



**OFFICE OF THE PRINCIPAL, S.K.C.G. (AUTO) COLLEGE,
PARALAKHEMUNDI, GAJAPATI, ODISHA-761200**

Web: <https://www.skcgparala.ac.in> :: E-mail ID: principal@skcgparala.ac.in :: Phone: 06815-223823

Letter No. 526 /SKCG/2023

Date: 17/02/2023

QUOTATION CALL NOTICE

Sealed tenders are invited from registered farms/dealers/suppliers/manufactures/ having valid GST registration, PAN and IT Clearance, for supply of Laboratory Equipment to the College. The last Date of Submission of tenders is 4 P.M of 27.02.2023. The same shall be opened on 28.02.2023 at 3 P.M in presence of all concerned.

The details of terms and conditions and department wise list of equipments are available in the website of the college www.skcgparala.ac.in .


Principal
S.K.C.G. (Auto) College
Paralakhemundi



DEPARTMENT OF CHEMISTRY, S.K.C.G(A) COLLEGE
LIST OF EQUIPMENTS

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| Sl.No | Aparatus | Quantity |
|-------|---|--------------|
| 1 | UV-Vis Spectrometer (Multipule Beam) | 1 |
| 2 | UV-Vis Spectrometer (Single Beam) | 1 |
| 3 | pH meter | 10 |
| 4 | Digital Balance (0.001gm) | 2 |
| 5 | Cooling Centrifuge | 1 |
| 6 | Conductometer | 5 |
| 7 | Colorimeter | 2 |
| 8 | Potentiometer | 4 |
| 9 | Ostwald's Viscometer | 20 |
| 10 | Gouy's Balance | 3 |
| 11 | Water deionisation appratus for distilled water | cap.30lit x2 |
| 12 | Hot plate magnetic stirrer | 2 |
| 13 | Boiling Point apparatus | 5 |
| 14 | Bunsen Burner | 50 |
| 15 | Capillary Tube (One end sealed) | 20 box |
| 16 | Bufffer Tablet(pH 4) | 5pkt |
| 17 | Bufffer Tablet(pH 7) | 5pkt |
| 18 | Bufffer Tablet(pH 9) | 5pkt |
| 19 | Graduated pipette (25 ml) | 20 |
| 20 | Reflux Condenser | 10 |
| 21 | Round Bottom Flask (250ml) | 10 |
| 22 | Separating Funnel 500 ml | 20 |
| 23 | Single Distillation Set | 3 |

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|----|---|--------|
| 24 | Spatula | 100 |
| 25 | Blow pipe | 100 |
| 26 | Calorimeter | 20 |
| 27 | Thermometer (0-200 C) | 20 |
| 28 | Stalagmometer | 50 |
| 29 | Tripod stand | 100 |
| 30 | Wire Gauge | 500 |
| 31 | Kipp's Apparatus (1 lit) | 5 |
| 32 | Filter paper (watman-42) | 50 pkt |
| 33 | Paper Chromatography unit(Glass) | 10 |
| 34 | Paper Chromatography paper | 50 pkt |
| 35 | Melting Point apparatus | 10 |
| 36 | Erose filtration assembly | 2 |
| 37 | refrigerator (double door),cap. 265 lit | 1 |
| 38 | conical flask 100 ml | 50 no. |
| 39 | conical flask 250 ml | 30 no. |
| 40 | Graduated Measuring Cylinder (100ml) | 10 |
| 41 | Graduated Measuring Cylinder (50ml) | 10 |
| 42 | Graduated Measuring Cylinder (10ml) | 10 |
| 43 | Graduated Measuring Cylinder (20ml) | 10 |
| 44 | Graduated Measuring Cylinder (5 ml) | 10 |
| 45 | Measuring Cylinder (500ml) | 1 |
| 46 | Measuring Flask (1000ml) | 20 |
| 47 | Measuring Flask (100ml) | 20 |
| 48 | Measuring Flask (250ml) | 20 |
| 49 | Computerer unit for spectrophotometer | 2 |
| 50 | printer | 1 |
| 51 | Laboratory Glove | 10 |
| 52 | Laboratory Goggles | 10 |
| 53 | UV-Light For Chromatography | 2 |

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| S. No | Reagents | Quantity |
|-------|--|-----------|
| 1 | Tollen's reagent | 10x100ml |
| 2 | Sodium borohydride | 500ml |
| 3 | Pyridinium chlorochromate | 3x100gm |
| 4 | Fehling's A & B | 2000 ml |
| 5 | Magneson's Reagent | 4x100ml |
| 6 | Nessler's Reagent | 4x100ml |
| 7 | Methyl Red | 4x100ml |
| 8 | Pyridinium Dichromate | 3x100gm |
| 9 | Silver Nitrate | 100gm |
| 10 | Cerric Ammonium Nitrate | 500gm |
| 11 | Sodium Borohydride | 5x10o gm |
| 12 | Cyclohexane | 5 lit |
| 13 | Cyclohexene | 2 lit |
| 14 | Methyl orange | 200mlx10 |
| 15 | pheolphthalein | 200mlx10 |
| 16 | O-nitro phenol | 500gmx4 |
| 17 | P-nitro phenol | 500gmx4 |
| 18 | O-amino phenol | 500gmx4 |
| 19 | p-amino phenol | 500gmx4 |
| 20 | Copper sulphate | 500gmx4 |
| 21 | Methyl acetate | 500mlx4 |
| 22 | Activated charcoal | 500gmx4 |
| 23 | Edta | 500gmx2 |
| 24 | Edta | 25 unit |
| 25 | pipette stand(tarson) | 5 doz |
| 26 | watch glass 2inch(corning/borosil) | 5 doz |
| 27 | watch glass 4inch(corning/borosil) | 3doz each |
| 28 | funnel 3inch,4 inch,5inch(corning/borosil) | 2 unit |
| 29 | Hot air oven | 1 gross |
| 30 | Rubber cork Different Size | 2x500ml |
| 31 | Acetaldehyde | 500ml |
| 32 | Acetamide | 500ml |
| 33 | Acetanilide | 2x500ml |
| 34 | Acetic Acid | 10x500ml |
| 35 | Acetone | 2x500ml |
| 36 | Acetophenone | 2x500ml |
| 37 | Potassium Thiosulphate | 6x500gm |

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| 37 | Silica Gel | 5kg |
| 38 | Acetic Acid | 2x500ml |
| 39 | Acetone | 10x500ml |
| 40 | Hydrogen Peroxide | 8x500ml |
| 41 | Iodine Granules | 4x25gm |
| 42 | Hydrochloric acid | 6x2.5lit |
| 43 | Oxalic acid | 4x500gm |
| 44 | Potassium Iodide | 5x100gm |
| 45 | Potassium permanganate | 2x500gm |
| 46 | α -Naphthol | 500gm |
| 47 | β -Naphthol | 500gm |

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DEPARTMENT OF GEOGRAPHY, S.K.C.G (AUTO.) COLLEGE, PARALAKHEMUNDI

LIST OF GEOGRAPHY LABORATORY EQUIPMENTS 2022-23

| Sl No. | Name of the item | Quantity (in No.) |
|--------------------|---|-------------------|
| 1 | Desktop Computer Systems (For Remote Sensing and GIS Lab.) | 7 |
| 2 | UPS | 7 |
| 3 | Scanner | 1 |
| 4 | GPS-Garmin eTrex 32x Rugged Handheld GPS Navigator | 1 |
| 5 | Camera +TRIPORD STAND+FILTER | 1 |
| 6 | SATELLITE IMMAGERIES (LAND AND TERRAIN, LAND AND VEGETATION | 4 |
| 7 | AREAL PHOTOGRAPHS | 4 |
| 8 | Digital Anemometer | 1 |
| 9 | Wind vane | 1 |
| 10 | Rain gauge | 1 |
| 11 | Aneroid Barometer | 1 |
| 12 | Panto meter | 1 |
| 13 | Rota meter | 2 |
| 14 | HTC Instrument 288-ATH Plastic Digital Indoor Outdoor Hygro Thermometer with Clock | 1 |
| 15 | Aluminum Leveling Staff | 1 |
| 16 | Heavy Duty Survey Tripod Stand | 1 |
| 17 | PRIMATIC COMPASS WITH ALLUMINIUM STAND AND BOX | 1 |
| 18 | Indian Weather Maps | 20 |
| 19 | Block maps OF Gajapati for each block | 7 |
| 20 | District Map of Gajapati | 1 |
| 21 | Rock set | 1 |
| 22 | Mineral set(Set of 20) | 1 |
| 23 | Metallic Ores(Set of 20)] | 1 |
| 24 | Geological Maps | 2 |
| 25 | Collection of Rock Model | 1 |
| 26 | Map Storage Stand | 1 |
| 27 | GEOMORPHOLOGICAL MODEL | 1 |
| 28 | Origin of the Earth-model 100X 75 CM | 1 |
| 29 | STORY OF THE EARTH SIZE 100X75 CM | 1 |
| 30 | Toposheets/Topographical Maps- | 20 |
| 31 | Educational Raxine Charts (Size 75x100cm); GEOGRAPHY: (White Raxine), Volcano &its types | 1 |
| 32 | Educational Raxine Charts (Size 75x100cm); GEOGRAPHY: (White Raxine), Earthquakes | 1 |
| 33 | Educational Raxine Charts (Size 75x100cm); GEOGRAPHY: (White Raxine), Weathering & erosion | 1 |
| 34 | Educational Raxine Charts (Size 75x100cm); GEOGRAPHY: (White Raxine), Formation of Himalyas | 1 |
| 35 | DIGITAL ALTI METER | 1 |
| GRAND TOTAL | | 99 |



H.O.D.
DEPARTMENT OF GEOGRAPHY

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PRINCIPAL

LIST OF EQUIPMENTS REQUIRED FOR PHYSICS LABORATORY AS PER CBCS SYLLABUS

| SI No. | Equipment Name | Specification, if any | No of Quantity |
|--------|---|-----------------------|----------------|
| 1 | Norton Theorem Apparatus Box | | 4 |
| 2 | Meldes Apparatus | | 2 |
| 3 | Sodium Vapour Lamp 35W | Besto/Mars | 5 |
| 4 | Mercury Vapour Lamp 35W | Besto/Mars | 5 |
| 5 | OP-Amp (741/351) as adder and sustractor Box | | 4 |
| 6 | Dual Power Supply (0-32 V) | | 4 |
| 7 | RC-Coupled Transistor box | | 2 |
| 8 | Measurement of Plancks Constant by LED Box | | 4 |
| 9 | e/m Measurement Box | | 4 |
| 10 | CRO Apparatus (4 Channel), 20MHz | | 4 |
| 11 | Two way keys | | 10 |
| 12 | De'Morgans Theorem Apparatus Box | | 4 |
| 13 | Astable Multivibrator Box | | 2 |
| 14 | Malus Experiment Set up | | 4 |
| 15 | Measurement of Boltzmann Constant Apparatus Box | | 2 |
| 16 | Babinet's Compensator Apparatus set up | | 4 |
| 17 | BH Curve Apparatus box | | 2 |
| 18 | Four Probe Set up (Hall Effect) | | 2 |
| 19 | GM Counter Experimental Set up | | 2 |
| 20 | Bread Board(Electronic) | | 20 |

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Head of Physics Department
S. K. C. G. (Auto.) College
Paralakhemundi (Gajapati)

DEPARTMENT – ZOOLOGY

| Sr. No. | Items |
|---------|---|
| 01. | "BM Brand" (AN ISO Certified Co.) B. O. D. Incubator 6.1cuft, Stainless steel chamber Digital |
| 02. | "BM Brand" (AN ISO Certified Co.) Hot Air Universal Oven size 12x12x12" Stainless steel chamber |
| 03. | "BM Brand" (AN ISO Certified Co.) Laminar Air Flow Horizontal M. S. , size 2x2x2 feet |
| 04. | "BM Brand" (AN ISO Certified Co.) paper chromatography unit, size 24x12x24" |
| 05. | Professional Dissection Box (2 Sets) |

Thanking You,

With Regards,


HEAD 16/02/23

Dept. of Zoology

HEAD OF THE

Department of Zoology
S K C.G (Aut.) COLLEGE
Paralakhemundi Gajapati.


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| Sr. No. | Items |
|---------|---|
| 01. | "BM Brand" (AN ISO Certified Co.) UV – Trans Illuminator College model view 25x13cm. |
| 02. | "BM Brand" (AN ISO Certified Co.) B. O. D. Incubator 6.1cuft, Stainless steel chamber Digital |
| 03. | "BM Brand" (AN ISO Certified Co.) Hot Air Universal Oven size 12x12x12" Stainless steel chamber |
| 04. | "BM Brand" (AN ISO Certified Co.) Gel Electrophoresis unit with accessories Vertical |
| 06. | "BM Brand" (AN ISO Certified Co.) Autoclave Vertical double wall, size 250x450m. |
| 07. | DSLR Camera Cannon |
| 08. | "BM Brand" (AN ISO Certified Co.) Laminar Air Flow Horizontal M. S. , size 2x2x2 feet |
| 09. | "BM Brand" (AN ISO Certified Co.) paper chromatography unit, size 24x12x24" |
| 10. | Double distillation unit 3 liter Borosilicate glass |
| 11. | Micropipette with Micropipette tips (10µl) |
| 12. | Micropipette with Micropipette tips (20µl) |
| 13. | Micropipette with Micropipette tips (100µl) |
| 14. | Micropipette with Micropipette tips (500µl) |

Thanking You,

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Dept. of Zoology
HEAD OF THE
Department of Zoology
S K C.G (Autonomous) COLLEGE
Paralakhemundi Gajapati

List of required Lab Equipments 2022-23

~~Ref. Govt Order No. HE/GCE/Pran/0032/2022/39170/Pr.Dtd.16.09.2022~~

Ref. 5973 dt 10.02.2023

Dept of Botany

- 1) Students Biological Microscopes (20 Nos) Compound Monocular
- 2) Dedicated pH/ORP Meter – H12002 SKU: H12002-02 (2 Nos)
- 3) pH Meter Range 0-14 pH with Auto Temperature, Combination Electrode (2 Nos)
- 4) Portable Autoclave, Six Wing Nut, Aluminium, Capacity 10 ltrs (1 No)
- 5) Infrared Sterilizer (2 Nos)
- 6) Slides & Cover-slips G LAB Plain Glass (20 boxes 50pc each)
- 7) Forceps (Surgical grade 6") 12 Nos
- 8) Polygrid Test tube stands (Tarson) 30 Nos (40 capacity)

PG Dept of Life Sciences

- 1) Students Biological Microscopes (12 Nos) Compound Monocular
- 2) Dedicated pH/ORP Meter – H12002 SKU: H12002-02 (2 Nos)
- 3) Chromatographic Papers
- 4) Slides & Cover-slips G LAB Plain Glass (20 boxes 50pc each)
- 5) Double Distilled Water installation (5 Ltrs Capacity, 1 unit)
- 6) Polygrid Test tube stands (Tarson)15 Nos (40 capacity)

17.2.2023

J. D. An
17.2.23

(HOD, Botany &
Pg Life Sci)