAVE OVEN	1	
5	SPIRIT LAMP	2 PC	
6	INOCULATION LOOP	5 PC	
7	MICROCENTRIFUGE TUBES 1.5 ML	500 PCS /PACK X 2	
8	HEATING MANTLE	1	
9	INDUCTION OVEN, PRESTIGE	1	
10	INDUCTION PRESSURE COOKER, 20 LITRES, PRESTIGE	1	

11	GLASS SPREADER	2	
12	AGAR PLATE BORER	2	
13	PARAFILM	1 ROLL	
14	KLIN WRAP	1	
15	CRYOBOX FOR 1.5mL microcentrifuge tubes COLE PARMER	PACK OF 12	
16	ICE BUCKET	1	
17	Ice tray for -20 degree	2	
18	Ice crusher bag and mallet	1 SET	
19	UV safety eye shield and face shield	1 EACH	
20	FLOATS FOR WATER BATH	3	
21	TEST TUBE RACK	2	
22	MICROFUGE TUBE RACK	2	
23	Magnetic stir bar (flea) cylindrical and pivot-ring	2 EACH	
24	Whatman syringe filters 4mm and 13 mm for sample sterilizing	1 SET EACH	
25	GLASS PIPETTE CONTROLLER	1	
26	Pasteur pipette with bulb	5	
27	Pipette bulb	2	
28	HEATING MANTLE	1	

## 7. CELLS

Lyophilised *Escherichia coli*, *Bacillus sp.*, *Staphylococcus aureus*, *Salmonella typhi* and *Klebsiella sp* (from ATCC or Sigma)

### 8. Major instruments/apparatus

1 DNA MINI GEL ELECTROPHORESIS SYSTEM with gel running apparatus, casting tray, well combs, gel box (electrophoresis unit) and power supply pack, analytical:  
VOLTAGE STABILIZER 1 kw (1) and 2kw (1)

### 9. Computer accessories:

NORTON 360 ANTIVIRUS  
1 DESKJET SCANNER PRINTER



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