

**OFFICE OF THE PRINCIPAL,  
RAJENDRA COLLEGE (AUTONOMOUS), BALANGIR**

No. 450 /RC dated the 20-02-19

Sealed quotations are invited from authorized manufacturer/dealer/supplier for equipments, furniture, Lab. Equipments and infrastructure for various science departments to be procured /purchased during financial year 2018-19. The details of items and specification are available in the website [www.rajendracollege.nic.in](http://www.rajendracollege.nic.in) and [www.balangir.nic.in](http://www.balangir.nic.in) The quotation should reach the undersigned on or before 7.3.2019 up to 5 pm.

The quotation shall be opened at 5.30 pm on the same day i.e. 7.3.2019. The quotation should accompany with tax clearance certificate / PAN / GST registration / dealership certificate and other testimonials.

The undersigned reserve the right to reject any or all quotation without assigning any reason thereof.

  
Principal

Rajendra College (Auto.), Balangir

21/6/19

# LIST OF EQUIPMENTS/FURNITURE/CHEMICALS AS PER QUOTATION NO. 450 DT.20.2.19

## LABORATORY EQUIPMENT FUND REQUIREMENT FOR VARIOUS SCIENCE DEPARTMENTS

### Department of Physics

#### **A. Equipment**

1	To study hybrid parameters of a junction transistor
2	Setting up, callibration, and experiments with VTVM
3	Verification of Richardson's $T^{3/2}$ law
4	Measurement of attenuation and phase shift of A.C. in LCR circuit.
5	To determine work function of material of filament of directly heated vacuum diode.
6	Maxwell's bridge for determination of (a) 'L' (b) 'M'
7	Carey- Foster Bridge (Comparison of nearly equal resistance)
8	Existence of discrete energy levels by Frank Hertz Experiment.
9	Determination of e/m by magnetic valve
10	Determination of e/m by Braun tube/helical method
11	To determine coupling coefficient of a piezoelectric crystal
12	To determine the complex dielectric constant and plasma frequency of metal using surface plasmon resonance
13	To determine the refractive index of (1) Glass and (2) a liquid by total internal reflection using Gaussian eyepiece
14	To obtain absorption line in the rotational spectrum of iodine vapour
15	To determine temperature coefficient of resistance by platinum resistance thermometer
16	To determine J by Calorimeter
17	To study the variation of Thermo-Emf of a thermocouple with difference of temperature of its two junction
18	To determine thermal coefficient of conductivity of bad conductor by Lee and Charlots disc method
19	Millikan Oil drop experiment.
20	Maxwell Needle
21	sound system, mixture, cordless, amplifier, sound box, mike and stand

N.B.While giving quotation Please mention the Sl. No. of the instrument as mentioned here, its make, Name of its accessories to be supplied, its price, GST and total amount per instrument.

#### **B. Laboratory Furniture**

1. Almirah (Godrej)
2. Lab. Chair with arm (Godrej)
3. Lab. Table (Godrej)
4. Lab. Stool (Godrej)
5. Godrej Book Shelf

## **Department of Chemistry**

### **A. Equipment**

1. Centrifuge Machine
2. Magnetic Stirrer
3. UV visible spectrophotometer
4. Muffle furnace
5. Dissolved oxygen analyser

### **B. Chemicals & Glassware** (Separate List enclosed)

### **C. Laboratory Furniture**

1. Almirahha (Godrej)
2. Lab. Chair with arm (Godrej)
3. Lab. Table (Godrej)
4. Godrej Book Shelf

## **Department of Botany**

### **A. Equipment**

1. Autoclav (20Ltr. Capacity steel body)
2. DSLR Camera with 18 to 55mm Lens, 55 to 255 mm Lens
3. Bacteriological incubator with shaker 200 Ltr. Capacity
4. Projector Screen

### **B. Chemicals & Glassware** (Separate List enclosed)

### **C. Laboratory Furniture**

1. Almirahha (Godrej)
2. Lab. Chair with arm (Godrej)
3. Lab. Table (Godrej)
4. Godrej Book Shelf

## **Department of Zoology**

### **A. Equipment**

1. Microscope (Olympus)
2. Camcorder (Sony HXR-MC2500/equivalent model)
3. Binocular (Long focal range for bird watching)

### **B. Chemicals & Glassware** (Separate List enclosed)

### **C. Laboratory Furniture**

1. Almirahha (Godrej)
2. Lab. Chair with arm (Godrej)
3. Lab. Table (Godrej)
4. Lab. Stool (Godrej)
5. Steel Rack (Godrej)
6. Lab. Basin (Big Size)
7. Electrical fitting
8. Godrej Book Shelf

## REQUIREMENT OF NON-CIVIL ITEM UNDER OHEPEE

Sl. No.	Goods to be procured	Specification
1	Water Purifier	100 Ltr.
2	Fire Extinguisher	5 Kg.
3	First Aid Box	

### FURNITURE (EPM RATE)

1	Desk cum Bench	3 Seater
2	Book Shelves (Steel)	6 Shelves
3	Reading Room Table	8ft x 4ft.
4	Reading Room Chair (moulded)	Cushion without arm