

TENDER FOR THE SUPPLY OF LABORATORY- EQUIPMENTS & LAB-CHEMICALS,
CC TVs, COMPUTER FOR AUTONOMOUS EXAM. SECTION, COMPUTERS ETC. FOR
CAREER COUNSELLING CELL

ORDER NO. 314 / Date 31.01.19

Sealed tenders are hereby invited by **Govt. College (Auto), Angul** from reputed Manufacturers (Preferably ISO Certified) / Dealers for procurement (supply & installations) of (a) LABORATORY EQUIPMENTS, CHEMICALS, INFRASTRUCTURE etc., (b) CCTVs (c) COMPUTERS/ARTICLES/EQUIPMENTS FOR CAREER COUNSELLING CELL, (D) PURCHASE OF COMPUTERS/EQUIPMENTS FOR AUTONOMOUS SECTION. The detailed specification is available in **Annexure-(I, II, III & IV)**.

The Tenderers should submit the completed documents along with EMD, 2% of the quoted value (refundable) of equipment on the tender documents in the form of Demand Draft drawn in favour of "**PRINCIPAL GOVT. COLLEGE (AUTO), ANGUL**" payable at Angul.

Separate quotations for each department should be marked as "**Quotation for department (Phy./ Chem./ Bot./ Zool./ Math./ CC TVs/ Auto. Exam. Section/ Career Counselling Cell)**" at the top of the envelope should reach the Office of The Principal Govt.College (Auto), Angul On or before **19.02.2019 by 01 P.M.**

Terms & Conditions:

1. The Quotation paper, filled in every respect must reach the undersigned with copies of relevant documents on or before **19.02.2019 by 01 P.M** by Speed post / Registered Post / Courier / by hand.
2. Copies of the credibility certificates and valid authorization certificates of various relevant products must be enclosed with the quotation.
3. The firms / Suppliers are required to enclose copies of its current valid GST Clearance Certificates and Income tax return along with copy of PAN card with the quotations.
4. In case of negligence of the firm, the undersigned reserves the right to cancel the order and actions may be initiated as deemed fit against the firm.
5. The quoted prices must be according to concessional rates and taxes applicable for educational institutions.
6. All Quotationers will be evaluated and compared on the basis of the following order :
 - (a) Quality
 - (b) Price
 - (c) Guarantee/ Warranty, expiry period offered.

7. **Prices quoted must be inclusive of all taxes and all charges with free delivery, demonstration & installation.**
8. The following Documents should accompany the Tender.
 - a) Quotation duly completed and signed .
 - b) Detail Specifications.
 - c) Bidding data sheets /Offer sheets duly completed and signed.
 - d) EMD as applicable
 - e) Copy of recent Income tax return and GST returns..
 - f) Certificate of Incorporation / Business Registration.
 - g) All other documents as mentioned in the term and condition.
 - h) Authorization letter from Manufacturer.
9. Conditional Quotations are not acceptable.
10. Service Tax may be charged against as per the rules applied to an educational institution.
11. Any dispute arising out of the transaction shall be subjected to jurisdiction of Angul Court only.
12. The Quotationers are required to submit the Quotation papers filled in, with other supportive documents, failing which, they may be rejected.
13. The undersigned reserves the right to reject any or all quotations received without assigning any reason thereof.
14. The Tender will be opened on dated **19.02.2019 at 02 p.m.** in Room No-01 of The Principal Govt. College (Auto), Angul

N.B:-

- 1) For CCTV & its accessories, the Quotationers must install and handover after commissioning within one week of getting order, if selected through the bidding process.
- 2) For the rest of the items the Quotationers must install and submit vouchers within 15 days from the date of the issue of order for supply.
- 3) Incomplete data in any respect is liable for rejection.

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Department of Physics

Govt. College (Auto), Angul

INSTRUMENTS

Sl.	Details of the Experimental Apparatus and Specifications	Units
01	Stefan's constant Heat radiation apparatus by using sensitive Galvanometer	one
	Specifications – Stefan's constant (heat radiation) measurement apparatus on stand with silver and black disc. Cu-cn-Cu thermocouple on a rigid and insulated board with two junction in cotton wool. Cotton wool in a cylindrical enclosure on the stand of the junctions of Cu-cn thermocouple. Water bath copper, Oil bath with mustard oil, capacity 100 ml. Fuel for spirit lamp 2 x 100 ml with stand. Steam boiler 2 liter capacity with plastic tubing with pinch fork. Two spiraling connecting wires with connectors. One plastic funnel, One 250 ml beaker, Hot plate thermostatic controlled single phase (8"). Two thermometers 110 degree C for black body apparatus and one mercury thermometer 360 degree C for oil bath.	
02	Instrument for studying the dispersion relations for monoatomic and diatomic lattices	one
	Specifications – The instrument should consist of transmission line, which simulates 1D mono-atomic and di-atomic lattices. It should have a built in power supply and output stage to match the impedance of the simulated lattice. The instrument should have 50MHz Digital output with Audio oscillator with amplitude controller and facility to vary the frequency from 0.10 KHz to 100 KHz. The instrument should have a digital frequency counter.	
03	Ferroelectric of ceramics (Measurement of Curie temperature)	one
	Specifications – Main unit set up to consists of two units in the same cabinet. (a) Oven – specially designed for dielectric measurements. Oven controller to have Platinum RTD (A Class) for sensing temperature. Sensor RTD (A class) with display 3-1/2 digit, 7 segment LED with autopolarity and decimal indication power 150 Watts. Oven temperature range ambient to 473 K with resolution of 1K stability up to 0.5K. Measurement accuracy up to 1K. A Wheatstone bridge and an instrumentation amplifier to be used for signal conditioning. Feedback circuit to ensure to ensure offset and linearity in trimming and a fast accurate control of the oven temperature. (b) Digital capacitance meter – The capacitance meter should be a direct reading instrument for directly reading the capacitance of a sample using a display 3-1/2 digit, 7 segment LED with autopolarity and decimal indication. It should be able to measure in the range of 50 – 6000 pf with resolution of 1pf.	
04	DC Power supply unit (dual)	four
	Specifications – The power supply unit should have single phase Input voltage of 230 V AC +/- 10% @ 50 Hz and Output voltage in the range 0-20 V DC (which can be continuously varied by using coarse potentiometers) and Load current: 0-1 Amps. The unit to have LED displays for AC input, CV and CC mode of operations and 3-1/2 Digit panel meters for display of output voltage on front panel.	

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	Protections for the Unit – (a) Fuse and Miniature circuit breaker for AC input and (b) Unit output protection against overloads and short circuits.	
05	Instrument for PN junction diode characteristics	one
	Specifications – The unit to have forward voltage in the range 0 – 3 Volts and forward current in the range 0 - 10 mA. The reverse characteristic voltage in the range of 0 – 30 V with reverse current in the range 0 – 100 μ A.	
06	Instrument for N-P-N/P-N-P transistor characteristics	one
	Specifications – Input voltage in range 0 – 3 Volts, input current in the range 0 – 250 μ A. Output voltage in the range 0 – 10 Volts with output current in the range 0 – 50 mA	
07	Instrument for Zener diode characteristics	one
	Specifications – Should have a voltmeter with display range from 0 – 10 Volts and ammeter operating in the range of 0 – 200 mA.	
08	Instrument for Ohm's law Setup	one
	Specifications – The instrument should have a voltmeter in the range 0 – 3 volts and an ammeter in the range 0 - 3 Amps.	

- (a) Copy of the firm trade license certificate from the competent authorities, GST registration Copy, PAN Card copy, Authorization certificate from Manufacturer in case of dealer, last three years of IT return copy.
- (b) Specify Brand name and full model name for each item. Without technical specifications quotations could not be considered for technical evaluation.
- (c) Include the complete printed company catalogue is mandatory. Each item, Equipment should be complete in itself without needing any extra requirements.
- (d) Three years audited statement with quoted items purchase order copy as performance statement from any reputed Govt. institutes.
- (e) EPM rate contract / SSI Unit / MSME registration certificate with ISO certificate will be given preference. Documentary evidence should be enclosed.

Note – The selection for procurement of equipment' will be based on quality and past performance along with cost. In this context decision of technical committee based on specifications, documentary evidence or actual physical verification is final.

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Department of Physics

Govt. College (Auto), Angul

INFRASTRUCTURE		
Sl.	Details of the infrastructure	Units
01	For demonstration table – Godrej table (Model – enzo – 5026)	04
02	For demonstration chair – Godrej Chair (Model – Ventilo – mid back)	08
03	For equipment storage – (a) Godrej Glass door storwel (b) Godrej Slotted angle rack – 6' X 36 " x 15"	02 02

Certified that the equipments etc
to be procured out of the Lab. equipment
fund is essential for the students use in the lab. to
perform their practical.

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GOVT. COLLEGE, ANGULDEPARTMENT OF CHEMISTRYCHEMICALS

1. Ethyl Acetate
2. M. Phenylene diamine
3. Absolute Alcohol
4. Dehydrate Alcohol
5. Tertiary Butanol
6. Isopropyle alcohol
7. Activated animal charchol
8. Oxalic Acid dehydrated
9. Citric Acid Monohydrated
10. Phenoxy acetic Acid
11. Malic Acid
12. Acetic anhydride
13. Phenol
14. O-nitro Phenol
15. P - nitro Phenol
16. M-phenylenediamine
17. Alizarin
18. Rectified spirit
19. Ethanol
20. Methanol
21. Iron Sulphide stick
22. Ferric Chloride
23. Ferric sulphate
24. Aluminium chloride
25. Dithioamide
26. Dimethyl Glxoxime
27. Triphenyl amine
28. Acetyl chloride
29. Methyl Amine
30. Ethyl Amine
31. Triphenyl Amine
32. Trimethyl Amine
33. Triethyl Amine
34. Litmus Solution –Red
35. Litmus Solution –Blue
36. Acetanilide
37. P- Amino N, N-dimethylamine
38. Acetic Acid
39. Acetone

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40. Sodium hydroxide
41. Nickel ethylenediamine nitrate
42. Fuchsin Reagent
43. Nickel Nitrate
44. Ethylene diamine
45. Urea
46. Thiourea
47. Diphenylamine
48. Alizarin -s
49. Zirconyl Solution
50. Phenolphthalein Powder
51. Lead dioxide
52. Barium Nitrate
53. Lanthanum Nitrate
54. Diphenyl Carbazide
55. Benzidine Acetate
56. Ammonium Silicate
57. Sodium Silicate
58. Phenyl hydrazine
59. Chloroform
60. Salicylic Acid
61. Ferric Ammonium Sulphate
62. Magnesium Hydroxide
63. Dimethicone
64. Ethyl Iodide
65. Sodium tetraborate decahydrate
66. Boric Acid
67. Borax
68. Allyl thiourea
69. Potassium dehydrogen phosphate
70. Magnesium Sulphate
71. Phthalic anhydride
72. Thymolphthalein

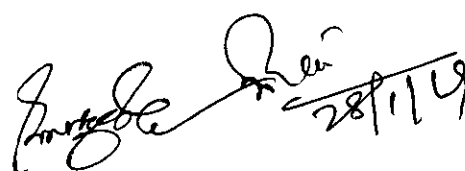
Certified that the equipment etc. to be procured out of the laboratory equipment fund are essential for the students use in the laboratory to perform their practical.

Emmanuel R. R. R.
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GOVT. COLLEGE, ANGULDEPARTMENT OF CHEMISTRYEQUIPMENTS

1. Spectrophotometer Visible range
2. Spectrophotometer U-V-range
3. Digital Balance
4. P^H meter
5. Stopwatch
6. Colorimeter with stirrer – 250 ML
7. Colorimeter with stirrer – 500 ML
8. Conductivity meter
9. Polari meter
10. Potentio meter
11. Melting point equipment
12. Boiling Point equipment
13. Equipment for Gas Generator 500ml
14. Equipment for Gas Generator 1000ml
15. Stalago meter
16. Oswald Viscometer
17. Thermo meter - 360⁰ c
18. Pykno meter
19. Conductivity Bridge
20. Conductivity Cell
21. Resistance Box
22. Earphone
23. Thermo Meter to fit in calorimeter stand
24. Thermostat
25. Head Phone
26. Heating Mantle – 250 ml
27. Heating Mantle –500 ml
28. 2 – Volt Battery
29. Induction coil
30. Platinum Wire
31. Water Bath copper - 6"
32. Water Bath copper - 8"
33. Water Bath copper - 10"
34. Water Bath copper - 12"
35. BOD Incubator

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INFRASTRUCTURE

1. Multipurpose Table Size – 900 mm × 900 mm × 740 mm
1800 mm × 900 mm × 740 mm
1665 mm × 900 mm × 740 mm
2. Slotted angle rack – size - 6'×3'×2'
3. Stool with Height Adjustment + Back high base.

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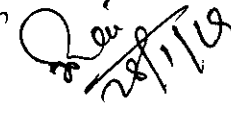
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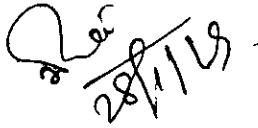
SL.NO.	APPARATUS/EQUIPMENTS FOR CHEMISTRY LAB GACA	SPECIFICATION
1	AIR BLOWER	
2	ACTIVATED CHARCOAL	
3	Beaker	100 ml BOROSIL
4	Beaker	150 ml BOROSIL
5	Beaker	250 ml BOROSIL
6	Beaker	400 ml BOROSIL
7	Beaker	500 ml BOROSIL
8	Beaker	1000 ml BOROSIL
9	Beaker	2000 ml BOROSIL
10	BLUE GLASS	
11	BOD BOTTLE	
12	BOD INCUBATOR	
13	BUCHNER FUNNEL	
14	Burette straight Bore	PTFE key Borosil class b – 50ml
15	Capillary tube	1 mm diameter
16	Capillary tube	2 mm diameter
17	Capillary tube	3 mm diameter
18	COLOUR BOTTLE AMBAR	
19	Conical flask	100 ml BOROSIL
20	Conical flask	150 ml BOROSIL
21	Conical flask	250 ml BOROSIL
22	Conical flask	500 ml BOROSIL
23	CHINA TROUGH	1500ML
24	CHINA TROUGH	3000ML
25	CRUCIBLE WITH LID FITTED TO DESCICATOR	
26	CRYSTALLISING DISC	GLASS



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27	Distillation flask WITH GLASS JOINT 24/29	50ml Borosil
28	Distillation flask WITH GLASS JOINT 24/29	100ml Borosil
29	Distillation flask WITH GLASS JOINT 24/29	2500ml Borosil
30	Distillation flask WITH GLASS JOINT 24/29	500ml Borosil
31	Distillation flask WITH GLASS JOINT 24/29	1000ml Borosil
32	FILTER STAND	
33	FILTER PAPER	
34	FILTER PAPER	WHATMAN NO.1
35	FILTER PAPER	WHATMAN NO.2
36	FILTER PAPER	WHATMAN NO.41 SHEET
37	FILTER PAPER	WHATMAN NO.41 CIRCULAR
38	FILTER PAPER	WHATMAN NO.42 SHEET
39	FILTER PAPER	WHATMAN NO.42 CIRCULAR
40	funnel	borosil 50mm DIAMETER
41	funnel	borosil 75mm DIAMETER
42	FUSION TUBE	
43	GLASS JAR	30CM HEIGHT 8CM DIA
44	GRADUATED FLASK	100ml Borosil
45	GRADUATED FLASK	250ml Borosil
46	GRADUATED FLASK	500ml Borosil
47	GRADUATED FLASK	1000ml Borosil
48	GRAVIMETRIC FUNNEL	LONG STEM
49	MEASURING CYLINDER	5ML BOROSIL
50	MEASURING CYLINDER	10ML BOROSIL
51	MEASURING CYLINDER	20ML BOROSIL
52	MEASURING CYLINDER	25ML BOROSIL
53	MEASURING CYLINDER	50ML BOROSIL

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54	MEASURING CYLINDER	100ML BOROSIL
55	MEASURING CYLINDER	250ML BOROSIL
56	MEASURING CYLINDER	500ML BOROSIL
57	MEASURING CYLINDER	1000ML BOROSIL
58	MEASURING FLASK	100ML BOROSIL
59	MEASURING FLASK	250ML BOROSIL
60	MEASURING FLASK	500ML BOROSIL
61	MEASURING FLASK	1000ML BOROSIL
62	MORTAR AND PASTLE	
63	pipette	2ml BOROSIL
64	pipette	5ml BOROSIL
65	pipette	10ml BOROSIL
66	pipette	20ml BOROSIL
67	pipette	25ml BOROSIL
68	pipette micro	BOROSIL
69	PORCELAIN DISC	
70	REAGENT BOTTLE	125ML BOROSIL
71	REAGENT BOTTLE	250ML BOROSIL
72	REAGENT BOTTLE	500ML BOROSIL
73	REAGENT BOTTLE	3L BOROSIL
74	REAGENT BOTTLE	5L BOROSIL
75	REAGENT BOTTLE	10L BOROSIL
76	REAGENT BOTTLE	20L BOROSIL
77	REAGENT BOTTLE	30L BOROSIL
78	REFLUX CONDENSOR LEIBIG JOINT 24/29	100ML BOROSIL
79	REFLUX CONDENSOR LEIBIG JOINT 24/29	250ML BOROSIL
80	REFLUX CONDENSOR LEIBIG JOINT 24/29	500ML BOROSIL



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81	REFLUX CONDENSOR LEIBIG JOINT 24/29	1000ML BOROSIL
82	RUBBER TUBING FOR CONDENSER	
83	SEMIMICRO TUBE	
84	SEPARATING FUNNEL	BOROSIL
85	spatula	
86	test tube	borosil
87	test tube	
88	test tube stand	Aluminium
89	test tube stand	24X24 LEG
90	WATCH GLASS	75MM/3" DIA
91	water bath	Copper 6"
92	water bath	Copper 8"
93	water bath	Copper 10"
94	water bath	Copper 12"
95	WEIGHING BOTTLE	10ML BOROSIL
96	WEIGHING BOTTLE	20ML BOROSIL
97	WEIGHING BOTTLE	25ML BOROSIL
98	WEIGHING BOTTLE	50ML BOROSIL
99	WEIGHING BOTTLE	100ML BOROSIL
<p>Certified that the equipment etc. to be procured out of the laboratory equipment fund are essential for the students use in the laboratory to perform their practical.</p>		

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GOVT. COLLEGE (AUTO), ANGUL**DEPARTMENT OF BOTANY****(A)EQUIPMENTS/INSTRUMENTS****TARSON/GENAXY/SYSTRONIX**

1. Mini Gel Apparatus
With power supply-Tarson/Genaxy
(Gel electrophoresis horizontal)
2. Centrifuge
Atleast with 3 different routters
(Size-8x15ml) -REMI
3. P^H meter (Digital) -Labman/SYSTRONIX
4. Balance (600gm) (Digital)-Reputed brand
5. Anemometer(Digital) - Reputed brand
6. Lux meter(Digital) Reputed brand
7. Raingouge(Digital) - Reputed brand
8. Soxglet(with heating metal)-500ml- Reputed brand
9. Haemocytometer- Reputed brand
10. Soil thermometer- Reputed brand
11. Hygrometer(Digital)- Reputed brand
12. Maximum minimum Thermometer(Digital)- Reputed brand
13. Micrometer(Stage & Ocular)- Reputed brand
14. Magnoscope (Digital) - Reputed brand
15. Microscope -Olympus CX21i

(B)CHEMICALS AND GLASSWARES

(Preferably Hi Media, MERCK Company for chemicals)

- | | | | | |
|----------|-------------------------------|------------------------------|------------------------|--------------------|
| <u>A</u> | 1. Agar – agar | 2. Alcohol | 3. Alum ammonia | 4. Anyl acetate |
| | 5. Ammonium carbonate | 6. Aluminium anon – sulphate | 7. Acetone | |
| | 8. Ammonium dichromate | 9. Ammonium chloride | 10. Ammonium hydroxide | |
| | 11. Ammonium ferrous sulphate | | | |
| <u>B</u> | 1. Benedict's reagent | 2. Borax | 3. Boric Acid | 4. Benzene |
| | 5. Barium Carbonate | 6. Borax caramine | | |
| <u>C</u> | 1. Canada balsam | 2. Calcium Carbonate | 3. Citric acid | 4. Cobalt chloride |

- 5. Cedar –wood oil tetrachloride
- 6. Chrome alum
- 7. Colchicines
- 8. Carbon
- 9. Chloroform
- 10. Cotton Blue
- 11. Carmine powder
- 12. Crystal violet
- 13. Cellulose powder

D

- 1. Diphenyl AMINE
- 2. Dextrose

E

- 1. Ether solvent
- 2. Euricrome black –T
- 3. Egg albumins

F

- 1. Hydrochloric acid
- 2. Hydrogen peroxide

G

- 1. In dole – 3 acetic acid
- 2. In dole butyric acid

H

- 1. Lactose
- 2. Litmus paper
- 3. Lysol
- 4. Light green
- 5. Liquid paraffin
- 6. Lacto phenol cotton blue

I

- 1. Maltose
- 2. Malachite green
- 3. Mannitol
- 4. Methyl salicylate
- 5. Mercuric Chloride
- 6. Methyl ate spirit
- 7. Mercuric Oxide
- 8. Methyl red
- 9. Magnesium sulphate
- 10. Microscopic cleaning oil
- 12. Ms Medium (Readymade)
- 13. Methyl green

J

- 1. Ninhydrine reagent
- 2. Nitrate reductase

K

- 1. Olive oil
- 2. Oxalic acid
- 3. Orthophosphoric Acid

L

- 1. Picric acid
- 2. Petroleum ether
- 3. Potassium iodide

4. Potassium dichromate 5. Pectin 6. Potassium Permanganate
 7. Potassium sodium tartarate 8. Peroxidase 9. Paraffin wax

M

1. Rectified spirit 2. Silica gel 3. Sodium thio – sulphate
 4. Selenium Powder 5. Sodium sulphate (Anhydrous) 6. Sodium bi-sulphate
 7. Sodium hydroxide 8. Saffranine

N

1. Tartaric acid 2. Tertiary butyl – alcohol

O

1. Vaseline

- P. 1. Whattman filter paper

- q 1. Yeast extract powder

- r. 1. Zine chloride 2. Ace to orcine 3. Amylase 4. Ascorbate
 5. Acetic – analydride 6. Lipase 7. Peroxidase 8. Catalasate
 9. Ethanol 10. Beef – extract 11. Boron 12. Barium chloride
 13. Ferric chloride 14. Gelatine 15. Calcium Carbonate 16. Glycerol
 17. Hemaloxylene 18. B-mercuplo-ethnol 19. Agarose 20. Propanol
 21. Bromophenol Blue 22. Formaldehyde(Formalin)

GLASSWARES & TOOLS

(Preferably Borosil or Tason for glasswares)

1. Beaker
 50ml
 100ml
 2. Burette
 10ml
 25ml
 3. Conical flask
 50ml
 100ml

4. Funnel
5. Measuring Cylinder
 - 10ml
 - 100ml
6. Petridishes
 - 50ml
 - 75ml
7. Micro Pipettes
 - 2ml
 - 5ml
 - 100ml
8. Culture Tube
 - 15ml
9. Centrifuge Tubes
 - 10ml
 - 15ml
10. Glass Pestles
 - Mortal E Pestle
11. Glass Spreader
12. Reagent Bottles
13. Stock Barrel (20litre)-1958(Tarson)
14. Wash Bottles
15. Testtube basket
16. Microtips
 - 0.2 to 10ml
 - 2 to 200ml
 - 200 to 1000 ml
17. Microtip box
 - 96x10ml
 - 96x200ml
 - 100x1000ml
18. Micro centrifuge tubes
 - 0.5ml
 - 1.5ml
 - 2ml
 - 5ml
19. Rack for centrifuge tube
20. Test tube stand
21. Pipette stand
22. Culture tube stand
23. Slides & Cover slips

24. Hand gloves (Latex Examination gloves)
25. Cork borer(set)
26. Brush
27. Test tube holder
28. Inoculation loop
29. Spatula
30. Beaker tongues
31. Forcep (big and small size)
32. Scalpel
33. Scissor
34. Copler jar
35. Cotton swabs wooden stick

(C) LABOROTARY INFRASTRUCTURE

Godrej/Any other reputed brand

1. Tissue culture rack
2. a).Laboratory chairs-13 nos
b).Bravo mid Back-01no
c).Bravo visitors-04nos
d).Premier visitor with arm-04nos
e).Multipurpose chairs 1007-04nos

Certified that the equipments etc to be procured out of the lab. Equipment fund are essential for students use in the lab to perform their practical.

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Govt. College (Auto) Angul
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DEPARTMENT OF ZOOLOGY

LABORATORY EQUIPMENTS

SL NO.	NAME OF THE EQUIPMENTS	NAME OF THE BRAND	QUANTITY
01	A CRAFTS DARK FIELD CUM BRIGHT FIELD BINOCULAR MICROSCOPE	OLYMPUS	01
02	CRAFT'S MICRO IMAGING SYSTEM (I) CCD OR DIGITAL CAMERA WITH IMAGE CAPTURE CARD, (II) LAPTOP COMPUTER, (III) HIGH RESOLUTION COLOUED INKJET PRINTER (IV) CRAFT TRINOCULAR MICROSCOPE (V) OBJECTIVE (VI) EYE PIECES	OLYMPUS	01
03	SUBMARINE (AGAROSE) GEL SYSTEM (PLATINUM ELECTRODE ASSEMBLY)	OLYMPUS	01
04	MICROLIT ELECTRONIC MICROPIPETTE (VOLUME RANGE 0.2 TO 10 AND 5-120 MICOLITER) BMPP-8	OLYMPUS	02

Zoology - P-2

SL NO.	NAME OF THE GLASSWARE	NAME OF THE BRAND	QUANTITY
01	BEAKER(250 CC)	BOROSIL	10
02	BAKER (500 CC)	BOROSIL	10
03	BAKER(1000 CC)	BOROSIL	10
04	PIPETTES (25 CC)	BOROSIL	10
05	PIPETTES (10 CC)	BOROSIL	10

SL NO.	NAME OF THE MODELS	NAME OF THE BRAND	QUANTITY
01	NURSE TRAININGS MULTIFUNCTIONAL PATIENT CARE MANIKIN (HM-43)	BIOCRAFTS/ BIOVISUALS	01
02	IMPORTED CRAFT 111 LIFE SIZE KNEE JOINT WITH LIGAMENTS ON STAND (HM-6)	BIOCRAFTS/ BIOVISUALS	01
03	IMPORTED CRAFT 112 LIFE SIZE ELBOW JOINT ON STAND WITH LIGAMENTS (HM -7)	BIOCRAFTS/ BIOVISUALS	01
04	IMPORTED CRAFT 109 LIFE SIZE SOLDIER JOINT WITH LIGAMENTS ON STAND (HM-4)	BIOCRAFTS/ BIOVISUALS	01
05	IMPORTED CRAFT 110 LIFE SIZE HIP JOINT WITH LIGAMENT ON STAND (HM-5)	BIOCRAFTS/ BIOVISUALS	01
SL NO.	NAME OF THE CHARTS	NAME OF THE BRAND	QUANTITY
01	EVOLUTION OF HORSE (Z-10) CRAFTS CC	BIOCRAFTS/ BIO-VISUAL	01

02	EVOLUTION OF MAN (Z 169) CRAFTS CC	BIOCRAFTS/ BIO-VISUAL	01
03	HUMAN LYMPHATIC SYSTEM (HA -26) AA	BIOCRAFTS/ BIO-VISUAL	01
04	EVOLUTION OF TREE (PHYLOGENETIC TREE) (Z-172)	BIOCRAFTS/ BIO-VISUAL	01
05	SKELETON 01 (ENTIRE SKELETON, VERTEBRA COLOUMN AND SKULL) (Z-176)	BIOCRAFTS/ BIO-VISUAL	01
06	AUTONOMIC NERVOUS SYSTEM (Z-178)	BIOCRAFTS/ BIO-VISUAL	01
07	HUMAN IMMUNE SYSTEM (Z-188)	BIOCRAFTS/ BIO-VISUAL	01
08	SKELETON II VERTEBRAE, SACRUM, THORACIC CAGE (HUMAN) (Z-192)	BIOCRAFTS/ BIO-VISUAL	01
09	MENSTRUAL CYCLE (Z-217) (FEMALE HUMAN)	BIOCRAFTS/ BIO-VISUAL	01
10	OOGENSIS (Z222)	BIOCRAFTS/ BIO-VISUAL	01
11	SPERMATOGENESIS (Z-223)	BIOCRAFTS/ BIO-VISUAL	01
12	ANALOGOUS ORGANS (ANIMALS) (Z-272)	BIOCRAFTS/ BIO-VISUAL	01
13	HOMOLOGOUS ORGAN (ANIMALS) (Z-273)	BIOCRAFTS/ BIO-VISUAL	01
14	PEDIGREE ANALYSIS (ROLLING TONGUE)	BIOCRAFTS/ BIO-VISUAL	01
15	PEDIGREE ANALYSIS (BLOOD GROUP) (Z-274)	BIOCRAFTS/ BIO-VISUAL	01
16	PEDIGREE ANALYSIS (COLOUR BLINDNESS) (Z-275)	BIOCRAFTS/ BIO-VISUAL	01
17	PEDIGREE ANALYSIS (WIDOW'S PEAK) (Z-276)	BIOCRAFTS/ BIO-VISUAL	01
18	LIFE HISTORY OF HONEE BEE (CMM-71)	BIOCRAFTS/ BIO-VISUAL	01

19	LIFE HISTORY OF SILKWORM (CMM-72)	BIOCRAFTS/ BIO-VISUAL	01
20	LIFE HISTORY OF LAC INSECT (CMM-80)	BIOCRAFTS/ BIO-VISUAL	01

SL NO.	NAME OF THE CHEMICALS	NAME OF THE BRAND	QUANTITY
01	IODINE	HIMEDIA	01
02	MOLLISCS REGENT	HIMEDIA	01
03	AMMONIUM HYDROXIDE	HIMEDIA	01

SL NO.	NAME OF THE PERMANENT SLIDES	NAME OF THE BRAND	QUANTITY
01	T.S OF THYMUS OF THE MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
02	T.S OF SPLEEN OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
03	T.S OF PANCREAS OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
04	T.S OF PAROTID GLAND OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
05	T.S OF THYROID GLAND OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
06	T.S OF LIVER OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01
07	T.S OF BONEMARROW OF BONE OF MAMMAL	BIOCRAFTS/ BIO-VISUAL	01

LABORATORY INFRASTRUCTURE

SL NO.	NAME OF THE MATERIALS	NAME OF THE BRAND	QUANTITY
01	RACKS	GODREJ	04
02	CUPBOARDS SLIMLINE MINOR 25 (PLANE)	GODREJ	04
03	TABLES	GODREJ	02
04	BRAVO MIDBACK	GODREJ	01

These are essential for the students use in the laboratory to perform their practical.

H.O.D. ZOOLOGY, GOVT. COLLEGE(AUTO), ANGUL

Santosh Kumar Mohanty
29.01.19

Prasanna Kumar Dehury, Lab. Att.

WBSWWS
29.1.19

aeB
29.01.19

Nareshingha Behera
Department of Zoology
HOD

Somalis Dehury.
29.01.19

to
28.11.19
As Professor
Dehury's Bureau
for
23/1/19

Rukmaparna Panda
29.01.19

Government College (Autonomous), Angul
Department of Mathematics

Total amount sanctioned under Equipment is Rs 36,000/-

S.No	Equipment	Brand	Quantity
1	Laser Jet Pro M126nw multi-Function Monochrome Laser Printer	HP	01
2	Laptop (Dell Inspiron 14 3000 Core i3 7th Gen - (4 GB/1 TB HDD/Linux) 3467 Laptop (14 inch, Black, 1.956 kg)	Dell	01

Total amount sanctioned under infrastructure is Rs 70,000/-

S.No	Infrastructure	Brand	Quantity
1	Magnetic White board (6*4 feet)	Xboard	01
2	Magnetic White board with stand (4*3 feet)	Xboard	01
3	Book Almirah (Glassdoor storvel and Axiom storage Unit)	Godrej	01+01
4	Computer lab. Table (Stylo), Chair (PCH7003D)	Godrej	02

Certified that the equipments etc to be procured out of the Laboratory equipment fund are essential for the students use in the laboratory for perform their Practical.

Smita Tapaswini ²⁹⁻⁰¹⁻²⁰¹⁹
Dr. Smita Tapaswini
Department of Mathematics
(HOD).

As proposed
Accounts Bureau for N/A.
K M
21/1/19

TENDER FOR SUPPLY AND INSTALLATION OF CCTV

ANNEXURE-II

Requirement for CC TV Supply & Installation

1. Vandal proof CCTV camera in Examination Halls and Gate.
2. Reputed brands of CCTV.
3. Storage capacity of Hard Disk for at least 30 days.
4. Remote connectivity facility with CHSE.
5. At least 2 mega pixel cameras with original software.
6. Metal netting of cameras.
7. LED monitor of 40" (Inches or more).
8. Concealed wiring / Wiring at high altitude.
9. Installation and handing over after commissioning within 7 days after getting order.
10. Maintenance and after sale service free of cost for a period of 2 years.
11. Refundable EMD of Rs. 4000/- in the form of Demand Draft in favour of Principal, Govt. College(Auto.),Angul payable at Angul.
12. Power Back-up for 24 hours.
13. Quotationers may visit the college at their own cost to assess the cost to be involved before submitting the quotation(optional).

No of CCTV to be installed	4	2	2	2	4	2	2	2	1	1	1	1	2	2	2	2	5
Room No.	AG	AP	R1	R2	GCR	01	02	03	101	102	103	104	13	21	106	108	Corridor

No of CCTV to be installed	1	2	2	2	2	2	2	2	1	1	1	1	2	1
Room No.	203A	Chem Lab	Phy Lab	Bot Lab	Zoo Lab	Gate No-1	Gate No-2	Gate No-3	127	128	203B	Geo. Lab.	IT Lab.	Edn. Lab.

Control Room will be at Principal's Chamber.

CP/ks
30-1-19
[Signature]
Principal
Govt. College (Auto) Angul
30-1-19

TENDER FOR SUPPLY OF ITEMS FOR CAREER COUNSELLING CELL

Sealed tenders are hereby invited by Govt.College (Auto.), Angul from reputed manufacturers/Dealers (preferably ISO certified) for supply of the following articles for the Career Counselling Cell.

01. Projector-01 –Sony

Specifications:

Resolution-WXGA(1280 X 800),

Brightness-4000 AL,

Throw Ratio-1.55-1.7

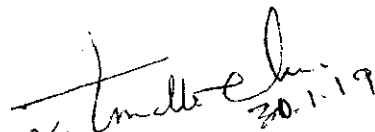
Lamp Life- normal 5000 hrs/eco ,smart eco 10000 hrs/ lamp save mode 15000 hrs

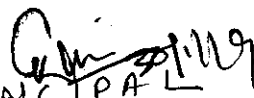
Interfaces-HDMI X 2

02. Almirah (Godrej)- 01

03. Computer Table (Godrej) - 01

04. Chair-(Godrej) – 05



30-1-19
Coordinator, Career Counselling Cell


Principal
Govt. College (Auto) Angul
30-1-19

OFFICE OF THE PRINCIPAL: GOVT. COLLEGE (AUTO) ANGUL

Items required in the Examination Section with details specification.

SL NO	ITEMS WITH DESCRIPTIONS	QUANTITY
1	Desktop - Dell (Optiplex 3060 MT) <u>Configuration</u> 8 th Generation Window 10 Pro Core <i>i5</i> HDD - 1 TB RAM- 8 GB DVD-RW Monitor - 19.5 inch Optical mouse Keyboard	06
2	UPS - Zebronic- 600VA	06


Principal
Govt. College (Auto), Angul
21/11/19
100