

OFFICE OF THE DEAN AND PRINCIPAL, S.C.B MEDICAL COLLEGE, CUTTACK

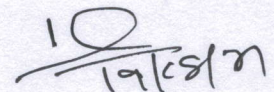
TENDER NOTICE

Short Tender No. 7758

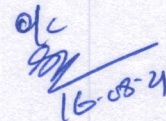
Dt. 21/08/2021

Sealed tenders in two bid system (Technical and Financial) are invited from the registered firms/ authorized dealers and manufactures /suppliers for supply of Instrument and equipments for the different departments of SCB Medical College, Cuttack in the financial year 2021-22 under Central Grant funds . The Tender will be opened on scheduled date and time in office of the undersigned in presence of the bidders or their authorized representatives. In the event of the date being declared as a holiday for Government of Odisha, the due date of submission of bids and opening of bids will be the next working day. The Bidders may download the Tender documents directly from this college's website available at <http://scbmch.in> and also can be obtained from the Budget Section of office of the Dean & Principal, S.C.B. Medical College, Cuttack. The cost of tender paper is Rs.1000/- (Non refundable) by a bank draft/demand draft in favour of "**Dean & Principal, S.C.B. Medical College, Cuttack**" payable at Cuttack from any Nationalized Bank. Any tender received after the due date & time will be rejected and returned to the sender un-opened. The Tender will be received through **Regd. Post/ Speed Post** only. The authority reserve the right to reject any/ all the Tenders without assigning any reasons thereof.

- 1 Cost of Tender Paper : 1000.00
- 2 Date of sale of tender Paper : 19.08.2021
- 3 Last date of receipt of Tender Paper : 31.08.2021
- 4 Detail of opening of the Technical Bid : 01.09.2021
- 5 Place of opening of Tender Paper : Dean & Principal's Office



Dean and Principal
SCB Medical College, Cuttack


16-08-21


OFFICE OF THE DEAN AND PRINCIPAL, S.C.B MEDICAL COLLEGE, CUTTACK

SHORT TENDER PAPER No.

1. Cost of Tender Paper : 1000.00
2. Date of sale of tender Paper : 19.08.2021
3. Last date of receipt of Tender Paper : 31.08.2021 (1.30PM)
4. Detail of opening of the Bid : 01.09.2021 (3.30 PM)
5. Place of opening of Tender Paper : Dean & Principal's Office

TERMS AND CONDITIONS:

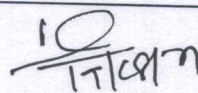
1. The bidders will deposit Rs.3000/- towards EMD.
2. Photo Copy of up-to-date GST certificate .
3. Photo Copy of PAN Number .
4. The rate should be quoted with discount on the printed price of manufacturer and valid for 1 year.
5. The bidders will submit the authorization Certificate of the concerned manufacturer.
6. The list of all documents enclosed duly signed by the bidder indicating the total numbers of pages submitted.
7. If any information and documents furnished by the bidder are found to be incorrect, misleading at any stage the quotation/Tender will be rejected.
8. Authority reserved right to cancel any or all items without assigning any reason thereof.
9. The Envelop should be super scribed as "TENDER FOR SUPPLY OF INSTRUMENT AND EQUIPMENT UNDER CENTRAL GRANT 21-22 " of the Dean and Principal, SCB Medical College, Cuttack .
10. The Tender should be submitted to the Dean and Principal, SCB Medical College, Cuttack through Registered /Speed Post only.
11. The items will deliver within 20 days of the receipt of the order.
12. No claims shall be made against the authority i.e Dean and Principal, SCB Medical College, Cuttack in respect of interest on EMD or any other security deposit or on delay payment.
14. The bidder will mentioned their Bank name, Bank Account, IFC code and Mobile No for reference.



Dean and Principal
SCB Medical College, Cuttack

Name of the Department	Name of the Instrument and Equipment	Sl-No
Pathology	Automated quatitative G6-PD enzyme Analyzer	1
	Automated Erythrocyte sedimentation rate analyzer	2
Anatomy	Drill Macine (Head operated)	3
	Hand saw	4
	Brain knief	5
	3D Model in systems & complete set of Embryology	6
	Prepared Histopathology slide	7
	Mobile or portable operating surgical light	8
	Semi automated rotary microtome	9
	Paraffin embedding bath	10
	Hot plate for flattening section	11
	Tissue flotation bath	12
	Original human skeleton (Articulate)	13
	Original human skeleton (disarticulated)	14
	Dissecting Microscope	15
Physiology	Physiograph-Four channel	16
	Computerised Tread mill	17
	Window based automatic function testing machine	18
	Edridge Green Lantren	19
	Digital Kymograph	20
	Student spirometer	21
	Dale's bath	22
	Bicycle Ergo graph	23
	Fat monitor	24
	Snellen's test types & jaager's chart	25
	Stadiometer (Height & weight measuring instrument)	26
	Student (Electronic) stimulator	27
	Skin fold calipers (Harpender Type)	28
	Haemoglobinometer sets (Sahil's)	29
	Haemocytometer sets	30
	Induction coil (Remond's) with interrupter	31
	Electronic Metronome	32
	Myograph board with writing for muscle/Heart (Frog) set	33
	Mini Writing peak flow meter	34
	B.P.Instrument (Mercury)	35
Comm. Med.	SPSS SOFTWARE	36
Transfusion Medicine	Semi automated Grouping & cross matching system	37
	Portable non contact vein illumination device	38
	Multi para monitor	39

N.B.-Detailed Specification is in separate sheet



Dean and Principal,
SCB Medical College, cuttack

**INSTRUMENT SPECIFICATIONS FOR THE DEPARTMENT OF PHYSIOLOGY:
S.C.B MEDICAL COLLEGE, CUTTACK**

Sl. No	Name of the Instrument	Specifications
1	Mono – Ocular Clinical Microscope	Monocular die-cast-body, inclinable and vertically adjustable, magnification 100X to 1000X, eye pieces 5X & 10X with pointer, objectives with 10X, 40X, 45X, 100X (oil immersion type objective) movable stage, graduated condenser movable reflecting mirror concave & plane optical self illuminating
2	Physiograph – Four Channel	Console with time event & speed adjustment for human & animal experiments, separate & adjustable transducers & coupler – strain gauge, isotonic, pulse respiration, ECG, EEG, bio potential with electrodes, junction box, Transducers for volume pressure/force temperature, respiration, ECG, EEG, isotonic, chart paper, Z folders, cabinet underneath for loading of papers ink wells with spare pens, product should be shock proof & standard (BIS) certified.
3	Computerized Tread mill	<ul style="list-style-type: none"> • The RMS VEGA 201TMT machine defines the accuracy for Stress Test Systems. • Using a superior bit ADC, the RMS VEGA gives true ECG complexes, wander free ECG wave forms and accurate measurements. • PC Based Cardiac workstation combines Resting and Exercise ECG. • Simultaneous acquisition and display of 12 lead raw ECG. • Standard and user programmable treadmill protocols.
4	Window based Autonomic Function Testing Machine	For testing of sympathetic and parasympathetic cardio vascular/respiratory parameters with cuffs electrodes, sensors, belts sensor for pulse, BP, Respiratory, ECG, HRV. Hardware & data acquisition system compatible with windows-7, to windows-10 software with laptop/computer and laser printer. India based manufacturer will be preferred
5	Edridge Green Lantern	Edridge- Green Lantern for testing color vision suitable color filters, intensity regulator, adjustable aperture.
6	Digital Kymograph	Digital Kymograph. Microprocessor Controlled. 10 speed variations. Speed range 0.12 to 640 mm. per sec. Soft touch controls Back lit LCD Display
7	Student Spirometer	Double walled metallic, cylindrical chamber with water draining provision, leveling screws, minimal weighing inverted bell, link chain, inner fixed disc with pointer and outer movable disc corrugated rubber tube with spare/disposable mouth and nose drips.
8	Dale's Bath	Dale's Mono Bath for internal organs thermostatic controlled with stirrer, glass inner vessel, oxygen tube & frontal lever from stainless steel capillary.

B. S. M. S.
15/7/24.

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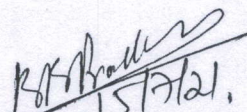
	Composition monitor	<ul style="list-style-type: none"> • Body Fat Percentage. • Visceral Fat Level. • Resting Metabolism Display. • Body Age & Weight Display. • Skeletal Muscle & Subcutaneous Fat Percentage. • BMI (Body Mass Index). • 4 sets Memory Data. • Past Result Display.
10	Bicycle Ergograph	Bicycle ergograph Digital time, speed, distance, calorie, hand pulse. Heart rate monitor. Magnetic resistance system, pedal with stirrups, comfortable cushion seat - seat position adjustable
11	B.P Instrument (Mercury)	1) The purity of mercury 99.99% due to assured triple distillation process. 2) 0 to 300 mm of Hg scale with an elegant finish, fine numbering, and durable 4) background contrast paint for clear visibility. Detachable Cuff.
12	Electronic / Automatic B.P Instrument	Hypertension Indicator, Intelli Sense Technology. Minimum Pressure Measurement Range 0 mmHg. Maximum Pressure Measurement Range 299 mmHg, Easy one touch Operations, Large Display screen, Memory for Last reading. 3 years brand warranty from date of purchase
13	Refrigerator (Frost Free) 308L	308 Litres Convertible+ Fridge with Smart Inverter Compressor , Door Cooling+™, Smart Diagnosis™, Auto Smart Connect™
14	Snellen's Test Types and Jaeger's Chart	Background illumination, ground/white plastic or glass background, distance in meters (D60 to D5). English, Hindi or Odia alphabets symbols for assessing visual assessing visual accuracy for distance vision. Jaeger's chart with N-16 to N 6 for assessing near vision
15	Stadiometer (Ht. And Wt. Measuring Instrument)	Type of Product : Height Measuring Scale Graduation : 1 mm Measuring Range : 20 - 205 cm Weight Capacity : 130 Kg x 0.5 Kg
16	Student (Electronic) Stimulator	Provides rectangular pulse of 0.1 - 100 V controlled amplitude Frequency 0.1 - 1000 PPS Width 0.01 to 100 mm
17	Skin Fold Calipers	Skin Fold Calliper (Harpender's type) calliper Range 0 - 60 mm. (0.2.5") curved scale having peak hold function.

[Signature]
15/7/21

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	Haemoglobinometer (Sahli's) Sets	Box containing pipette, prism, glass tube and stirrer
19	Haemocytometer Sets	Haemocytometer set in box containing: RBC Pipette, WBC Pipette, Improved Neubauer's counting chamber (Bright line) metal impregnated. Spare cover slip.
20	Induction Coil (Reymond's) with Interrupter	On a teak wood base with graduated scale. Primary coil with 300 turns and Secondary with 7500 turns with Helmholtz modification of neef's hammer and heavy duty platinum contacts. Student Induction Coil : On a teak wood base with graduated scale. Primary coil with 300 turns and secondary with 6500 turns. Interrupter working directly off the iron core. Complete with heavy duty contacts.
21	Electronic Metronome	Digital Electronic Metronome for generating different BPM beats for per minute variable sound frequency
22	Myograph board with writing lever for muscle/Heart (Frog) set	Myograph board with writing lever, Pre and after loading screw anaesthesia. Vertical stand for support with provision of adjustment, for Amphibian muscle experiments X block provision. Cork Board on wooden platform for pinning
23	Mini Wright Peak Flow Meter	Dial type, graduated up to 1000 lts. / min, firm handle with detachable mouth piece, spare mouth piece.

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 Signature of Prof & H O D .
 Department of Physiology,
 SCB Medical College, Cuttack.

		software, can run on windows OS 7
		*
7	Dissecting Microscope	<ul style="list-style-type: none"> • Wide glass stage having two stage clips & detachable hand rests on both sides • Eye pieces 10x & 20x • Magnification 10x and 20x. • Illumination by Plano-concave reflector
8	Drill Machine (hand operated)	The hand drill machines with premium grade cast iron frames with double gears or double bi-union to offer smooth operation also with three jaws for firm grip along with detachable wooden or plastic handle.; 10MM and or 03/08/08 Inches
9	Hand saw	<ul style="list-style-type: none"> • Antirust • Smooth resulting in less friction • Elegant handle • Versatile assortment
10	Brain knife	High quality stainless knife for brain cutting
11	3D Models in System & complete set of Embryology	<p>General Embryology & Developmental Anatomy</p> <p>Introduction to embryology and human development; Oogenesis; Ovarian cycle; Male reproductive system & Spermatogenesis; Fertilization and implantation; Bilaminar germ disc; Trilaminar germ disc; Intra-embryonic mesoderm; Folding of the embryo;</p> <p>Formation of placenta;</p> <p>Circulation of placenta;</p> <p>Fetal membrane; Twinning; Basic Teratology.; Details of blood vessels 4th and 6th aortic arches derivatives, musculo-skeletal system, integument system and nervous system. Review of Special Embryology :</p>

Gastrointestinal system, Urinary system; Genital system; Spleen; Diaphragm; Heart; 4th and 6th aortic arch derivatives; Respiratory system; Face; Palate; Tongue; Visual apparatus; Bronchial apparatus; Pharynx; Endocrine system; vertebral column; parts of neural tube and their derivatives.

Sl no.	item	Specifications
12.	Prepared histology slides	<p>Histology of the following : Epithelium : all types ; Connective tissue; Cartilage - Hyaline, elastic, fibro cartilage etc., Bone - C.S. , L.S.;</p> <p>Muscles - Skeletal, smooth, cardiac; Nervous tissue - neuron, nerve fiber, sciatic and optic nerves, sympathetic spinal ganglia;</p> <p>Blood vessel - large and medium sized artery, large and medium sized vein; Lymphoid tissue - lymph node, spleen, thymus, palatine tonsil; Skin - thin, thick ;</p> <p>Mammary gland - active, inactive Placenta, Umbilical Cord; Respiratory system - trachea, lung tissue;</p> <p>Nervous system - spinal cord, cerebrum, cerebellum, cornea, retina.</p> <p>Endocrine system - thyroid, parathyroid, suprarenal, pituitary;</p> <p>Excretory system - kidney, Ureter, urinary bladder;</p> <p>Reproductive system; Male : Testes, epididymis, vas deferens, prostate;</p> <p>Female : Ovary, uterus - proliferative and secretory, fallopian tube;</p> <p>Digestive system - Salivary glands - mucous, serous, mixed, pancreas, liver, gall bladder, tongue, esophagus, stomach - fundus, pylorus, duodenum, jejunum, ileum, large intestine, appendix,</p> <p>Chromosomes spread (Karyotype)</p>
*	*	*
*	*	*
13.	Viewing box	Dimension 49cmx40cmx6cm, power - 230volt/50hz, acrylic sheet, dimmer present to adjust light, plastic clip for holding x ray
14.	Mobile or	<ul style="list-style-type: none"> • Optimum illumination • Detachable handle

	portable operating surgical light	<ul style="list-style-type: none"> • Metallic reflectors available • Dome head – 515 mm dia. • Halogen bulbs -4nos. 12Vx 50wt • Height adjustment -600mm
15.	library book almirah	<ul style="list-style-type: none"> • 4 Compartment for storage options. Black Bookcase is sure to fit seamlessly into any office or room decor. Metal bookcases. • Size: 70X33X15(inch) • Bookcases ship assembled
*	*	*
*	*	*
16.	Table for library	<ul style="list-style-type: none"> • Shape: U-Type • Seating Capacity: 9 seat • Material: Wooden • Size: 3000X1800X750 mm • Height -2.5ft • Thickness of table top- 25mm
17.	Library chairs	<ul style="list-style-type: none"> • Material Fabric • Item Dimension s LxWxH 54.9 x 61 x 104.4 Centimeters • Furniture Finish Wood • Item Weight 5 Kilograms • Push back revolving chair/Height Adjustable/Nylon Wheel/Base metal
18.	Library stools	<ul style="list-style-type: none"> • Furniture Finish Chrome • Item Dimensions LxWxH 45.7 x 86.4 x 45.7 Centi • Height adjustable with 360° swivel mechanism, heavy-duty base for great stability and mobility., more reliable and sturdy, maximum capacity up to 90 Kgs
19.	Microscope almirah with adjustable rack	<ul style="list-style-type: none"> • 6 and half feet almirah with adjustable rack
20	Filing cabinet	<ul style="list-style-type: none"> • Having four iron drawers opening to the

Automated quantitative G6-PD enzyme Analyzer

Technical specification:

Method: Colorimetric

Measurement: G6PD enzyme activity (U/g Hb)

Sample: Capillary & venous whole blood

Sample volume: 10 μ l

Range: G6PD: 0 – 20 U/g Hb

T-Hb: 7 – 25 g/dl

Measuring time: 2 minutes

Measuring temperature: 15 – 30°C/59 – 86°F

CV: < 5 %

Size: Handheld (6.7 X 13 cm)

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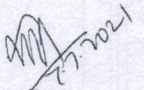
PROFESSOR & HEAD

DEPARTMENT OF MICROBIOLOGY

GOVT. MEDICAL COLLEGE, RAIPUR

Technical specification For ESR Analyzer

Instrument Type	ESR Analyzer
Sample Mode	Whole Blood
Operation Mode	Fully Automatic
Number of Channels	10
Method	Absorbance
Measuring Principle	Westergren Method
Measurement Range	Up to 140mm/H
Power Supply	220 V
Loading Pattern	Random
Number of Reading Channels	10
Is It Portable	Portable
Application	Clinical
Reading Chambers	IR Detectors
Minimum Order Quantity	1 Unit


PROFESSOR & HEAD
DEPARTMENT OF PHYSICS
GOVT. ENGINEERING COLLEGE, K. J. Somaiya

Annex-2

TECHNICAL SPECIFICATIONS OF SEMI AUTOMATED GROUPING MACHINE

Semi Automated, random access bench top analyzer capable of performing blood grouping, patient donor cross matching, antibody screening antibody identification, phenotyping, enzyme and special antigen testing based on Column Agglutination Technology (C.A.T).

1. Portable and table top model
2. Integrated unit of centrifuge & Incubator in one instrument
3. Provided with digitally controlled centrifuge and incubator for use of Column agglutination technology based cards
4. Has separate digital displays for Time and Temperature for Centrifuge & Incubator.
5. TAT - Tests like Blood Grouping and DAT require only a 5 minutes Centrifugation time
6. TAT - Indirect AHG test (IAT) like antibody screening, cross-matching, antibody identification etc. require a 10 minutes Incubation followed by a 5 minutes centrifugation cycle.
7. Should be CE approved

Centrifuge:

8. Specifically designed to centrifuge cassettes based on Column agglutination Technology
9. Monitored by microprocessor
10. Has digital display of rpm and time
11. Automated stop after required time
12. Prefixed centrifuge time: Centrifugation is biphasic with a preset total 5 minutes cycle of :
 - 2 mins at approx.. 800 rpm \pm 10 sec. (including ramp-up time)
 - 3 mins at approx.. 1500 rpm \pm 10 sec. (including ramp-up time)
13. Should have 10 slots to centrifuge any combination Cassettes

Incubator:

14. Specifically designed to incubate column agglutination technology based cards/cassettes
15. 37°C Incubation timer is adjustable 1-99 minutes
16. Incubation temperature at preset at 37°C
17. Capacity of 20 cassettes at one time
18. Has an audible alarm to notify end of incubation period.

Environmental Requirements

Temperature: 15 – 30°C

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Dr. P. K. Mohapatra
19/6/2021
Associate Professor
Dept. of Transfusion Medicine
C.B.M. Medical College, Cuttack

Annex-13

Technical Specification for Portable Non Contact Vein Illumination Device

1. Should be a hand- held/portable device.
2. The vein imaging device should have the ability to visualize vessels up to 10mm deep
3. Should not come in contact with the patient i.e. have non contact operation
4. Should not require any consumables for regular use
5. Hands free operation should be possible
6. Should work on rechargeable battery
7. Should work in lighted room and special mode for non standard lighting conditions
8. Should be globally approved
9. Should be able to function on battery power for minimum 2 hours
10. Should be able to perform 100-150 viewing procedures on fully charged battery
11. Should have the facility for holding the device for hands free operation
12. Should have suitable adaptor for charging in Indian sockets
13. Device should not emit harm full radiation
14. Device should be based on 'near infrared' rays
15. Ensure safety against electrical shock hazards, fire hazards, mechanical hazards, electromagnetic interference etc
16. Universal, fine detail mode, and resize mode
17. Vein imaging device should offer an image appropriate across all skin tones and a method of detecting when image is at the proper focal distance.
18. Firm will have to supply the compatible UPS/stabilizer if required along with the equipment free of cost.
19. Original literature of equipment should be submitted.
20. Firm should also provide the relevant calibration certificate for the equipment from NABL accredited Lab.
21. User's list should be attached with satisfactory report for the last three years from three users with contact details.
22. Demonstration of performance of equipment is compulsory in nearby area failing to which will be disqualification.
23. Up time & penalty for delays in repair & maintenance: the firm will ensure uptime of 345 days in a year during warranty period & CMC period of both equipment as well as UPS/ stabilizer(if supplied)
24. Whenever there is breakdown the firm will Carry out the repair within 48 hours of receipt of such information either by telephone or by any other means)

Shobkol
Professor
Department of Medicine
Critical Care Medicine

Prof. & HOD
Department of Medicine