

महाराष्ट्र शासन
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय,
सेंट्रल एव्हेन्यु रोड, नागपूर-१८.

Phone No. 0712-2725274, Fax No. 0712-2728028 (College) 0712-2774766(Hospital)
P.B.X. Nos. 0712-2728621 to 27, E-mail: igmcn@rediffmail.com

Online

No.IGGMCN/College Store/PG Upgradation state shair 25%ME Purchase/Quotation/ **13977** /18 Date: **18**-12-2018

To,
All Concerned Manufacturer/Company/Distributers

Subject:- Quotation for Supply of Machinery/Equipment to the Indira Gandhi Govt. Medical College, Nagpur.

The undersigned invited sealed Quotations in duplicate under two envelope system (Two Bid System). for the Machinery/Equipment as mentioned below/on reverse or as per enclosed statement for use of the Indira Gandhi Govt. Medical College, Nagpur. On the terms & Conditions. Given Below.

Sr. No.	Name of Machinery /Equipment/Instruments	Quantity Required	Name of User Department
1	Shortwave Diathermy	1	Orthopedic
2	Cervical and Lumber Traction Unit	2	Orthopedic
3	Ultrasound Therapy unit	1	Orthopedic
4	Interferential Therapy Unit	1	Orthopedic
5	Computerised Combo Therappy (IFT+EMS+TENS+Ultrarays)	1	Orthopedic
6	Shoulder CPM	1	Orthopedic
7	Elbow CPM	1	Orthopedic
8	Kneeflex CPM	1	Orthopedic
9	Multiexerciser	1	Orthopedic
10	Electrical Muscle Stimulator	1	Orthopedic
11	Infrared Lamp	4	Orthopedic
12	High-low tilt table	1	Orthopedic
13	Traction Table	2	Orthopedic
14	Infrared + Ultraviolet Lamp	2	Orthopedic
15	Supination Pronation Unit	2	Orthopedic
16	Sensory Integration Equipment	1	Orthopedic
17	Treatment Couch	4	Orthopedic
18	Foot Stool	4	Orthopedic
19	Equipment Trolley	3	Orthopedic
20	Rotary Microtome	1	Anatomy
21	Distillation Apparatus	2	Anatomy
22	Tissue Floation Water bath	1	Anatomy
23	Articulated human skeleton,adult size	7	Anatomy
24	Paraffin Embedding bath	1	Anatomy
25	Dissecting Microscope	5	Anatomy
26	Digital Weighing Balance,Capacity 6 kg	1	Anatomy
27	Digital Weighing Balance,Capacity 200 gm	1	Anatomy
28	Microplate ELISA reader	1	Biochemistry
29	Electrolyte analyser	1	Biochemistry

30	Semi Automated Biochemistry Analyser	1	Biochemistry
31	Microplate ELISA washer	1	Biochemistry
32	Herpenden skinfold calliper	4	P S M
33	Otoscope with 3 specule	1	P S M
34	Rabbit Holder	1	Pharmacology
35	Electronic Weighing Balance	2	Pharmacology

Specifications of above Machinery /Equipment/Instruments are as per leaflet attached with it

Terms & Conditions:-

- 1) The Prices quoted should be free delivery to college premises for local dealers and FOR. Nagpur.
- 2) The price quoted should be inclusive of all taxes, duties if payable like ever, excise, CST,ST and GT The break-up of the taxes should also be shown separately where necessary. The sales tax & Registration number should be quoted in your letter Exemption of taxes, if on A.F. Forms etc. be separately stated.
- 3) The serial number of items should not be changed while quoting rates. You may drop the item if not Interested.
- 4) Rates should be quoted strictly for the item specified in the list and for standard quality of goods. In case of alternate offer, the detailed specification, name of manufacturer of make etc any certification if required must invariably be stated. Specification other than specified in the schedule may be liable for rejection on even though lowest.
- 5) The Quotation submitted will be valid for a period of six (6) months only from the date of acceptance
- 6) Delivery period should be stated specifically the like ready stock or (4-6 weeks Indian Products) & (6-12 Weeks imported products) or Four weeks etc. and should be firm and supply of stores if ordered should be made available within the stipulated period. Failures are liable for delist from further enquiries.
- 7) The Quotation received after due date will not be accepted. The quotation should be submitted in sealed cover. **The last date of receiving quotation is ...28-12-2018..up to 5.00 pm.**
- 8) Supply of stores should be made in one installment unless otherwise ordered piece meal supply will not be accepted. Condition of advance payment through Bank or Part payment etc. will not be accepted.
- 9) Quotations if asked with samples if not accompanies with sample will be liable for rejection even they are be lowest. Samples should be sent with a labels attached quoting our ref. No. of enquiry and item no etc.

10) The Dean, Indira Gandhi Govt. Medical college, Nagpur does not pledge himself to accept the lowest or any quotations and reserve to himself right of acceptance or rejection any of quotations which does not suit to his requirements. Any conditional offer of the Bidder will be rejected.

11) Very Important:- In case you are not interested in quoting your rates in reply to this enquiry a line in reply is must, failing are liable for desisting their names for further esquires from our margin list and no further request in this matter will be entertained.

12) Literature, Instructions Manuals showing specifications, working leaflet etc. may also be sent with quotation.

13) Copy of Firm Registration Certificate/ST/CST/Registration No. etc. should be mentioned in the quotation while submitting the same otherwise it will treat as invalid.

14) Bidder should include Technical Bid (Registration Certificate, Sale Tax IT Return Certificate, GST Certificate, PAN card) & Commercial bid. Bidder should be mentioned company name for items being supply by them in Technical Bid and shown quoted items to concerned HOD of the Department for technical approval from Technical Committee their names not to be included in commercial bid.

15) Authorization certificate, brochure Catalogue, User list may also submit along with quotation.

16) The successful Bidder will have to pay a security deposit of an amount equivalent to 3% of the cost of the equipments offered in one of the following form. Bank guarantee valid for Three years issued by any Nationalized Scheduled Bank in concurrence with the Reserve Bank of India, Mumbai, in the name of the Dean, Indira Gandhi Government Medical College, Nagpur **(This is applicable only for Items or Machine Who's total cost is above Rs.50,000/-)**

17) The successful Bidder must ensure 100% uptime during warranty period. In case of down time, warranty period will be extended for period of down time. The Bidder will have to give bank guarantee (of Nationalized scheduled bank) of 5% of ordered value valid for 10 years towards performance guarantee for warranty. **(This is applicable only for Item or Machine Who's total cost is above Rs.50,000/-)**

If the equipment is not attended within 24 hours the supplier will be liable to pay a penalty of 0.05% of purchase cost for every day delay. Such penalty shall be recovered from the amount of bank guarantee. Certificate of such uptime/downtime shall be issued by the endures, which shall be binding for the supplier.

18) The Bidder will have to agree to enter in to a annual maintenance contract (AMC) @ 1% of the ordered value of the equipment. Where required Bidder will have to agree for comprehensive maintenance contract (CMC) inclusive of all spares @ 5% of the ordered value of the equipment. The period of such AMC/CMC will be of 8 years after completion of 2 years warranty period. In case of non-compliance of AMC/CMC the supplier will be liable to pay a penalty as per Govt. rules. Payment for AMC/CMC on yearly basis will be made by the user institution, at the end of year after satisfactory performance report from the user department.

19) The successful Bidder will have to required to enter into agreement for the due performance of the contract on 100/- Rs. Govt. Stamp Paper. This office will give An agreement form. You are requested to return the agreement bond, which is typed on appropriate bond paper duly signed by you within a week from the receipt of the order. No payment will be made until this office receives the agreement bond.

- 20) Initial payment of 90% of the rate contract value will be made on delivery and installation. And 10% of the contract value will be paid only on satisfactory commissioning of the machinery within 30 days.
- 21). The Bidder should install the equipment in the concerned department of the Institution, give demonstration free of cost and train the staff of the department (no. as specified by the user).
- 22) Warranty of Machinery /Equipment should be of 2 (two) years from of The date of installation

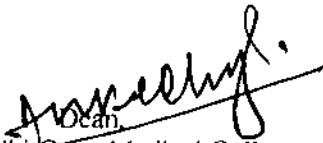
23) ENVELOPE No. I (TECHNICAL BID)

This envelope should be clearly marked as Envelope No.1 and should contain the following documents.

1) Firm Registration Certificate 2) GST Registration Certificate 3) Authorization letter 4) After sales services 5) Product catalogue 6) I.S.O. or I.S.I. Certificates 7) Compliance Chart 8) Users list with full address and telephone No. All the copies of certificates attached with the Quotation should be duly attested by Gazetted Officer/Public Notary.

24) ENVELOPE II (COMMERCIAL BID)

The second envelope should be clearly marked as ENVELOPE NO.2 (Commercial bid). It should contain the price. It should be sealed & marked as envelope No.2. THE COST SHOULD BE QUOTED IN INDIAN CURRENCY ONLY. The Bidder should quote the F.O.R. Price, inclusive of insurance & freight, C.S.T., Sales Tax, GST Octroi, basic custom duty, Custom duty, custom clearance charges, C.V.D., S.A.D., surcharge or any other charges (existing or imposed before delivery of goods) transportation, installation, commissioning and inclusive of any civil electrical work, fitting/fixture required for its installation and commissioning.


Dean
Indira Gandhi Govt. Medical College,
Nagpur

①

Shortwave Diathermy

Specifications :-

- Output power – 500 Watts
- Timer

P. Kulkarni

Dr. M. R. Kulkarni
Reg. No. 56188
Professor and H. O. D. of Orthopaedics
Indira Gandhi Gov. Medical College
Nagpur

Anurag

अभिषेक
इंदिरा गांधी अंतर्राष्ट्रीय वैद्यकीय महाविद्यालय,
नागपुर

2

Cervical and Lumber Traction Unit

Specifications :-

- Continuous and Intermittent mode of treatment
- Should have timer, hold time and rest time

Dr. K. S. Kulkarni
Professor and Head of Department
Department of Physiotherapy
M. S. University of Health Sciences
Karnatak

Dr. K. S. Kulkarni
प्रमुख

इंदिरा गांधी शास्त्रीय वैद्यकीय महाविद्यालय,
नागपुर

Ultrasound Therapy unit

Specifications :-

- 1 MHz and 3MHz output in single transducer
- Should have continuous/pulsed treatment mode
- Should have timer, LCD display

M. R. Kolaharia

Dr. M. R. Kolaharia
Reg. No. 111004
Professor and H.O.D. of Orthopaedics,
Indira Gandhi Memorial Medical College
Jammu

A. M. Singh

अभिचार
श्री रा नदी आरतीय वैद्यकीय महाविद्यालय,
जम्मू

(4)

Interferential Therapy Unit

Specifications :-

- Digital pre-programmed
- Cable and electrode checking mode
- Light weight
- LCD display

R. K. Kulkarni

Dr. M. R. Kulkarni
Reg. No. 151984
Professor and Head of Orthopaedics
Indira Gandhi Memorial Medical College
Nagpur

Anand Singh

अभिष्ठापक
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय,
नागपुर

5

Computerised Combo Therapy (IFT+EMS+TENS+Ultrarays)

Specificatios :-

- Both medium and low frequency currents
- Pre-programmed with protocols
- Cable and electrode checking mode
- LCD display

M. R. Koichade
Dr. M. R. Koichade
Reg. No. 55064
Professor and H.O.D. of Ortopaedics
Indira Gandhi Govt. Medical College
Nagpur

M. R. Koichade
नरसिंहाय
इंदिरा गांधी सरकारी वैद्यकीय महाविद्यालय,
नागपूर

6

Shoulder CPM

Specifications :-

- Pre-programmed for Range of Motion, speed, pause and timer

M. R. Kulkarni

Dr. M. R. Kulkarni,
Reg. No. 55782
Professor
Indira Gandhi Govt. Medical College,
Nagpur

M. R. Kulkarni

अभिप्रेत
इति नवीन कालीन वैद्यकीय महाविद्यालय,
नागपुर



Elbow CPM

Specifications :-

- Automatic programmes
- Easy to convert for left and right elbow treatment
- Sliding mechanism

Approved.

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Approved.

अभिषेक नंदा
अभिषेक नंदा
अभिषेक नंदा
नागपुर

8

Kneeflex CPM

Specifications :-

- Lightweight
- Convenient long power cord
- Easy conversion From Adult to Paediatric
- Automatic increase in range of motion (0° - 20°) in each treatment set

M. R. Kojha
Dr. M. R. Kojha
Reg. No. 55094
Professor and H.O.D. of Orthopaedics
Indira Gandhi Govt. Medical College
Nagpur

M. R. Kojha
जि.सं.सं.सं.
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय,
नागपुर

Multiexerciser

Specifications :-

- Quadriceps exercises
- Hamstring Exercises
- Overhead Shoulder Exercises
- Bilateral Shoulder Exercises

M. R. K.

Dr. M. R. Kolchate
Reg. No. 55254
Professor and H.O.D. of Orthopaedics
Indira Gandhi Govt. Medical College
Nagpur

M. R. K.

अभिज्ञता
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय,
नागपुर

10

Electrical Muscle Stimulator

Specifications :-

- Should have Galvanic, Intermittent Galvanic, Faradic and Surge Faradic type of current
- LCD display for intensity

P. B. D. S.

Dr. P. B. D. S.
Principal
N. G. P. College
Nagpur

Anand

अभिषेक
श्रीरा गांधी स्नातकोत्तर वैद्यकीय महाविद्यालय,
नागपुर

11

Infrared Lamp

Specifications :-

- Floor model
- Intensity of radiation, height, angle and direction adjustable
- Timer

P. J. Jadhav

Dr. J. K. Jadhav
Reg. No. 12345
Professor and Head of Department,
India School of Management Studies,
Mumbai

Anuska Jadhav

अभिज्ञता
प्रति राष्ट्रीय वैज्ञानिक महामंडळ,
नागपूर

High-low tilt table

Specifications :-

- Remote controlled up-down and tilt adjustable
- Angle indicator on both sides
- Straps with locking
- Angle adjustable footrest

Dr. Pradeep

Dr. Pradeep K. Singh
MBBS, MD, FRCS
Senior Lecturer
Professor of Department of Orthopaedics
Indira Gandhi Hospital, Medical College,
Bhopal

Dr. Pradeep

अभिष्ठाता
श्रीमद् गंधी सरकारी वैद्यकीय महाविद्यालय,
बhopal

Traction Table

Specifications :-

- Split section table
- Adjustable traction fitting height
- Cushion padded table

Dr. M. R. Koichare
Dr. M. R. Koichare
Reg. No. 55094
Professor and H.O.D. of Orthopaedics
Jyoti Ganeshi Govt. Medical College
Nagpur

Anushty
अनुष्टय
शिवरा गांधी शासकीय वैद्यकीय महाविद्यालय,
नागपूर

Infrared + Ultraviolet Lamp

Specifications :-

- Combined infrared and ultraviolet (IR/UV)
- Timer

Prabhakar
Dr. M. S. Prabhakar
Professor of Microbiology
M. S. Prabhakar College
Nagpur

Anuska
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय,
नागपूर

15

Supination Pronation Unit

Specifications :-

- Wall mounted
- Height adjustable

M. R. Kolchade

Dr. M. R. Kolchade
Reg. No. 55084
Professor and H.O.D. of Orthopaedics
Indira Gandhi Govt. Medical College
Nagpur

M. R. Kolchade

अभिष्ठाता
इंदिरा गांधी सरकारी वैद्यकीय महाविद्यालय,
नागपुर

16

Sensory Integration Equipment :-

Activity Fun Gym

Specificatiois :- It should include following equipments

- Balance Beam
- Foot Placement Ladder
- Physio Ball (75cms, 85cms, 95cms)
- Physio Roll
- Equilibrium Board(platform size 45cmsx60cmsx15cms) with cushion cover
- Vestibular Board (size of 60"X30")
- Ball Pool (Round pool 120cms diameter x 50 cms high x 10 cms thick padding with multicolour 500balls)
- Magnetic Peg Board
- Pinch Tree Board
- Size Perception Round board set
- Pyramid Round
- Vibrator

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जयशंकरा
स्विस नर्सि अकादमी विसाईन मन्डलियालय,
नामपूर

Treatment Couch

Specifications :-

- Made up of metal
- With soft cushion leather top
- Size 24"x24"x72"

W/Barcode

Dr. M. R. Reichhade
 Reg. No. 55086
 Professor and H.O.D. of Orthopaedics
 Indira Gandhi Govt. Medical College
 Raigarh

Anseel Singh

जिल्हाधिकारी
 सविन गंधी अलखीय वैद्यकीय महाविद्यालय,
 रांगूर

Foot stool

A

Specifications :-

- Wooden 12"x12"x18"

70/10/20/20

1. Name of the item
 2. Quantity
 3. Unit
 4. Estimated cost
 5. Remarks

Anurag Singh

अभिषेक
 इंदिरा गांधी आसक्ति वैद्यकीय महाविद्यालय,
 नगपुर


Specifications

Digital weighing balance, Capacity 6 – 10 kg

- Capacity – 6 – 10 kg
- Sensitivity – 0.1 gm
- Pan size – 180 x 170 mm, S.S. Weighing Pan, Level indicator
- Callibration – Auto Calibration with External Weight
- Display - Easy to read LCD/LED display with backlight
- Multifunction Weighing Units
- Auto zero Tracking, Low battery Indication
- Overload Protection Design
- Automatic switch off option
- In Built rechargeable battery for continuous use


तांत्रिक समिती सदस्य


Associate Professor
Dept of Anatomy
KGMU Nagpur


अध्यक्ष

तांत्रिक समिती
प्राध्यापक व विभागप्रमुख
शरीररचना शास्त्र विभाग
इं.गां.श. वै.स. नागपुर


तांत्रिक समिती सदस्य

Associate Professor
Dept of Anatomy
KGMU Nagpur


अधिष्ठाता
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय
नागपुर.

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Specifications

Digital weighing balance Capacity 200gm

- Capacity – 200 gm
- Sensitivity – 0.001 gm
- Pan size – 80 mm, S.S. Weighing Pan, Level indicator
- Callibration – Auto Calibration with External Weight
- Display - Easy to read LCD/LED display with backlight
- Operating temperature – 15 – 45 degrees
- Multifunction Weighing Units
- Auto zero Tracking, Low battery Indication
- Overload Protection Design
- In Built rechargeable battery for continuous use

Shukla

तांत्रिक समिती सदस्य

Associate Professor
Dept of Anatomy
IGMC Nagpur

Chalpi
30/6/18

तांत्रिक समिती सदस्य
Associate Professor
Dept of Anatomy
IGMC Nagpur

DBD

अध्यक्ष

तांत्रिक समिती

प्राध्यापक व विभागप्रमुख
शरीररचना शास्त्र विभाग
इं.गां.शा. वै.म. नागपुर

Dr. S. S. S. S.

अधिष्ठाता
इंदिरा गांधी स्नातकोत्तर वैद्यकीय महाविद्यालय
नागपुर.

DEPARTMENT OF BIOCHEMISTRY, IGGMC, NAGPUR

TECHNICAL SPECIFICATION FOR ELISA READER

1. Should be 8 channel optical measuring system.
2. Should work with a keypad on 20 keys.
3. Should be able to read U-, V-, or flat bottom 96 well plate.
4. Should have capability for Mono, Bi chromatic measurement.
5. The results ie. Abs, Sample no. & interpretation must be seen on the screen in matrix form. Graphs should be displayed on the screen and printout possible.
6. Microwell plate should be measured within minimum 8 seconds in the monochromatic measurement mode.
7. Should be provided with 405nm, 450nm, 492nm, 630nm standard filters. There should have optional 578nm, 700nm optional filter position.
8. Should have facility for up to 100 user defined test protocols.
9. Should have large LCD display with user friendly software operation.
10. Should have variable speed linear shaking facility for the microwell plates for the removal of microbubbles and mixing of the well solution.
11. The microwell plate position should have aerosol cover facility to prevent external contaminants and stray light.
12. Should have measurement range upto 2.5 Abs.
13. The on-board software should have capability of storing the calibration curve data for at least 8 standards in all the test programs.
14. The curve should be displayed on screen.
15. System should have 1 cutoff equations for qualitative test and grey zone in percentage with upper and lower limit.
16. It should have facility for plate mapping. plate mapping must allow positioning of control, calibrators, blanks and samples at any location on the plate with lab custom patient IDs.
17. The system must accept external dot matrix / laser printer.
18. Should have ports for external printer and transmission of data to the host computer.

[Signature]
 PROFESSOR AND HEAD
 DEPARTMENT OF BIOCHEMISTRY
 IGGMC, NAGPUR

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 PROFESSOR AND HEAD
 DEPARTMENT OF BIOCHEMISTRY
 IGGMC, NAGPUR

[Signature]
 PROFESSOR AND HEAD
 DEPARTMENT OF BIOCHEMISTRY
 IGGMC, NAGPUR

19. System should have 2 years warranty. During warranty period preventive maintenance kit should be supplied by the company.
20. After 2 years of warranty period CMC to be done.
21. Rate of consumables & spares should be declared at the time of purchase & same rates will be fixed for at least 5 years.
22. 2 ton split AC should be provided with the system.
23. All consumables (tubings, bulbs) required during warranty period should be supplied with the instrument at the time of purchase .
24. Demonstration is compulsory.
25. Training to be provided.

Muse Singh
अधिष्ठाता
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय
नागपुर.

[Signature]
Professor and Head
Department of Biochemistry
Jawahar Government Medical College
Nagpur.

Department of Biochemistry, IGGMC, Nagpur

SPECIFICATION OF ELECTROLYTE ANALYZER

- It should be an easy operation instrument for Electrolytes Na⁺, K⁺ based on the principles of Ion Selective Electrodes.
- It should perform the test using whole blood, serum plasma, CSF and urine.
- The required sample volume should not be more than 100 to 110 microliters.
- It must have automatic probe wiping facility to avoid manual contaminations.
- The system should have an automatic calibration after or more than 2 hrs and not after an every sample to avoid unnecessary reagent consumption.
- Apart from automatic calibration the user should be able to calibrate the machine as & when required.
- The sample processing time should not be more than 60 seconds (for whole blood, serum & plasma) & 100 seconds for urine samples.
- The instrument should be to store minimum 120 patient results in its memory & minimum 15 normal and 15 abnormal Q.C results for quality report.
- The electrodes should be preferable maintenance free or easily maintainable with minimum possible keys of the instrument.
- Free reagents for six months should be provided alongwith instrument considering workload of 15 samples per day
- Two years comprehensive warranty (including electrodes) to be provided and CMC after warranty for 5 yrs
- The list of users should be provided with contact numbers and preferable with e-mail ID's
- Demonstration is compulsory.
- Training to be provided.
- Operators manual and detailed service manual to be supplied along with machine.

[Signature]
Professor and Head
Department of Biochemistry
IGGMC, Nagpur

[Signature]
मुख्य अधिकारी
आर्य समाज अस्पताल
प्रशासक, नागपुर

[Signature]
Professor and Head
Department of Biochemistry
in the Gandhi Government
Hospital, Nagpur

[Signature]
अधिष्ठाता
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय
नागपुर.

Department of Biochemistry, IGGMC, Nagpur

SPECIFICATION FOR SEMI-AUTO BIOCHEMISTRY ANALYZER

- It should be microprocessor controlled, programmable, semi-auto analyzer to perform routine biochemistry tests (including endpoint, fixed time, bi-chromatic & Kinetic assays), enzyme immunoassays (with multistandard curve calibration & memorisation) etc.
- It should offer a minimum of 150 user definable chemistry parameters
- It should have a peltier controlled reading block and flowcell volume less than 20 ul with temperature programmable for 25, 30 & 37^o C
- It should require minimum reagent per test typically not more than 500ul/ test
- Keypad to enter detail chemistry programs & alphanumeric patient ID
- Flowcell with peristaltic pump should be part of the main unit
- It should have facility to use both 6mm glass cuvettes & 10mm plastic cuvettes additionally.
- It should have minimum 8 narrow band static interference filter (not filter wheel) with wavelength selectable from 340-670 nm.
- It should have minimum 6 lines LCD display alphanumeric and built in full thermal printer for printing reaction curves & test results.
- It should have the facility to display the actual temperature on screen especially for fixed time and Kinetic tests.
- It should have facility to store reagent blank O.D. , standard blank O. D., QC data, minimum 500 test results and capable to recall store results patient ID or date wise.
- The software should be user friendly and guide the programmer step by step.
- The instrument should have facility for printer connectivity and USB for computer connectivity.
- The manufacturer / supplier should have a full-fledged service force and provide list of installation for quoted model.

Professor and Head
Department of Biochemistry
Institute of Postgraduate Medical Education
Institute of Postgraduate Medical Education
Institute of Postgraduate Medical Education

अधीक्षक, प्रयोगशाला
इंदिरा गांधी शासकीय वैद्यकीय महाविद्यालय
नगपुर


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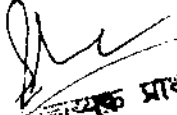
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DEPARTMENT OF BIOCHEMISTRY, IGGMC, NAGPUR

TECHNICAL SPECIFICATION FOR ELISA ~~READER~~ Washer

1. Should have 8 channel manifold and 12 channel manifold supplied with the instrument .
2. Should have touch screen and no keypad.
3. Should have 4 bottles connected to it online, 1 Rinse, 2 Wash and 1 Waste bottle.
4. The waste bottle should have sensors.
5. The system should have 64 wash protocols and must not use cards.
6. It should have 2 options for dispensing Low and High.
7. The system must offer choice to use any of the 2 wash buffers while running.
8. The system must perform top wash, bottom wash and in case of flat wells cross washing.
9. It should have soak facility for 250s.
10. The microplate must be docked in a removable plate carrier, whose decontamination can be performed.
11. The system must have Aerosol cover to prevent particulate matter during wash cycle.
12. System should be provided with standard accessories such as pin for cleaning manifolds, 1 fuse, 1 power cord.
13. Should be supplied with online UPS of sufficient capacity with minimum 30 minutes back up time.


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जीवरासायनशास्त्र विभाग
डॉ. गांधी शासकीय वैद्यकीय
कॉलेज, नागपूर.



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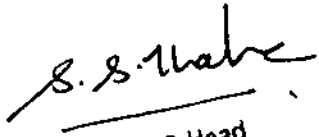
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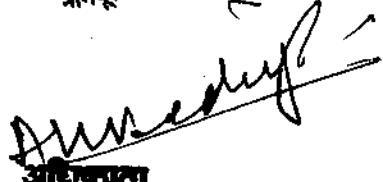
Specification for Skin fold thickness- Harpenden calliper

1. Should have dial graduation 0.20mm
2. Should have measuring range 0-80 mm
3. Should have constant measuring pressure for any angle of opening. -
10gm/mm²
4. Should have accuracy 99%
5. Should have repeatability 0.20mm


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Professor & Head
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Specification for OTOSCOPE with 3 specule

1. Should have 3 specula
2. Should be convenient pocket type of otoscope.
3. Should be provided with halogen light source
4. Should be able to detach the otoscope head
5. Should provide no reflection and obstruction
6. Should provide detachable accessories of various sizes
7. Should have inbuilt rechargeable battery.

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अभिज्ञान संस्था, नागपुर

S. S. Thakre
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अभिज्ञान संस्था, नागपुर

Rabbit holder

Wooden box-type

Front top lid opening

Air-window push system

Neck holding arrangement

Dr
27/6/18
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औषध शास्त्र विभाग
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Electronic Weighing Balance- Specifications

High Precision balance

Electronic model no HPB-510

Capacity-220 gm

Readability and Sensitivity- 0.001g(1mg)

Reapeatability- 0.001g(1mg)

Linearity- 0.0002gm

Pan size- 90mm

Operating temp- 10-40°C

Dimension - 530 x 435x490

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Equipment Trolley

Specifications :-

- Easy to move
- Detachable

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Dr. G. K. D. C.
Professor and HOD
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Dr. G. K. D. C.

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नागपुर

Specifications

Rotary Microtome

- Spencer type, Latest model
- Supplied complete in wooden Box with two knives of 120mm & 150 mm long with back & Handle
- Accessories to be included - 3 types of block holder, one bottle of Lubricating oil, Rexine cover & Disposable Blade holder for low profile or high profile blade

Mallik
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1986
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Anand
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इंदिरा गांधी स्नातकोत्तर वैद्यकीय महाविद्यालय
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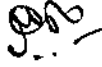
Specifications

Distillation Apparatus

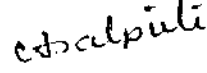
- Type – Single distillation
- Capacity - 3 litres per hour
- Automatic, Electrically heated, All glass apparatus
- All fittings and accessories included
- Certified by NPL or equivalent agency

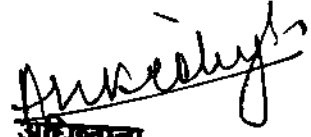

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Specifications

Tissue Floatation Water Bath

- Cylindrical model, double walled with special grade glass/mineral wool insulation
- Inner tank made of hard anodized aluminium or equivalent material
- Housing made up of powder coated aluminium or equivalent material
- On off Switch, Indicator Lamps, Temperature controller
- Capillary type Thermostatic controller
- Size: diameter 225 mm and depth 70 mm
- Temperature range – 50 to 70 degree celcius, with accuracy of +/- 2 degree celcius

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Specifications

Articulated human skeleton, Adult size

- Size 170cm -180 cm or life size.
- Made of PVC plastic, showing anatomically correct details
- Removable arms & Legs.
- Features nerve branch vertebral artery & herniated lumbar disc.
- Skull includes movable jaw , cut calvarium, suture lines & three removable lower teeth.
- Mounted on a sturdy 40 cm wide metal base.
- Washable.
- Unbreakable.

Alkhan
30/6
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नागपुर.

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Specifications

Paraffin Embedding bath

- Rectangular model, double walled with special grade glass insulation
- Made of Stainless steel
- On off Switch, Indicator Lamps, Concentric rings (SS) & temp controller
- Thermostatic controller
- Size 300mm L x 300mm W x 100mm D
- 6 holes of 75mm diameter.

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नागपुर.

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Specifications

Dissecting microscope

- Square stage, 85 mm x 75 mm
- Clear stage glass and attachable matted glass stage
- Focussing by Rack and Pinion motion
- Plane and concave mirror
- Two hinged joint arm for magnifier
- Two magnifying objectives 10x and 20x

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