



OFFICE OF THE PRINCIPAL
EKAMRA COLLEGE
BHUBANESWAR - 751 002

Off.: 2592343

Ref. No.: 246/18

Date: 22/03/18

QUOTATION CALL NOTICE

Sealed quotations are invited from manufacturers / dealers/agencies having valid GSTN certificate for supply of computers, teaching aids, equipments, lab. furniture, chemicals and glassware , internal security personnel , house keeping , roof top solar substation etc. under RUSA grant and Science Lab grant of Govt. of Odisha. The quotation must reach the undersigned on or before 31.03.2018 by 2 p.m. Firm under GeM portal rate contract shall be preferred. The authority reserves the right to reject any or all the quotations without assigning any reasons thereof. The item must be branded products of companies or qualitative products.

Details of Items :

1. Desktop Computer with complete configuration
2. Laptop
3. UPS - .6 KVA
4. Laser Printers
5. Online UPS
6. LCD Projectors with configuration
7. Interactive Board
8. CCTV System (Dome & Bullet cameras , Hard Disk , Monitor , Cable , Tool Kit etc)
9. Green Boards(8' x 4' , 6' x 4')
10. Lab. Furniture :
 - a) Botany / Zoology Lab Tables – 6' x 3' , Frame in Sal Wood with 19 mm BWR grade Century ply top sunmica pasted.
 - b) Chemistry Lab Tables – 6' x 4' – Frame in salwood with 19mm BWR grade Century Ply Top Sunmica pasted having 4 nos of cupboards in each table(2 in each side) made of ply and 2 nos of re-agent bottle stands on the top(both sides) and ceramic water sink fitted on the middle of the table.
 - c) Lab. stools-1.5'x1' size and 2'x1' size made of sal wood (top in wood) duly painted
11. Rooftop Solar Power Plant – 15 kw
12. Security Guards – Armed / Unarmed Personnel for 8 hrs
13. Housekeeping for the college building and campus

Asst. Pr. Am.
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Science Equipments

PHYSICS DEPT.

Name of Apparatus / Instruments

Slide Callipers
Hollow Cylinders
Solid Cylinders
Physical Balance
Parallogram law of force
Nicholson's Hydrometer
Cylindrical Glass Jar
Screw Gauge
Hare's apparatus
Simple Pendulum bob only
Meter Bridge
Lecloncel Cell
Battery eliminator
Rheostat (0 to 250)
Resistance box 0 - 50
Connecting wire
Galvano Meter
Stretched wire potentiometer
Sonometer (Stretch wire)
P.N Junction diode
Zenerdiode
Verification of ohm's law set
Glass Beakers 100 ml
Lycopodium Powder

CHEMISTRY DEPT.

Apparatus/Chemicals

Conduetometer
Potentiometer
Calorimeter
Thermometer
Sodium Metal
Nickel ammonium sulphate
Dimethyl glyoxime
Acetic acid
Copper Sulphate
Ammonium bisulphite
Potassium iodide
Copper foil
Ordinary filter paper
Sintered Crucible G3 and G4
Desicicator
Beaker
Whatman filter paper no : 41
Tongs(Small size)

BOTANY DEPT.

Materials

Aspergillous
Anthocerus
Batracho Spermum
Cycas Coralloid Root
Coleochaete
Volvox

Apparatus/Chemicals

Desicater
Punching Machine

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Mortar Pestle
 Ganong's Pojometer
 Farmer's Pojometer
 T/A Apparatus
 Coblet Chloraidepaper
 Sadan - III
 Sodium Hydroxide Powder
 Nitricacid
 wide seaker
 Manometer
 Galvanometer
 Laminar Air Flow
 Auto Clave
 Digital Weight machine
 Research microscope
 Micropippate
 Measuring Cylinder
 Ganong's Potometer
 Farmers Potometer
 T/A apparatus
 Incubator
 Leaf of C3 C4 Plant
 T.S of Coralloid Root of Cycas
 T.S of Cycas - Normal Root
 T.S of Pinus needle

PHYSICS DEPT.

Name of Appratus / Instruments

Sextant
 Maxwell's needle (for rigidity modulus of a wire)
 Coefficient of viscosity of water by capillary flow
 g' and velocity of freely falling body using digital timing
 technique
 Motion a spring
 Y of awire by optical lever method
 Multimeter(Non-digital)
 Set up box for series RC circuit
 Carry foster's bridge
 De Sauty's bride
 Set up box for Thevenin and Norton Theorems
 Superposition & xerox.power transfer Theorem
 Self inductince Anderson's bridge
 Series and parallel LCR circuit
 Ballistic Galvano meter set
 Self inductance by Ray leigh's method

 Mutual inductance of two coils by Absolute method
 Melde's experiment (set)
 Sodium Vapour Lamp
 Mercury Vapour lamp
 Induction Coil
 Michelson's Interferrometer
 Optical Bench(Scintific)
 Fresnel Biprism
 Prism for Spectrometer expt.
 Newtows Ring (set)
 Difractin on grating
 J by Callender & Banne's constant flow method
 Coeff. Of thermal conductivity of cu. By Searles
 apparatus

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Coeff. Of thermal conductivity of cu by Angstrorus method
Lee and charlton's disc appartus
Temp Coeff. Of resistance platinum Resistance
Thermometer
Thermo emf of a thermo couple
Measurement of plank's Constant
Photo electric effect
Work function of the filament of a directly heated
Vacum diode

Tunneling effect in tunnel diode using I-V characteristic
Single Slit
Double slit
Millikan's oil drop apparatus
Light emitting diode (set)
Bipolar junction transistor
R.C coupled transistor amplition
Wein bridge oscillator
Phase shift Oscillator
Collpit's Oscillator
Digital to Analog Convertor
Analog to Digital Convertor
Zero Crossing detector and comparator
Polarimeter
Babinet's Compensatov
Stefan's law & Stefan's Const
Reflection & Refraction or microwaves
Mu(M) or a liquid by Wollastom's airfilm
To measure voltage and time period of a periodic wave form using C.R.O
To design a switch (NOT gate) using transistor
To verify and design AND OR,NOT and x OR gate using NAND gate
To design a combinational logic system for a specified truth table
To convert a boolean expression into logic circuit and design it using logic gate ICS
To minimise a given logic circuit

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Half Adder, Full adder and four bit binary adder
Half subtractor, full subtractor, adder subtractor using
full adder ICS
To build flip flop CRS choked Rs, D type and JK circuits
using NAND gate

To build J.K. master slave flip-flop using flip-flop ICS
To build a four-bit counter using a D type/ JK flip flop ICS
and study time diagram
To make a four bit shift resistor (a series & a
parallel) using D type/J.K. FLIP FLOP
To design an a stable multi vibrator of a given
specification using 555 timer
Mono stable multivibrator using 555 timer

ZOOLOGY DEPT.

Molisch's reagent-
Fehling's soln-
Con-H₂ SO₄(Sulphuric acid)-
Iodine crys tab-

Sodium HYPO Boonide/soln-
Sodium carbonate-
Urease powder-
Acetic acid-
Urease powder-
Phenolphthaleine indicator-100ml
Robert's reagent-
Ninhydrin soln-
Sadan III & IV-200ML x 2-
Barfold's regant-200ml
Salphosalicy liquid-500ml
Fehling's soln A & B-200ml x 2-
Hydrochloric Acid-
Choloroform-2 x
Surgical Spirit-

MODELS

DNA Model-
RNA Model
Skull of man-
Pivot joint-
Gliding joint

Apparatus

Blood pressure apparatus-
Blood group measurement uit-
Research Microseure(olympics)-
Fresh water aquarim-(15 x 10)size-
Blood Lancet-2 Nos

Slides

Life stages of Plasmodium vivax-
Life stages of Tryharosome gambiense-
Life stage of EntamoebaWistolgtical-
Embryology slides of Trochophase larv-
Larvl form of echinodermata-
Anoeba(wm)-
Hydra (wm)-

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