



Office of the Principal  
Pattamundai College, Pattamundai  
Dist: Kendrapara

No: - 425

Date: - 22/03/21

**Tender Call Notice**

We are interested to purchase Science Laboratory equipment for Physics, Chemistry, Botany & Zoology laboratory of Pattamundai College. The funds available from DHE, Govt of Odisha Grant. The details list is attached here with as an Annexure. Interested firm having GSTN, PAN and Tax clearance may send their quotation through our college e-mail: [pattamundaicollege@gmail.com](mailto:pattamundaicollege@gmail.com) on or before 04.04.2021.

**Condition of the Quotation: -**

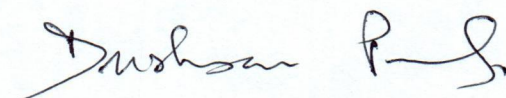
1. The rates quoted should be constant for at least 4 months from the date of offering quotation.
2. Payment will be made after receiving materials in good & functioning condition.
3. The Authority reserves the right to reject all quotations without assigning any reason thereof.

  
Principal

Pattamundai College

DEPARTMENT OF CHEMISTRY

<b>List of Apparatus</b>		
<b>Sl No</b>	<b>Name of the Apparatus/Equipments</b>	<b>No</b>
1	Double beam UV-VIS Spectrophotometer with PC 2202(Systronics)	1
2	Micro burette	2
3	LCD Projector	1
4	Spectrophotometric titration cell	1
5	Digital pH meter with electrode	1
6	Conductivity meter with accessories	1
7	Potentiometer with accessories	1
8	Wheatstone Bridge	2
9	Calomel Electrode & Platinum Electrode	1
10	Heating mantle Cap-1000 ml	1
11	Beckman Thermometer	2
12	Melting point Apparatus(Systronics)	1
13	Viscometer	3
14	Copper Calorimeter	2
15	Stalagmometer	6
16	Stop watch	3
17	Thermometer	2



**HOD,  
CHEMISTRY**

## ***LIST OF APPARATUS FOR PHYSICS LABORATORY***

1. Study of electron spin resonance- determine magnetic field as a function of the resonance frequency.
2. To determine the value of  $e/m$  magnetic focusing with analog meter.
3. To measure the band gap of a given semiconductor by four –probe method with analog meter.
4. To determine the temperature co-efficient of resistance by Platinum resistance thermometer(PRT).
5. Measurement of Magnetic field strength and its variation in a solenoid.
6. To determine the specific rotation of sugar solution using polarimeter.
7. To design an astable multivibrator of a given specifications using 555 Timer with analog meters.
8. To study the characteristics of a bipolar junction transistor both in CE and CB configurations with analog meters.
9. To determine an unknown low resistance using potentiometer with analog meters.
10. To study the characteristics of a series R-C circuit with analog meters.
11. To design a monostable multivibrator of a given specification using 555 timer with analog meters.

*Ramesh Kumar Sahoo*

## List of Apparatus to be purchased for Botany Department

1. Horizontal Laminar Flow
2. UV Spectrophotometer
3. Projector
4. Herbarium Press
5. Occular and Stage micrometer
6. Soil Thermometer
7. Soil pH meter
8. Anemometer
9. Psychrometer
10. Rain gauge
11. Hot Air Oven
12. BOD incubator
13. Digital water and soil analysis Kit
14. Burette with stand

Arijati Kumari Dash  
H.O.D., Botany

# List of Laboratory Equipments for Dept. of Zoology

## Pattamundai college, Pattamundai

### Museum Specimens:

1. Sycon	2. Hyalonema
3. Obelia	4. Physalia
5. Tubipora	6. Corallium
7. Penatula	8. Madrepora
9. Taenia solium	10. Ascaris (Male & Female)
11. Heteronereis	12. Sabella
13. Hirudinnaria	14. Daphnia
15. Eupagurus	16. Scolopendra
17. Chiton	18. Dentallium
19. Sepia	20. Octopus
21. Asterias	22. Ophiura
23. Antedon	24. Balanoglossus
25. Petromyzon	26. Myxine
27. Pristis	28. Torpedo
29. Exocoetus	30. Echinus
31. Tetradon	32. Salamander
33. Necturus	34. Frog
35. Chameleon	36. Garden Lizard
37. Cuckoo	38. Loris
39. Euplactella	40. Spongila
41. Millepora	42. Aurelia
43. Gorgonia	44. Metridium
45. Ctenophora	46. Fasciola
47. Aphrodite	48. Nereis
49. Sertula	50. Chitopterus
51. Balanus	52. Sacculina
53. Julus	54. Peripatus
55. Helix	56. Doris
57. Nautilus	58. Pentaceros
59. Echinus	60. Cucumaria
61. Amphioxus	62. Herdmania
63. Scoliodon	64. Sphyr
65. Chaemera	66. Mystus
67. Anguilla	68. Hippocampus
69. Alytes	70. Hyla
71. Chelone	72. Trionyx
73. Draco	74. Pigeon
75. Bat	76. Herpestes

## Slides:

1. T.S. of different regions of Herdmania	2. T.S. of different regions of Amphioxus
3. T.S. and L.S. of Sycon	4. V.S. of Kidney of mammal
5. Amoeba	6. Euglena
7. Nerve cells	8. T.S. of pancreas
9. T.S. of Adrenal	10. T.S. of Thyroid
11. Blastula of Frog	12. Gastrula of Frog
13. Tadpole larva of frog	14. Life cycle of ascaris (photograph/slide)
15. Polytene Chromosome	16. Tail bud stage of frog
17. Neurela	18. Cleavage stages of frog
19. T.S. of Parathyroid	20. T.S. of Testis
21. T.S. of Ovary	22. Squamous Epithelium
23. Striated Muscle Fibre	24. Development of chick embryo (different hours)
25. Different section of Placenta	26. T.S. of different regions of Balanoglossus
27. Paramecium (Binary fission and conjugation in Paramecium)	28. T.S. of Pituitary

## Charts:

1. Digestive system	2. Nephridia of earthworm
3. DNA replication	4. RNA
5. Human karyotypes	6. Pedigree analysis
7. Carapace and plastron of turtle / tortoise	8. Life Cycle of Ascaris (Photograph/slide)
9. Types of beaks	10. Feathers and claws
11. Transcription	12. Split gene
13. Life cycle of Drosophila	14. Mammalian skull

## Models:

1. Mammalian Heart	2. Mammalian Kidney
3. Mammalian Ear	4. DNA
5. Mammalian Lungs	6. Mammalian Eye

### Other Equipments:

1. pH meter	2. Dissolve Oxygen Content (BOD, COD)
3. TDS	4. CO <sub>2</sub>
5. Gel electrophoresis	6. Water bath (6 hole) Electrical
7. Paper Chromatography (for amino acids)	8. Digital Weight Machine (01)
9. Fluorescent microscope (01)	10. Burette (08)
11. Glass Stopper for bottles (08)	12. Cavity Slides (08)
13. Test tube stand (08)	14. CO <sub>2</sub>
15. Autoclave	16. Centrifuge machine
17. Spectrometer	18. Digital pH meter
19. Micropipette (Borosil)	20. Compound Microscope (16)
21. Manual Weight Machine (01)	22. Conical Flask (08)
23. Pipette (08)	24. Test tube – Borosil (24)
25. Staining tube (04)	26. Preparation materials for DNA and RNA slides

*Dilip Kumar Dasgupta*  
H.O.D. 02.3.21

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Head of The Department  
Zoology  
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