

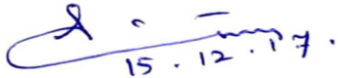
**OFFICE OF THE PRINCIPAL, GOVT. WOMEN'S COLLEGE:
SAMBALPUR**

No. **1870**/GWC, Date **14/12/2017**/

TENDER CALL NOTICE

Sealed tenders are invited from reputed Manufacturers/ Suppliers/ Authorized Dealers with valid PAN, TIN & GST numbers for supply of Laboratory Equipments & Chemicals as per CBCS syllabus of Sambalpur University through speed post to the office of the Principal, Govt. Women's College, Sambalpur on or before Dt. 04.01.2018. Interested Firms/ Suppliers can see the details of requirement and terms & conditions from the college office during working hours or the website www.gwcsbp.in. The tender will be opened on Dt. 05.01.2018 at 03:00 PM in the office of the Principal in presence of the members of purchase committee.

The authority reserves the right to reject/ cancel the tender in whole or part without assigning any reason thereof. The authority is not responsible for any postal delay.



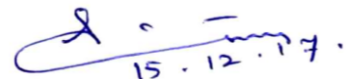
15.12.17.

Sd/- Principal
Govt. Women's College, Sambalpur

TENDER CALL NOTICE

Terms & Conditions

1. Inspection & testing would be conducted, jointly at various stages as applicable during unpacking, installation and commissioning of respective equipment/ components.
2. The undersigned reserves the right to reject any equipment if it does not comply with the specification during site testing, installation and commissioning stage.
3. The cost of all such is borne by the firm/ supplier.
4. The firm/supplier will not be permitted to change the substance of his offer after the tenders have been opened.
5. In case the items supplied by the supplier are found not up to the specification shall be rejected.
6. Supplied manuals/ handbooks must cover detailed technical specification and installation, operation maintenance and System Safety procedures.
7. For Experimental setups details of theory, procedure and methods of taking measurements etc. should be provided in the form of hand books for each experiment.
8. The firm must specify brand name and full model name and number of each offer.
9. The firm must specify accessories requirement along with each of the equipment.
10. The firm must specify the list of Accessories to be given free of cost, along with the equipment as "Free Accessories" these should be fully compatible with the quoted models.
11. Terms of delivery of goods will be at the cost of the firm.
12. Terms of payment will be made after receiving the goods in good condition.
13. Packing and despatch instructions will be at the cost of the firm.
14. The prices quoted by the suppliers/ firms are inclusive of all taxes.
15. Installation charges will be borne by the suppliers/ firms.
16. The suppliers are required to provide the equipments to the college on or before 15th Feb.2016, failing which the above order will be treated as cancelled.
17. In case the suppliers fail to supply the product on or before the last date as mentioned in the purchase order, local firms will be asked to provide the same.
18. All disputes if any will be settled in the Sambalpur Jurisdiction.



Principal
Govt. Women's College,
Sambalpur



REQUIREMENT OF LABORATORY EQUIPMENT | CHEMICAL, DEPARTMENT OF ANTHROPOLOGY, GOVT. WOMEN'S COLLEGE, SAMBALPUR.

Sl. No. 1

Name of the Instrument: Mandibulometer

Specification: - It is a device for any precision study of the mandible.
GPM Swiss made horizontal and vertical scales, rapporteur to measure the angle of the two branches.

Net weight: 1200 kg.

Approximate Price: Rs 15,000/-

Sl. No: 2

Name of the Instrument: Osteometric Board.

Specification: - Table of 60 cm. length x 25 cm. width.

Made of PVC or steel. To measure the length and height of a bone and to determine angles and curves.

The horizontal side, covered with graph paper, protected by glass.

A removable steel circle allows to measure angles. According to the required measure or dimensions of the bone, the circle can be placed at three different location on the table

GPM Swiss made.

Net weight: - 2900 kg.

Quantity: - 02

Approximate price: - Rs 20,000/-

Sl. No: 3 :

Name of the Instrument: - Height measuring Tape

Specification: - 200cm 1/2 inch ... 00 ... 1

Sl. No. 4:-

Name of the Instrument:- Finger and palm printing kit.

Specification:- Ink pad, lens, roller, plate.

Quantity:- 02

Approximate price:- ₹ 12,000/-

Sl. No. 5:-

Name of the chemical:- Anti Sera 'A', 'B', 'D'

Specification:- Pack size 5 ml. each

Quantity:- 2 pkt.

Approximate price:- ₹ 1000/-

Total Approximate price:- ₹ 49,000/-

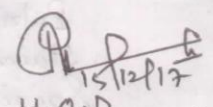
Submitted by:

Dr. Kalyani Rath, Lecturer
Department of Anthropology.

Department of Botany
List of Equipments and chemicals.

S/No	Name	Quantity
1.	Compound microscope	03
2.	simple microscope	04
3.	centrifuge machine	01
4.	Herbarium press (wooden)	01
5.	Ganong's potometer	06
6.	Farmers potometer	06
7.	Wilmoth's Bubbler	06
8.	Beaker Big size	24 nos.
9.	Beaker Small size	24 nos.
10.	Water glass	4 dozens.
11.	Petri dish Small size	2 dozens
12.	Petri dish big size	2 dozens.
13.	Stain caving (12 holes)	6 nos.
14.	Spirit lamp	6 nos.
15.	Test tube C	4 gross.
16.	Test tube stand	12 nos.
17.	Test tube holder	12 nos.
18.	Measuring cylinder (50ml)	03 nos.
19.	Measuring cylinder (10ml)	03 nos.
20.	What man's Chromato graphy paper	2 pkts.
21.	Dissection Box.	2 nos.
22.	Digital water and soil analysis kit-	01
23.	Pipette	06
24.	Weight Machine.	01
25.	Permanent slides of each plant group, i.e, Algal, Fungi, Bryophytes, pteridophytes, Gymnosperm -	01.
26.	Permanent slides of Bacteria.	01 Set.
27.	Models of virus -	01 set.
28.	Life cycle charts of Bacteria, Virus. each one set.	
29.	Embryological slides	1 set.
30.	Tissues Permanent slides	1 set.
31.	Adaptive and non-adaptive secondary growth slides -	Each one.
32.	Chart of mitosis cell division -	01
33.	Chart of meiosis cell division	01

Sno.	Name	Quantity
36.	pH paper	01
37.	Doier machine	02
38.	Ethyl alcohol 450ml	01
39.	Acetone 450ml	01
40.	Petroleum ether 450 ml	01
41.	Sodium hydroxide 450ml	01
42.	Ammonium hydroxide 450ml	01
43.	Glycerine 450 ml	01
44.	Cover slip	01 Pkt.
45.	Drooping bottle	24 nos.
46.	Stem material for anatomy	one each

Sr. 
 H.O.D.
 Department of Botany
 Govt Women's College,
 Sambalpur

Department of Chemistry

The list of equipments required for CBCS syllabus

1. Elico Conductivity meter (or any other make of good company) Digital conductivity meter.
2. Elico colorimeter (" ")
3. Potentiometer (Digital)
4. pH meter (electrode/pen type) Systronic
5. Gas pipe (with wire)
6. Gas clamp
7. Swan pipe (brass) for distillation plant fitting.
8. CFL or LED Bulb 30/40 watt
9. Buchner funnel.
10. Le-beig condenser with flask (glass)
11. Micro burette for conductometric titration.
12. 0.1° thermometer (for calorimetric expt)
13. New connection gas cylinder (4 nos)
14. Inverter
15. Chromatography kit
16. Thin layer chromatographic plate (TLC)

Sujata Panda
JOD Chemistry
Dt. 14.12.17

DEPARTMENT OF GEOGRAPHY
(Required instruments as per the CBCS syllabus)

SL NO.	NAME OF THE INSTRUMENTS	No.	PRICE & COMPANY
1.	Tracing Table (slanting) + chair (Rot Iron)	1	15,000/-
2.	Brouton compass DGL-8	1	7200/-
3.	Wired Globe	4	12,000/-
4.	Wet & Dry Theometer	1	2,500/- Comp - Zeal England
5.	Max. & Min. Thercom eter (with Magnet)	1	2,500/- Comp: Zeal England
6.	Map storage stand	1	2100/-
7.	Map Display stand	1	1300/-
8.	Kansil's white bleek board (4x3) feet	1	7900/-
9.	RM06 Rocks set of 25 in wooden box	1	1650/-
10.	French Curve (24 sets)	1	600/-

SL NO.	NAME OF THE INSTRUMENTS	NO.	PRICE & COMPANY
11.	Weather Maps of India (from Jan - Dec)	12	180 x 12
12.	India size (70 x 100) cm Product cod - FTM-10	10	35 x 10
13.	SRLC contour Roll up chart (100 x 135) cm	2	550 x 2
14.	MR21 contour chart size (set of 2)	2	360 x 2
GRAND TOTAL		=	£ 58,280/-

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List of equipments

Dept. of Home science

<u>Sl.No.</u>	<u>Name of equipment</u>	<u>Number</u>
1.	Magnifying Glass	12 pc
2.	Radio	1 set
3.	Weight and Measurement Machine (for food)	6 pc
4.	Caliper	02
5.	Microscope	01
6.	Plucker	12 pc
7.	Sketching Board	6 pc
8.	Growth chart for children	6 pc
9.	Lactometer	2 pc
10.	First Aid Box	01
11.	C.D. Related to fashion design	1 set
12.	Scissors (for cutting a tailoring)	6 pc
13.	Measuring scale and tape	6 pc

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9.12.17

Dept. of Home sc.

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Dept. of Physics

List of equipments for different expts as follows as per SV CBCS syllabus.

01. To verify the Stefan's law of radiation and to determine Stefan's constant.
 02. To determine the refractive index of (1) glass and (2) a liquid by total internal reflection using Gaussian eyepiece.
 03. To determine the Boltzmann const. using V-I characteristics of PN-junction diode.
 04. To determine wavelength and velocity of ultrasonic waves in a liquid (Kerosene, oil, xylene etc.) by studying diffraction through ultrasonic grating.
 05. To study B-H curve of Iron using a solenoid and determine the energy loss.
 06. To measure the dielectric const of a dielectric material with frequency.
 - ~~06.~~
 - ~~07.~~ ~~To determine the complex~~
 07. To measure the resistivity of a semiconductor (Ge) crystal with temp. by four-probe method (room temp to 150°C) and to determine its band gap.
 08. To study the Colpitt's oscillator.
 09. To investigate the use of an OP. Amp. as an integrator and differentiator.
 10. To study the V-I characteristics of a Zener diode and its use as volt. regulator.
 11. ~~To study the frequency~~ To design a Wien-bridge oscillator for given frequency using an OP. Amp.
 12. To design a phase shift oscillator of given specifications using BJT.
 13. To show the tunneling effect in tunnel diode using I-V characteristics.
- 1 ED, of an

18. Half adder, full adder and 4-bit binary adder.
19. Half subtractor, full subtractor, Adder-Subtractor using full adder IC.
20. To convert a Boolean expression into logic circuit.
21. To minimize a given logic circuit.
22. To build JK Master-Slave FF using FF ICs.
23. To verify the Thevenin and Norton Theorems.
24. To compare capacitance using De' Sauty's bridge.
- ~~25. To use a millimeter for measuring capacitance.~~
25. To determine the modulus of rigidity of a wire by Maxwell's needle.
26. To determine the elastic constant of a wire by Searle's method.

NB: Preferably from OMEGA, SPANCOTEK, INSIF

J. Peri
12/12/13

Department of Psychology
Lists of Test Materials

Sr. No.	Name of Test Material	Approx. Price	No. of materials
1.	Bhatia Battery of Performance Intelligence Test	Rs. 4800	2
2.	Battell's 16 PF Questionnaire	Rs. 3000	2
3.	Academic Stress Questionnaire	Rs. 1000	2
4.	Raven's Progressive Matrices Intelligence Test	Rs. 9000	1

Ams
15/12/17

Lung, kidney, Eye, Ear (Mammal)

SP. - Fish - chimaera, Heteropneustes, Myxus.

Amphibia - Gephyrophis, Hecturus,

Aves - Columbalivia, Psittacula, Bubo, Alcedo, Diodorion or Passer, Ploceus.

Mammal - Sorex, Funambulus, Loris, Herpestes, Erinaceus.

Slides (Gen) → Squamous epithelium, striated muscle fibre, Nerve cell,

① Mammal - Skin, Cartilage, Bone, spinal cord, Pituitary, Adrenal, Thyroid, Para -

② Amoeba, Conjugation, Rectum, trachea, Lung, Binary fission at Paramecium.

③ Fish - Placoid, Cycloid & Ctenoid scale

④ Balanoglossus - Thro. Drobosis, Branchio - genital region.

⑤ Amphioxus - Caudal region

⑥ Hordmania - Spicules.

⑦ Pests. → Sitophilus oryzae, Trogoderma - granarium, Callosobruchus chinensis

⑧ Eye. Sycam. - T.S. & L.S. Tribodium castaneum, Carapace & Plastron at Turtle/Tortoise.

1. Skull at Mammal - Carnivorous.

2. Chromatography set up. - (No. 2)

3. Amino - acid.

4. Whatman No. 1. Filter paper.

5. Life cycle at ...