



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

NOTICE INVITING QUOTATION

Ref. No. RC/GEN/04/2019-2020

Dated: 03/08/2019

Sealed Quotation are invited as per G.O No.930-Edn(CS)/10M-59/2019 Dated 20.06.2019 from the experienced, resourceful vendors **on or before 10.08.2019** for purchase of 1. Chemicals & equipment for the laboratory 2. Furniture 3. Computer and peripherals (tick the applicable one). The vendor should submit their quotation 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 and GST. The authority reserves the right to accept/ reject any quotation without showing any reason thereof.

Description of materials & specifications are as follows:

General Infrastructure

1. High-Low Benches	100 Sets
2. Computer Chairs	100 Sets
3. Almirah	20
4. Desk Chairs	80
5. Laptops	10
6. Printers	10
7. Readymade-partition Wall/rail of 6'X10' (HXL)	8 sets
8. High Speed Stand Fan	20 Pcs
9. CCTV	3 Pcs
10. Kirloskar portable 20 KVA Generator	1
11. Desktop	10 pcs
12. Inverter	4
13. WiFi enabled Projector	4
14. White Boards (Big)	10
15. White Boards (Medium)	10
16. Ceiling Fans	50
17. Tubelight with cabinets	150

DEPARTMENT OF PHYSICS

1. Measurement of Plank constant using LED
2. Determination of ionization potential of Mercury
3. Determination of e/m by using bar magnet.
4. To study the photoelectric effect: variation of photocurrent versus intensity and wavelength of light.
5. To determine the wavelength of H-alpha emission line of Hydrogen atom.
6. To show the tunnelling effect in tunnel diode using I-V characteristics.
7. To determine (1) wavelength and (2) angular spread of He-Ne laser/ solid state laser using plane diffraction grating.
8. To study PE hysteresis of ferroelectric crystal.
9. Measurement of susceptibility of paramagnetic solution by Quink"s tube method.
10. Measurement of magnetic susceptibility of solids.
11. Determination of variation of dielectric constant with frequency.
12. Measurement of hall voltage by four probe method.
13. To study temperature coefficient of a semiconductor (NTC thermistor).
14. To determine Brewster's angle for air-glass interface using a prism.
15. To verify the Malus law using a pair of polaroids.
16. Determination of wavelength and velocity of ultrasonic waves ion a liquid (kerosene, Xylene etc).
17. To analyze elliptically polarized light by using babinete compensator.
18. B/W Printer with Ethernet connection and/or wifi enabled.

DEPARTMENT OF MICROBIOLOGY

SL. NO.	INSTRUMENT	PREFERRED COMPANY (if any)	QUANTITY
1	Olympus CH-20i Research Binocular Microscope	Olympus	1
2	Trinocular Microscope with Camera 5MP	Olympus/Magnus	1
3	Protein mini gel electrophoresis apparatus for hand cast gels (with power-supply, all accessories and mini trans blot module)	Bio-Rad (Mini-protean vertical electrophoresis cell) or Fisher scientific or Sigma-Aldrich	1
4	DNA gel electrophoresis apparatus horizontal, with power-supply and all accessories		1
5	Digital colorimeter		1
6	Small volume Lab fermenter with accessories		1
7	Readymade DNA and RNA 3-D models		1 each
8	Centrifuge with rotor head for 10-15ml tubes (with relevant rotor and centrifuge tubes)	Remi	1
9	Micro-Centrifuge with angle rotor head for 2-1.5ml tubes and of max speed 16000 rpm (with relevant rotor)	Remi	1
10	Portable mini centrifuge with 8 - place closed rotor for 1.5/2.0ml microtubes and of speed 6000 rpm (which can be easily placed inside a fridge or refrigerator for run at desired low temperature)	Remi	1
11	PCR thermal cycler (with thermal gradient)	Standard reputed company	1
12	Dot Elisa Kit		1
13	Bacterial conjugation teaching kit		1
14	Immunoelectrophoresis teaching kit		1
15	Blood typing kit		1

DEPARTMENT OF BOTANY

- 1) Lyophilizer 1 unit
- 2) Camera D5300 Nikon DSLR
- 3) Gel Electrophoresis -1 unit
- 4) Wooden Almirah for Chemicals and glass equipments -1

DEPARTMENT OF ZOOLOGY

Permanent Slides

Adrenal gland (rat)

Barsa Fabricius

Spleen

Thymus

Lymph nodes

INSTRUMENTS

ELISA instrument with reader

Mini weighing machine

Mini centrifuge (thermo)

REAGENTS

ELISA kit Agarose gel Electrophoresis kit teaching(66602) **SRL catalogue**

Formalin-2000 ml

SPECIMEN IN JAR

Anabas sp.

Chelone sp.

Cheatopterous sp.

Helicoverpa sp.

Heliothis armigera

Papilio demoleus

Pyrilla perpusilla

Callosobruchus chinensis

Sitophilus oryzae

Tribolium castaneum

PERMANENT SLIDES

Ancylostoma duodenale

Wuchereria bancrofti

Pediculus sp.

INSTRUMENTS

COMPOUND MICROSCOPE OLYMPUS- 5 PCS

Simple Microscope (Olympus- 3 pieces)

Cage for mice culture with feeding bottle-5 pcs

Cage for cockroach culture-4 pcs

SPECIMENS

Developmental stages and life cycle of Drosophila

PERMANENT SLIDES

Different section of mammalian placenta(RAT)

Aedes sp.-2pcs

Culex sp.-2pcs

Anopheles sp.-2pcs

Pediculus humanuscapitis-2pcs

Pediculus humanuscorporis-2pcs

Phlebotomus argentipes-2pcs

Musca domestica-2pcs

MODELS

Dickinsonia

Paradoxides

Asteroceras

Pentremites

Ichthyosaur

Archaeopteryx

Cynodont

DEPARTMENT OF MATHEMATICS

- 1) Server Machine with 10 outputs including UPS and Battery back-up of 30 mins (**Thin client server**)

DEPARTMENT OF CHEMISTRY

S. No.	Name of the item	Quantity
1	Reagent cupboard (Almirah)	One
2	Polarimeter(digital)	One
3	Spectrophotometer	One
4	Computer for students lab	Two
5	TLC Plate (silica Gel with aluminium back) (from Sigma Aldrich)	2 boxes
6	Glass column for gravity chromatography	10
7	Fume cupboard	One
8	Cation & Anion exchange resin	500 gm each
9	Mercuric sulphate	250 gm x 2
10	Silver sulphate	250 gm x 2
11	<i>o</i> -Phenanthroline	250 gm
12	Potassium hydrogen phosphate(KHPO ₄)	250 gm
13	Dipotassium hydrogen phosphate(K ₂ HPO ₄)	250 gm
14	Disodium hydrogen phosphate(Na ₂ HPO ₄)	250 gm
15	Magnesium sulphate	250 gm
16	BOD Bottles	10
17	BOD incubator having having temperature control at 20 °C	One
18	Dolomite	500 gm
19	Cobalt Nitrate	500 gm
20	Chloroform	250 ml
21	Bookcase	One
22	Surgical Gloves (medium and small size)	5 boxes each
23	Reagent Trays (large, medim and small size)	3 each
24	Smart Board	One
25	Projector	One
26	Rotor Evaporator with Aspirator	One
27	White Boards	Two
28	Table	One

DEPARTMENT OF FOOD & NUTRITION

1.

Spectrophotometer

1

DEPARTMENT OF GEOGRAPHY

SI No	Description	No
1	Server Machine with 20 outputs including UPS and Battery back-up of 30 mins (Thin client server)	01
2	Computer Chairs	20
3	Digital Weighing Machine (0.001gm to 200 gm) with imported semi magnetic lode cell CROWN GLASS WIND SHILD, auto cutup Adaptor, big display, S S PAN grade-304, leveling arrangement with stabilized voltage circuits fitted inside the Weighing machine.	01
4	PORTABLE DIGITAL PH METER WITH ELECTRODE PH METER, Pocket Model*0 to 14 pH *Display: LCD, 13mm digit size. *Size: 131 x 70 x 25 mm	01
5	OVEN (ELECTRICAL) with Digital Microprocessor Temp. Controller including auto short circuits protection CHAMBER SIZE-15 x 15 x 18 inch	01
6	Mortar and Pestle	02
7	Conical Flask(250 ml)	20
8	Sieve	05
9	Whattman Filter Paper (11 cm Diameter)	1000
10	Beaker(250 ml)	10
11	Funnel	10
12	Measuring Cylinder	15
13	Conical Flask with Funnel	20
14	Salinity Refractometer	02
15	Wooden Almirah	01
16	Steel Almirah	02
17	Computer Desk/Table	02
18	Rocks & Minerals Set	01
19	Theodolite Set	05
20	Soil Testing Kit	01
21	Salinity Testing Kit	01
22	Arc GIS Software(License)	01


PRINCIPAL
RAIDIGHI COLLEGE

Principal
Raidighi College