

**Sealed Quotation are invited from reputed agencies / suppliers within 24. 11. 2017. for the following items.**

## **REQUISITION FOR QUOTATION**

### **LIST OF EQUIPMENTS AND GOODS**

1. Books for library/ Departments

2. **Laboratory equipments:**

**Dept. of Physiology-** microscope ( binocular Olympus), trinocular microscope with camera attachment and software; microtome, osmometer, slides, autoanalyser ( remi ), UV spectrophotometer, tissue homogenizer, digital balance, cold centrifuge, gel doc, fraction collector, bod shaking incubator, lyophiliser, chemical refrigerator, elisa, haemoglobinometer, haemocytometer, stage and ocular micrometer, sphygmomanometer, stetoscope, bicycle ergometer, treadmill, douglas bag, ergograph, micro pipette + tips-30, dale's bath, electronics spirometer, thermometer, electrophoresis, 1000 ml volumetric flask, 1000ml beaker.

**Department of Botany-** compound microscope, camera, hot air oven, egg incubator, laminar air flow, haematocytometer, cox-borner, 500 watt electric heater, micrometer slide occulator, funnel, respiroscope, burret, conical flask, beaker, test tube, blotting paper

Permanent slides- 1) mitosis ( all phases) 2) meiosis (all phases) 3) algae ( focus reproductive, polysiphonea, chlamydomonas, nostoc, oedochaete, coleochaete, voucheria ) 4) bryophytes ( marchentia, sphagnum, pteridophytes ) 5) equisetum ( rhizome+sporangiophore + spore), pteris-rhizome, sporophy+ sex organ, 6) gymnosperm ( coralloid, rechs, leaflet, ovule, root ) 7) plant pathology + fungus ( penicillium, alternaria ascomycota ) 8) bacteria gram staining 9) virus ( T PHASE, tmv ) 10) bacteria root nodules ( conjugation, binary fission ) 11) puccinia four stages.

**Department of Nutrition-** Kitchen equipments ( oven, clicks, grinders, toaster, microwave oven, juicer, pressure cooker, lund blender, chaki ballon, karai, hata, khunti, spoons, nonstick frying pan, container, chanta,

tea set, tea filter, electric kettle, bowl set, steel bowl, steel dish, dinner set, steel glass, kacher glass, chimney, ice cream set, knife, peeter, tong, pipkin steel, pan, meat shelf,.

**Department of Physical Education-** Makita electrical lawn mower, stopwatch, fat analyzer, first aid box, harbard step test bebch, chart, cycle ergometer, aerobics stepper, music system, football, volleyball, badminton racket, badminton shuttle, cricket bat, cricket ball, badminton net, table tanis board, table tanis ball, yoga mat, stating gun, javelin stand, discus stand, shot put stand, metronome, vertical jump board, tread mill, high jump mat, flexometer, resistance parasites, knee pain relief cold laser therapy and vibration knee care massager physical therapy machine.

**Department of Physics-** CRO, dc power supply, dc power supply RPS3005, electronic ICs, digital multimeter, IC tester, function generator, bread board, Michelson's interferometer, setup to study Lissajous figure, setup to study motion of couple oscillators, Melde's expt. Setup, setup for Callender and Barne's constant heat flow method, Thermal conductivity of Cu ( Searle's apparatus, Angstrom's apparatus ), direct heating vacuum tube, setup for ionization potential of mercury, setup to measure absorption lines of rotation spectra of iodine vapor, e/m by magnetic focusing, solar clls, int. to measure magnetic susceptibility of solids, coupling coeff. Measurement of piezoelectric crystal, dielectric constant measurement appt. complex dielectric constant by SPR, prism, gritting, lens and lens combination, hydrogen bulb, He bulb, Na bulb, Hg bulb, Copper coils, optical lever, sextant, galvanometer ballistic and dead beat, standard solenoid, coil of mutual induction, Steafan const. apparatus, platinum resistance thermometer, setup to study microwave reflection etc, hookup wire, connection wire, table galvanometer, digital balance.

**Department of Zoology-** PCR, laminar flow, digital balance, gel doc, spectrophotometer, leica microscope with a camera setup, turbidity, digital thermometer aquatic, agrogel electrophoresis, centrifuse machine, western blot plot, Nikon dslr d700.

**Department of Chemistry-** electric water bath, digital balance, biolling point apparatus, calorimeter, thermostate, vacuum oven, vacuum pump,

spectrometer, Kips apparatus, melting point apparatus, centrifuse, pH meter, colorimeter, conductometer, potentiometer, all types of glass wares, whatman, burnernet, brush, asbestos board, separating funnel, reagent bottles, weighing bottle, guard tube, mica foil, spotplate, gravimetric crucible, paper chromatography, TLC plates, condenser.

**Department of Geography-** Dumpy Level with Stand, Transit Theodolite with Stand, Prismatic Compass with Stand, GPS (Latest Version), Clinometers, Planimeter, Plane Table, Tape, Ranging Rod, Ground Pin, Plumb Bob, Spirit Level, Barometer, Hygrometer, Big Globe, Map Stand, Rock Almirah / Table with sample, Pocket Stereoscope, Aerial Photo, Satellite Image with Corresponding Topo-sheet, Ordinary Soil Kits, Digital Soil and Water Pollution Kits, Ultra Microscope, Pocket Digital pH meter, pH Meter (Digital), Soil Moisture & pH Meter, Automatic Shaker, Sieving Set (Quarter Phi Interval)- 2mm to 30 $\mu$ m, Hot Air Chamber, Magnifying Glass, Electronic Balance (0.01gm – 400gm), Chemicals for Soil Analysis, Glass Goods (Burnet, Pipette, Funnel, test tubes, beakers), Other Soil Testing Goods.

### 3. **Chemicals:**

**Department of Chemistry-** aluminum oxide, ammonium molybdate, ammonium liquor, ammonium pre sulphate, ammonium carbonate, ammonium mercuric thiocyanate, m- amyl alcohol, barium borate, barium sulphate, cadmium sulphide, cobalt sulphide, chromium sulphide, chromium (III) potassium sulphate, disodium hydrogen phosphate, ferrus sulphate, ferrus sulphide, lead sulphide, manganese dioxide, nickel sulphide, sodium potassium tartarate, potassium per sulphate, potassium sulphide, potassium bromide, potassium hydroxide (pallets), sodium bromide, sodium bisulphate, sodium hydroxide (pallets), stannous chloride, zinc sulphide, zinc dust, zinc metal granulated, hydrochloric acid, diphenyl carbazide, cinchonine, oxine, tital yellow, unaryl zinc acetate, ortho-phenanthroline, magenta, acetyl chloride, acetic anhydride, rectified spirit, dehydrate alcohol, picric acid, phosphorus penta chloride, aspirin, p-bromo acetanilide, aniline hydrochloride, m-chlobenzoic acid, benoyl chloride, catechol, phenol, p-bromo nitro benzene, ethyl acetate, o-chlorobenzoic acid, 2-naphthyl benzoate, quinol diacetate, resorcinol dibenzoate, p-benzoquinone, p-hydroxy benzaldehyde, p-aminobenzophenone, p-amino benzoic acid, salicyl amide, vaniline, p-toluidine, p-nitrobenzioc acid, p-nitrotoluene, salicylic acid, benzaldehyde,

formic acid, methyl alcohol, ethyl alcohol, acetone, benzoin, benzyl, acetanilide, p-bromro acetanilide, toluene, m-dinitrobenzene, m-nitroaniline, phthalic anhydride, animal charcoal, benzyl chloride, ethyl acetate, potassium iodide, sulphuric acid, hydrochloric acid, nitric acid, phosphoric acid.

**Department of Nutrition-** ethanol, ether, Fehlings reagent A and B, Million's reagent, peptone, gelatin, sucrose, starch, nitric acid, sulphuric acid, hydrochloride acid, glycerol, cholesterol, Seliwanoff's reagent, bile salt, Benedict qualitative and quantitative reagent.

**4. ICT Based Equipments:**

Computer/laptop, projector and accessories, camera( DSLR ), Smart board, scanner, printer, Xerox machine.

**5. Software:**

**Department of Physics-**C, C++, JAVA, Python, SQL, OS-windows-7, Linux, Mac.osx.

**Department of Mathematics-** Matlab, Turbo-C, Math Type6.9, Latex, Mathematica 9.0 , Q-basic, Turbo-C++, Fox BASE, Fox Pro.

**Department of Physical Education-** SPSS Programme

**Department of Geography-** . Windows Soft Ware: Microsoft Windows 8 Pro. Windows Soft Ware: Microsoft Windows 10 Pro. Adobe PageMaker 7.0.2 Adobe Photoshop CS6Adobe Photoshop CS3 Update 10.0.1, Quick Heal Total Security 2015 Latest Version (Anti-virus), Soft Ware for GIS: Map Info Professional Ver. 12.5 No.10 Users Licenses (Including CST5%), Soft Ware for Remote Sensing: Erdas Imagine Professional and Geo Media Professional No.05 users Licenses Soft Ware for Remote Sensing & GIS: ESRI Master Lab Kit No. 03 users Licenses IBM SPSS Statistics(Latest Version) for Statistical Analysis Photoshop-Latest Version ESRI- Arc GIS Master lab. Kit(Latest Version)Super Map Inc –Professional GIS Software MATLAB- Statistical Software BIODIVERSITY Pro.- Statistical Software

**6. Wooden Furniture:** computer tables, practical laboratory tables, tools, racks for chemistry lab, classroom tables, etc.

**7. Steel Furniture:** Almirah, book self.

**8. Electrical items with Fittings:**

Wire, switch boards, fans, tube lights, LED bulbs, brackets of net, Diesel Generator ( internal combustion engine)

**9. Dept.of Physical Education :List of Uniform**

Sl.No.	Name of the Commodity	Name of the Brand
01	Track Suit(Only Lower)	Track On
02	T-Shirt	Track On
03	Short Pant	Track On
04	Shoe	Goldstar
05	Shocks	Sport Classic

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