



Government of West Bengal  
Office of the Principal  
Nil Ratan Sircar Medical College  
Kolkata – 700014; Phone: 033-2286-0033  
Website: [www.nrsmc.edu.in](http://www.nrsmc.edu.in); e-mail: [principalnrsmc@gmail.com](mailto:principalnrsmc@gmail.com)

Memo No. NMC/STORE/ 5845

Dates: 01/09/2021

**E-TENDER NOTICE (NIT No: 32 / 21-22) FOR PURCHASE AND INSTALLATION OF  
EQUIPMENTS FOR DIFFERENT DEPARTMENT OF  
NIL RATAN SIRCAR MEDICAL COLLEGE, KOLKATA - 700014.  
(Through Pre-qualification)  
(Submission of Bid through NIC e- tender portal)**

The Principal, Nil Ratan Sircar Medical College, Kolkata – 700014, is going for e-Tender on behalf of the Health & Family Welfare Department, Government of West Bengal for obtaining the rate of equipment as per list from bonafide Manufacturer/Direct Importer/Authorized Distributors. Necessary earnest money to be submitted for participation in the Tender is appended in the table below. Exemption of EMD is applicable to agencies having valid, item specific certificate issued by appropriate authority of Govt. of West Bengal.

1)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	Microdebrider Set with attachment for treating Rhino-Orbital – cerebral Mucormycosis	ENT	1 set	Rs. 50000.00

2)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	ICU ventilator	Different Department	10 pcs	Rs. 50000.00

3)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	Skull Clamp with Flexible Brain retractor	Neurosurgery	01 pc	Rs. 10000.00

4)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	Table Fixation arrangement system	Neurosurgery	01 pc	Rs. 10000.00

5)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	ICU ventilator for pediatric	Pediatric Surgery	5 pcs	Rs. 30000.00

6)

Serial No	Name of equipment	Department	Quantity	Earnest Money
1	Uroflowmeter	Urology	02 pc	Rs. 5000.00

All bidders must complete their technical demonstration of their quoted items within ten (10) days from the date of opening of technical bid to the concern Department.

**1. General Instructions:**

In the event of e-filing, intending bidder may download the tender documents free of cost from the website: <http://wbtenders.gov.in> directly with the help of Digital Signature Certificate or from the Health & Family Welfare Department's website [www.wbhealth.gov.in](http://www.wbhealth.gov.in).

**2. Submission of Bids:**

Both Technical Bid and Financial Bid are to be submitted concurrently duly digitally signed, in the website <http://wbtenders.gov.in>. All papers must be submitted in English language.

**3. Time Schedules:**

The time schedule for obtaining the bid documents, pre bid meetings, registration with the tendering authorities, the submission of bids and other documents etc. will be as per **the list provided in clause no 23** as given below. Bidder are instructed to wait for uploading any corrigendum arising during pre bid meeting, before submitting their bid online

**4. Eligibility for Quoting:**

**Only Manufacturers/direct Importers/Authorized Distributors are eligible for quoting.** The price is to be quoted in Indian Rupees including cost of insurance, packing, forwarding, freight charges, clearing charges and installation of the new instrument and exclusive of GST and other taxes which are to be quoted separately in the BOQ. Agency commission is not permissible.

**5. Submission of Tender:**

The tender is to be submitted in Two Bid System (Technical Bid or Bid A & Financial Bid or Bid B).

**(A) Technical Bid or Bid A:**

**"BID A": PART I**

**File containing Technical Bid only - single file with multiple scanned pages containing Statutory and My documents separately.**

**(a) STATUTORY** Cover containing the following documents:

(SINGLE FILE MULTIPLE PAGE SCANNED)

Essential Requirements of the Tendering Firm for participation" shall contain all papers related to the essential requirements of the Renderer for participation in the tender viz.

Sl. No.		Page no
1	Duly filled in CHECK LIST in the prescribed format. Page number of documents must be mentioned in the check list before uploading the same.	
2	Application in the prescribed format given in Annexure I	
3	Authorization letter of signatory from Company in Annexure II	

4	Copy of agreement between the manufacturer and the Distributor in Annexure III	
5	No conviction certificate in the form of an Affidavit as per Annexure-IV	
6	A Proof of submission of applicable END	

**(b) NON STATUTORY/MY DOCUMENTS** Cover Containing the following documents:

Essential Requirements of the Tendering Firm for participation” shall contain all papers related to the essential requirements of the Renderer for participation in the tender viz.

Sl. No.	Category	Sub Category	Sub Category Description	Page No
A	Certificates	A1. Certificates	PAN Card of the authorized signatory	
			Professional Tax Registration certificate	
			GST Registration certificate	
B		C2 : CREDENTIAL 2	A declaration in respect of existence of a fully equipped service centre in or around Kolkata in respect of the relevant item.	
			List of purchaser in Govt. Institutions of repute, for last two years	
C.	FINANCIAL INFO	PAYMENT CERTIFICATE 1	Income Tax Returns submitted for the last three years	
		Audited P/L & BALANCE SHEET		
			P/L & Balance sheet of the last three years	

**BID A”: PART II**

Technical specifications of Instrument (in PDF/Excel format. Must mention Make, Model, exact features of the offered item against each point given in the specification chart). **Improper filling &/or suppression of facts/false statement will lead to disqualification and penalty in the form of permanent black listing.**

**(B) Financial Bid B**

**COVER “B”:** Separate file containing financial document only.

(a) Financial Bid: BOQ in INR (in excel sheet)

The folder marked as “Financial Bid” shall contain ALL INCLUSIVE PRICE in INR only and should include base price along with the cost of allied works and services which are to be undertaken (like installation, commissioning of equipment or PC etc.), cost of insurance, packaging, forwarding, delivery charges, clearing charges of the new instrument to be purchased. **GST and any other applicable tax. should be quoted separately. Five years CAMC rate should also be quoted separately** in the template

for Bill of Quantities (BOQ). However, the L1 will be determined on base price plus admissible taxes only. GST quoted will be directly remitted to Government account as per existing norms of Finance Department.

The tenderers are required to submit the hard copies of Cover A (Transaction document of EMD , General Documents and Technical Specifications) as per schedule described in the time line vide clause 23, preferably by **speed post/ courier**, to the office of the Principal, NRS Medical College, Kolkata. Submission of hard copy of Cover A to the office of the Principal, Nil Ratan Sircar Medical College, Kolkata, is for reference only while examining the technical bid on line and will not be treated as substitute for on line submission. **Submission of hard copy of Bid B is totally prohibited.**

#### **6. Evaluation of Tender:**

During tender evaluation process, "Bid A" will be opened first. Those tenderers who would qualify the Statutory & Non-Statutory requirements on the basis of technical and commercial documents will be identified and "Bid B" i.e. financial bid of only those qualified bidders will be opened. Verification of hard copies of the audited balance sheet and Profit & Loss Accounts of the Tenderers for the last three years will be made if deemed necessary before opening the Financial Bid (Bid B) of the technically qualified bidders. If found suitable on the basis of above pre-qualification, the tenderer quoting the lowest rate, will be considered as successful.

#### **7. Earnest Money:**

The earnest money of the tenderer is liable to be forfeited if the tenderer withdraws his tender as a whole or for any particular item or items at any stage after opening of the tender or fails/refuses to enter into written agreement for any or all of the items of his accepted bid within the time specified when requested to do so or fails to furnish Performance Bank Guarantee within the stipulated time. **EMD should be deposited online in the Pooling Account of Government of West Bengal maintained at ICICI Bank, RN Mukherjee Road Branch in the manner as prescribed in Government Order no. 3975-F(Y) dated 28/07/2016. (Order copy is available at the site-www.wbfin.nic.in)** Hard copy of Bid A should reach the office on or before the stipulated date as mentioned in clause 23.

#### **8. Rate:**

The price is to be quoted in INR only including cost of insurance, entry tax, packaging, forwarding, delivery charges, clearing charges and installation of the new instrument. The basic rate should be furnished inclusive of Transportation Cost, Insurance, Testing Charges, Incidental Charges etc. but excluding GST and any other applicable taxes etc. which should be quoted separately in the template for Bill of Quantities (BOQ).

#### **9. Order & Supply:**

The tendering authority has the liberty to ask for **performance demonstration** of any item during any stage of the tender process, before placing order for supply. In case of dissatisfaction, the authority will have the right to disapprove the offer of L1 bidder and go for the next bidder. Orders for supply of the approved products will be placed with the successful tenderers after execution of agreements and such supply shall have to be made in such installments as may be fixed or spread over the period to be specified in the supply orders to be made in pursuance of the agreements. The equipment is to be transported in such packaging so as to avoid damage to primary package of manufacturer. The successful tenderer will have to supply within the specified time schedule that had been assured at the time of selection as supplier.

The tendering authority will be at liberty to enhance the quantity of the item tendered up to 40% of the original required quantity. Bidder will have to consider the same while bidding as supply of the enhanced quantity will be mandatory as the original one.

**10. Withdrawal /Cancellation & Purchase Policy of Tendering Authority:**

The tendering authority reserves the right to withdraw any item from the tender at any stage. The selection of such item, if already made in favour of any tenderer, shall be treated as cancelled. The tendering authority reserves the right to reject or accept any tender or part thereof at any stage or to split any tender without assigning any reason. Withdrawal of tender or any revision after submission of tender by the tenderer will not be allowed.

Purchase will, however be made following the existing purchase policy of the Govt. of West Bengal and its amendment(s) made from time to time. The purchase policy of the State Government as provided in the West Bengal Financial Rules, the policy of price preference in particular incorporated under Notification No. 10500-F dated 19.11.04, 5400-F(Y) Dated 25/06/2012 and subsequent relevant orders should be observed in considering the tenders.

**11. Important Instruction with regard to Submission of Tender:**

The rate should be quoted in Indian Rupees for a particular brand or model (model no. of the offered item only must be mentioned in the appropriate column of the 'Tender Form'. Alternative offer will not be accepted). The tender shall be cancelled for the quotation of item without its brand name, model, model no. etc. Detail information regarding the manufacturer and the item quoted in the 'Tender Form' should be furnished.

**12. Spare Parts:**

The Bidder will undertake that supplies of necessary maintenance equipment and spare parts will be made available for all items/equipment and the complete system for at least five years on a continuing basis. However, this does not relieve the supplier of any warranty obligations under the contract.

**13. Guarantee / Warranty Period:**

i) The machine/Instrument should be covered by free on-site comprehensive Warranty for one year after successful installation. The tenderers must quote for 5 (Five) years' comprehensive on-site AMC of entire system (including all spares & labour) after the date of completion of free warranty period. The CAMC charges for 5 years to be quoted in the BOQ, will however be determined on extant Govt. rules in this regard.

ii.) All faults appearing and their rectification shall be periodically advised to the institute, the period being not more than two weeks.

iii.) Any lacuna or lacunae noticed in the functioning of the installation as a result of any design or other feature shall be rectified by the supplier free of cost within 72 hours of call log.

**14. After Sales Services and Maintenance Contract:**

After sales service must be provided by the supplier, during and after warranty period of the equipment. Selected vendor will remain liable to attract penalty for violation of machine downtime as per agreement. The selected vendor or his authorized servicemen has to attend the machine within 72 hours of Call Log. It is desirable to have a fully equipped service centre in or around Kolkata.

**15. Delivery, Installation and Commissioning**

i. Delivery of the goods at the purchaser's premises shall be completed by the Supplier in accordance with the terms specified by the purchaser.

ii. The installation, testing and commissioning of the proposed system shall be completed in accordance with the order.

iii. All items are to be delivered within six weeks from the date of placement of order.

iv. In case of distributor, the firm should be direct distributor of manufacturing unit. **Sub distributor authorization by distributor will not be accepted at all.**

**16. Penalty Clauses:**

**PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS:** If during the tender process or at any stage during the validity of the tender period, it is found that a tenderer(s) has formed a cartel in what so ever form or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenderers who have submitted false/ misleading/ fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of Earnest Money, forfeiture of Performance Bank Guarantee if enlisted as a supplier in addition to any other legal action against the firm.

**17. Appeal:**

Appeal against the decision of the Principal, Nil Ratan Sircar Medical College, Kolkata and then to impose such a penalty will lie with Tender Selection Committee. Review against the decision of the Tender Selection Committee (TSC) will lie with Health & F.W. Dept. of the Govt. of W.B. The Special Secretary/Secretary/Principal Secretary will be the appellate authority within the Department of Health & Family Welfare, Government of West Bengal. Before imposing any penalty as per clauses 20, 21 and 22 the concerned supplier may appeal to the authority citing the proper reasons for non- imposing the penalty as stated.

**18. Agreement:**

On a tender being accepted, intimation of acceptance will be forwarded to the tenderer by Principal, Nil Ratan Sircar Medical College, Kolkata. After communication of the same, the tenderer will have to execute agreement in the prescribed form with the Principal, Nil Ratan Sircar Medical College, Kolkata. In case any direct purchasing unit wishes to go for a separate agreement, the head of the purchasing unit must get written permission to that effect from his controlling authority. This present document and the tender forms filled in by the tenderer or copies thereof in so far as they are not inconsistent with these terms & conditions will be incorporated as part of the agreement. Such agreement will be binding on the tenderer.

**19. Validity Period of Agreement:**

The contract period will be for a period 01 (one) years from the date of finalization of tender **which can be extended for a further period of 6 months if Tender Selection Committee feels necessary.**

**20. Performance Bank Guarantee:**

The performance bank guarantee will be mandatory for all suppliers and will not be waived in any case. The successful tenderers shall be required to furnish the 'Performance Bank Guarantee' from any Nationalized/Scheduled Bank acceptable to Govt. of West Bengal for One year @ 10% of quoted base rate per item for which the tenderer has been selected as supplier. The performance bank guarantee will have to be renewed after completion of Free Warranty period, for additional 5 (Five) years under the paid CAMC period before transfer of the CAMC amount to bidder's account. Mentioning of West Bengal Government Pooling Account for Performance Bank Guarantee No. 000605030134 IFS Code ICIC0000006 MICR 70229002 at ICICI Bank, RN Mukherjee Road Branch, Kolkata on the body of Performance Bank Guarantee is made mandatory vide Finance Department GO No. 2691-F(Y) dated 02/05/2017.

**21. Inspection:** Before submitting the tender, the intending tenderers should thoroughly get acquainted themselves with the proposed supply and installation by local inspection of site and take into consideration the site condition and other criterion for effecting smooth supply. No claim whatsoever will be entertained afterwards.

**22. Payment Terms:**

Payment will be made electronically by Govt. of West Bengal approved system after execution of due supply and successful installation as ordered, subject to :

i. Submission of Performance Bank Guarantee in terms of Clause 20 and subject to penalty clause in terms of Clauses 16.

ii. Supply of the materials as per specification as provided in the tender documents and the catalogue. Supply of the materials must be made within the stipulated period as specified in the work orders.

iii. On being selected, the successful vendors will have to submit one application to the Principal, Nil Ratan Sircar Medical College, Kolkata stating the name of the payee/recipient, Bank account no with IFS code of the payee/recipient for making e-payment. Payment will only be released after satisfactory installation and verification of following items-

1. Supplier's invoice in original
2. Challan and installation certificate
- 3 Any other thing of importance on the discretion of College Authorities

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1. Supplier's invoice in original
2. Challan and installation certificate
- 3 Any other thing of importance on the discretion of College Authorities

**23. Dates & Information:**

S. No	Items	Dates
1	Date of uploading of N.I.T. Documents (online) from this end.	04.09.2021, 5.00 P.M.
2	Documents download start date (Online)	04.09.2021, 5.00 P.M.
3	Date of hoisting of documents at Departmental Website ( <a href="http://www.wbhealth.gov.in">www.wbhealth.gov.in</a> )	04.09.2021, 5.00 P.M.
4	Date of Pre Bid Meeting and workshop with the intending bidders at the office of the Principal of NRS Medical College	07.09.2021, at 12.30 P.M
5	Bid Submission starting (On line)	08.09.2021, 4.00 P.M. onwards
6	Bid Submission closing (On line)	30.09.2021 at 4 P.M.
7	Bid opening technical bid(online) (Bid A )	04.10.2021 at 11.00 A.M.
8	Date of uploading list for Technically Qualified Bidder (online)(Bid A)	05.10.2021, 10 A.M. onwards.
9	Date & for opening of Financial Proposal (Bid B) (Online)	To be declared later
10	Date of uploading of list of bidders along with the approved rate	To be declared later.

Principal, Nil Ratan Sircar Medical College, Kolkata, reserves the right to change the above schedule in case of any exigencies after putting up a notice in the departmental website and Notice Board of N R S Medical College, Kolkata.

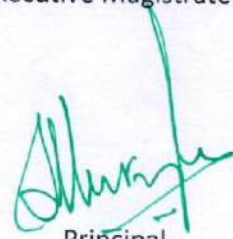


**24. Validity of Tender:**

- i. The tender will remain valid up to 1 (one) year from the date of finalization of tender **which can be extended for a period of 6 months**. Any objection raised by any bidder in this respect will not be entertained. No informal tenderer will be entertained in the bid further.
- ii. During the scrutiny, if it comes to the notice of tender inviting authority that the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not be allowed to participate in the tender and that application will be out rightly rejected without any prejudice.
- iii. Prospective bidders must take training from authorized agencies before submission of their bids.
- iv. The Tender Selection Committee reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

**25. NO- CONVICTION CERTIFICATE:**

No conviction certificate in the form of An Affidavit is to be submitted in the prescribed Pro-forma as Annexure-IV attached herewith from Notary Public/ Judicial Magistrate/Executive Magistrate.



Principal  
NRS Medical College  
Kolkata-14

**CHECK LIST (MUST BE PROPERLY FILLED)**

**NOTE: For Non applicability for some documents please mention "NA" in the check list. Must be mention page number in the check list.**

S. No	Item	PI put tick or NA	Page No.
1	Application submitted in Annexure I		
2	Annexure II (Authorization letter of signatory from the Company)		
3	Annexure III (Copy of agreement between the Manufacturer and the Direct Importer/Distributor)		
4	No conviction certificate in the form of an Affidavit as per Annexure-IV.		
5	Income Tax Returns submitted for the last three Assessment years		
6	GST Registration certificate(not provisional)		
7	PAN Card of the organization and authorized signatory.		
8	Manufacturer's guarantee (in case of Distributors and Direct Importer, to be obtained from manufacturer)		
9	Audited P/L & Balance sheet of last three years		
10	Technical specifications of Instrument (in PDF/Excel format. Must mention Make, Model, exact features of the offered item against each point given in the specification chart).		
11	Trade License in the name of participating firm		
12	PUC in respect of the manufacturing unit(if applicable)		
13	Certificate of country of origin		
14	Registration with Registrar of Companies		
15	Valid Manufacturing License(if applicable)		
16+	Import License with validity (for importers)		
17	List of purchaser in Govt. Institutions of repute, for last two years		
18	A declaration in respect of existence of a fully equipped service centre in or around Kolkata in respect of the relevant item.		
19	A Proof of submission of applicable END		

**ANNEXURE-I**

**APPLICATION FORMAT**

(To be furnished in the Company's official letter pad with full address and contact no etc)

To The Principal, Nil Ratan Sircar Medical College, Kolkata-700014.

Sub: Tender No.-----Dt.------(Name of the Item -1)-----2)-----  
-----3)-----4)-----

---) for purchase and installation of equipment for department of ....., Nil Ratan Sircar Medical College, Kolkata-700014.

Ref:-

Sir,

Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf of.....

In the capacity of.....duly authorized to submit the offer. The authorization letter from the Company is attached in Annexure II.

2. We accept the terms and conditions as laid down in the NIT mentioned above and declare that we shall abide by it for throughout the tender period and its extensions, if any.

3. We are offering rate for the following item /items and assured supply to the Health & Family Welfare Department, Government of West Bengal as per Table-1 (Instrument Specification)

4. a. We propose that the order and bill should be raised in our name.

For liasing, we have appointed M/S ..... having its office at ..... (Address, contact no and e mail address) as C&F agent /Liasoner /Contact person/..... Others (strike out whichever is not applicable) as per clause ..... of the NIT

b. The agreement between ourselves and the distributor/C&F/Liasoner & other documents as prescribed is attached in annexure III

5. In the event of being selected, supply will be made within the stipulated period excepting the condition which is beyond our control.

6. We understand that:

(a) Tender Selection Committee/ H&FW Dept can amend the scope & value of the contract bid under this project.

(b) Tender Selection Committee/ H&FW Dept reserves the right to reject any application without assigning any reason.

Date :-

Signature of applicant including title  
and capacity in which application is made.

Contact details -

Mobile:

E mail ID:

**Annexure II**

Authorization letter in favour of the applicant (other than Managing Director/ Proprietor) –  
from the competent authority.

FORMAT

(To be furnished in the Company's official letter pad with full address and contact no, E mail  
Address etc)

(TO WHOM IT MAY CONCERN)

This is to certify that Mr./Mrs. ....(Name),  
an employee of this Organisation as ..... (Official  
Designation) is hereby authorized to submit tender online , Vide NIT  
No....., Dated..... on behalf of the Organisation.

Signature of the  
competent authority with Seal

.....  
(Signature of the Authorized Person)

Signature of Mr./Mrs. ....  
.....is hereby attested.

## **Annexure- III**

- a. Copy of agreement between the Manufacturer and the Direct Importer/Distributor in Annexure -III

## ANNEXURE-IV

Draft Affidavit Proforma  
(Notarized on Rs. 100 Stamp Duty)

I, Sri/Smt. ....  
The Managing Director/Proprietor (etc.) of the Firm.  
..... (Name of the firm)  
At (address).....  
P.O.....  
P.S.....Dist.....  
do hereby solemnly affirm and declare as follows:

- a. That I am not under conviction of any offence making myself liable to be disqualified to supply of Surgical Equipments/Instruments etc. to any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States.
- b. My Firm has not been blacklisted at present as a whole or for any item/ items as quoted in this tender by any Govt. or Govt. undertaking Organization /Institution in the State of West Bengal or other State or States in India.
- c. That no case is pending against me or against my Firm in any criminal court of law in connection with the supply of Surgical/hospital equipment/Instruments to the Govt. or Govt. undertaking Organization / Institution in the State of West Bengal or other State or States ( If any case is pending, pl state the details ).
- d. *That, I declare that the item or items quoted by me confirms the specification given in the NIT document or higher standard relating to the specification is provided.*
- e. The duly authenticated Technical Data Sheet is uploaded conforming to the prescribed standard.
- f. That, I also declare that if any information subsequently found incorrect or false will it automatically render the tender submitted by me cancelled and make me liable for penal/legal action as per law of the country.
- g. That I do further affirm that the statements made by me in this tender are true to the best of my knowledge and belief and all the documents attached are genuine & correct.


Deponent

**SPECIFICATION OF MAIN CONSOLE FOR MICRO DEBRIDER:**

1. Should be a versatile powered ENT system, that lets to choose just the power required for various ENT and Aesthetic related surgeries.
2. The system should be suitable for wide variety of procedures ranging from Rhinology, Other transnasal procedures, Otolology/ Neuro otology / Nasopharyngeal / laryngeal / tracheal / bronchial.
3. Should drive the hand piece for Adenoid specific application.
4. Should have in built user friendly interactive menu and illustrative help guide.
5. Should have large Touch screen monitor.
6. The various parameters should be able to adjust either from touch screen panel or from the multifunction foot switch.
7. Should be able to connect multiple hand pieces at a time like debrider hand pieces (Up to 7500 RPM in Oscillating mode & 30000 RPM in Forward mode), low speed Otology drills (Up to 16000 RPM) and High speed Otology drills (Up to 60000 RPM).
8. Console should recognize the various hand pieces and automatically adjust the settings accordingly.
9. Should have inbuilt pumps each for Irrigation (5Cc / Min to 100Cc / Min) and Cooling.
10. Should have multifunction ergonomically designed foot control with light emission for easy identification.
11. Should be able to control Speed / Mode, Forward / Reverse toggle, Active hand piece change from the Foot control itself.
12. Should have option for remote control Irrigation to operate from sterile area.
13. Should have in built Lens cleaning system.
14. Should have 0 Degree, 30 Degree, 45 Degree & 70 Degree endoscope sheath compatibility for Automatic Lens cleaning system.
15. Main Console should have an option to operate manual foot paddle from console itself in case the foot paddle are not working.
16. Should have the provision to mount the console on various sizes of IV pole.

**SPECIFICATION OF HIGH SPEED MICRO DEBRIDER HAND PIECE :**

1. Should be compatible with main console.
2. Should be able work up to the speed of 30000 RPM in forward rotation and 7500RPM in oscillation mode.
3. Should have fingertip control to rotate only the tip of the blade up to 360 deg.
4. Should have straight suction path to reduce clogging and allow efficient tissue removal.

  
19/6/21  
Prof. E. Sikda  
H30  
Department of ENT  
N.R.S.M.C.S.H  
KOL-14

5. Should have integrated blade locking system to lock the blade tip rotation.
6. Should have integrated side grooves and cable clips to provide better tubing management.
7. Should have Titanium body to avoid rusting.
8. Should be light in weight and ergonomically designed.
9. Should be able to operate 120 Degree curved blade for Maxillary Sinus Application.
10. Should be able to operate Diamond & Cutting burs for DCR Surgeries.
11. Should have provision to operate Inferior Turbinate blade for Turbinoplasty and Adenoid blade for Adenoidectomy.
12. Should be compatible with Frontal Trephination System for some specific Frontal Sinus Surgery.
13. Should be compatible to operate Endoscopic Skull Base Bur at 30,000 rpm speed.
14. Warranty should be 05 (Five) years.

14/6/21  
Prof. B. Sikdar  
HOD  
Department of ENT  
N.R.S.M.C. & H.  
KOL-14

14/6/21  
Prof. B. Sikdar  
HOD  
Department of ENT  
N.R.S.M.C. & H.  
KOL-14



## Technical Specification for Advance ICU ventilator:-

- Advance ICU Ventilator should have facility to ventilate for infant-child-adult category of patient & should have inbuilt color touch screen of minimum size of 10''(inch) or more . Ventilator and Trolley should be of same make and should be US FDA / European CE certified. European CE should be with 4digit identification number from notified body .
- **Air source:** built in turbine technology ,
- **O2 inlet:** From High Pressure O2 sources and low pressure O2 sources.

A. The equipment should have capable of delivering the following modes of ventilation:-

B. VCV(A), PCV(V), SIMV-VC, SIMV-PC,PSV,PRVC, APRV, ASV/PS-PRO/Equivalent self adaptive behaviour ventilation, BiPAP/ Duo-Level, CPAP, CPAP, NON INVASIVE VENTILATION .

C. **Special features:**

ET Tube compensation , High Flow Nasal Oxygen Therapy ( up to 60 LPM or more with FiO2 variation 21% to 100%)

D. **Function & Measurement:**

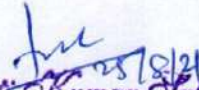
- 1) Should have Built in Nebulizer-Electronically programmable .
- 2) Should have minimum inbuilt 3 hours battery back up support during power failure.
- 3) Trend facility for 72 hours and alarm log should be available.
- 4) Should have facility for Inspiratory and Expiratory pauses.
- 5) Measurement of Plateau Pressure and Auto PEEP should be available.
- 6) Static RC , Dynamic RC , P=0.1sec measurement for weanability, WOB , NIF.

E. **Input settings parameters:**

- 1) Inspiratory Tidal Volume: 20ml to 2000ml
- 2) Inspiratory Pressure: 2 cmH2O to 99 cmH2O
- 3) Respiratory rate upto 120 bpm or more
- 4) PEEP: 0-50cmH2O
- 5) Pressure Support (PS):0-40cmH2O
- 6) Flo2 measurement: 21% to 100% by inbuilt Electronic blending facility
- 7) Facility to give 100% O2 before and after suctioning.
- 8) Flow Pattern-Constant and Decelerating.
- 9) Should have Adjustable Apnea Respiratory Rate.

F. **Monitoring parameters:**

1. Real time curves :Pressure curve (P), Flow curve (F), Volume (V) & Loop Curves: P/V,V/F,F/P .
2. Leak index for proper NIV settings and Mask adjustment.
3. Should have facility for Freezing and measurements of curves.
4. Should have VGA port for external monitoring.
5. Distinguished color for alarms should be available.
6. Should be inbuilt EtCO2 measurement facility for future upgradation.

  
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**G. Items/ Accessories: ( With Each Ventilator ):**

1.Ventilator Trolley- 1No, arm set for Patient circuit hanging- 1No, Humidifier with chamber-1set

2.Accessories ( Reusable ): Patient circuit with water trap(1set), NIV Mask(1 no), Expiratory Flow sensor (2Nos), test lung ( 1No).

3.Accessories ( Disposable): HEPA filter, Bacteria Filter , Nebulizer kit, High Flow Nasal Cannula- ( each 5 nos)

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## Skull Clamp with Flexible Brain retractor

### A. 3 - PIN CRANIAL SKULL CLAMP SET :

It is for rigid fixation of skull during surgery so that there should not be any movement during using microscope. Company Item should be US- FDA and European CE approved and product should be original. It would have supplied it in prime institutions of India.

#### Technical specifications:

1. It is for rigid 3 pin fixation of skull during surgery so that there should not be any movement during using microscope and High speed Drill.
2. Fixation pins of adult and paediatric sizes
3. Locking-unlocking mechanism of pin-attachments on side of the frame.
4. Frame lock-unlock by ratchet with pull mechanism.
5. Should have frame which can attach it with existing OT table available in the prime institutions of India.

#### Each unit/set should have:

1. Support/Mount device for base unit to any OT table (Original) - 1 No.
2. Ultra adjustable Base Unit- 1 No
3. Ball Socket Swivel adaptor- 1 No.
4. Swivel Adaptor – 1Nos.
5. Skull Clamp- 1 No.
6. Adult Reusable Pins in SS - 06 in No.
7. Paediatric Reusable Pins in SS - 06 in No.
8. Adult Horseshoe Head Rest with Extension bar for traction - 1 No.
9. Paediatric Horseshoe Head Rest- 1 No.
10. Cervical Spine Support for Anterior spine surgery - 1 No.
11. Crossbar Adaptor (Original) for sitting position - 1 No.
12. Universal Side Rail (Original) - 2 Nos.
13. Navigation Attachments for skull clamp which must be compatible with existing navigation system. = 01
14. Base Unit Park bench = 01
15. Armrest Park bench = 01
16. Side Rail OR Table Adaptor = 01

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**B. FLEXIBLE BRAIN RETRACTOR SYSTEM:**

The following items should be manufactured by firms of international repute and must have CE, ISO and US FDA approval.

The firm quoting should supply all the instruments and accessories of single make no mix and match will be entertained.

The firm must quote part number of each and every instruments and accessories in technical bid without which the tender will be out rightly rejected.

All the items and accessories must have US FDA approval.

1. The system must be fully compatible with existing cranial stabilisation system available in NEURO OT.
2. The system should be simple and easy to set up and provide full reach across the patient's head.
3. The system should eliminate the need of bulky C-Clamp and provide larger clamping area and should be mounted over several layers of drapes.
4. The system should be very flexible and must be angled in any desired direction, angle and height and curved rods must be positioned parallel to the floor and independent of skull clamp position.
5. System should be made of stainless steel and very light weight.
6. System should consist of flexible rotary arms with 360 degree rotation for precise position and real time adjustment.
7. The flexible arm should smooth movement and must be stable after reposition under tension.
8. The flexible blades should provide non stick and non reflective surface in the surgical field.
9. The System should be supplied with sterilization tray.

**The system configuration for two retractor system consist of the following:**

1. Quick Clamp – 04
2. Coupling Clamp - 08
3. Rod -04
4. Curved Rods -04
5. Flexible Rotatory arms with 280 mm - 04
6. Retractor BLADE SET 4inches, black coated for anti -reflective and non stick with width 6mm to 25mm –10 BLADES
7. Serrated Micro Retractor Blade with 2mmX10mm, Length from 4 1/2' to 6 1/2'- 6 Nos.
8. Hooked Micro Retractor Blade with 4mmX10mm, Length from 4 1/2' to 6 1/2'- 6 Nos.
9. Separate Sterilisation tray for retractor and flexible arm – 4 (2+ 2)
10. Halo Pattie tray -02

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## Specification of Table Fixation Arrangement System for NEURO Surgery

**Name of the Equipment :** Table Fixation Arrangement System for NEURO Surgery

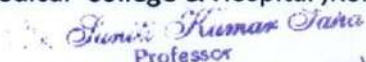
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### TECHNICAL SPECIFICATION :

The System will be fitted with The following Neuro Attachment

- a) Stout Round Bar with adjustable arrangement.
- b) Fixation System Fitted with Swiveling Arrangement for adjustment.
- c) Locking Arrangement for controlling Knob Attachment.

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## Technical Specification for Advance Pediatric ICU ventilator:-

- Advance Pediatric ICU Ventilator should have facility to ventilate for infant-child-adult category of patient & should have inbuilt color touch screen of minimum size of 8"(inch) or more . Ventilator and Trolley should be of same make and should be US FDA / European CE certified. European CE should be with 4digit identification number from notified body .
- **Air source:** built in turbine technology ,
- **O2 inlet:** From High Pressure O2 sources and low pressure O2 sources.

A. The equipment should have capable of delivering the following modes of ventilation:-

B. VCV(A), PCV(V), SIMV-VC, SIMV-PC, PSV, PRVC, APRV, ASV/PS-PRO/Equivalent self adaptive behavior ventilation, BiPAP/ Duo-Level, CPAP, CPAP, NON INVASIVE VENTILATION .

C. Special features:

1) High Flow Nasal Oxygen Therapy ( up to 60 LPM or more with FiO2 variation 21% to 100%)

D. Function & Measurement:

- 1) Should have minimum inbuilt 8 hours battery back up support during power failure.
- 2) Trend facility for 72 hours and alarm log should be available.
- 3) Should have facility for Inspiratory and Expiratory pauses.
- 4) Measurement of Plateau Pressure and Auto PEEP should be available.
- 5) Static RC , Dynamic RC.

E. Should have facility of integrated ultrasonic Nebulizer (electrically operated)

F. Input settings parameters:

- 1) Inspiratory Tidal Volume: 10 ml to 1000ml or more ( for infant-child-adult category patient) ( **Inspiratory Tidal Volume –minimum 10ml , during Pressure control ventilation for the Pediatric patients** )
- 2) Inspiratory Pressure: 5-60 cmH2O or more
- 3) Respiratory rate upto 80 bpm or more
- 4) PEEP: 0-20 cmH2O or more
- 5) Pressure Support (PS): upto 40cmH2O or more
- 6) Flo2 measurement: 21% to 100% by inbuilt Electronic blending facility
- 7) Facility to give 100% O2 before and after suctioning.
- 8) Should have Adjustable Apnea Respiratory Rate.

G. Monitoring parameters:

1. Real time curves: Pressure curve (P), Flow curve (F), Volume (V) & Loop Curves: P/V, V/F, F/P .
2. Leak index for proper NIV settings and Mask adjustment.
3. Should have facility for Freezing and measurement of curves.
4. Distinguished color for alarms should be available.
5. Should be inbuilt EtCO2 measurement facility for future upgradation.

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**H. Items/ Accessories: ( With Each Ventilator ):**

- ✓ 1. Ventilator Trolley- 1No, arm set for Patient circuit hanging- 1No, Humidifier (sensor controlled temperature) with chamber( Pediatric)-1set
- ✓ 2. Accessories ( Reusable ): Patient circuit pediatric with water trap-(2set), NIV Mask pediatric-(2nos), Expiratory Flow sensor (2Nos), test lung ( 1No).
- ✓ 3. Accessories ( Disposable): HEPA filter, Bacteria Filter , Nebulizer kit(ultrasonic)- 1set, High Flow Nasal Cannula- ( 5 nos)

W.L.  
03/09/21

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Wireless Flowcomp-NG Specifications (UROFLOWMETER)

Technical Specifications:

- State of the art uroflowmeter with accurate report parameters and flawless communication
- Wireless communication between computer and sensor-side control unit
- **RF based wireless** communication enhances the range (Upto 30ft) making the uroflowmeter setup quick, easy and hassle free.
- **StatFlow**, SME's proprietary software designed especially for uroflowmetry is easy to use. Attendant can add patient, start test, stop test, print report, see history etc. all this while sitting in his cabin.
- Report format is clean and consists only one page which includes:
  - Hospital Name and logo (Customizable)
  - Patient Info including his age, gender, height etc.
  - Two plots of Qura(ml/Sec) and Vmic(ml.)
  - Report parameters
  - standard **swarovski nomograms**.
- **Report Parameters:**
  - Hesitancy
  - Flow Time
  - Time to Max Flow
  - Voiding Time
  - Voided Volume
  - Max Flow
  - Avg Flow
  - Residual Urine

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**Box Contents:**

1. Flowcomp-NG control Unit
2. Transceiver Module
3. Computer system (Keyboard, Mouse, Monitor, Processor)
4. Vmic Sensor
5. Uroflowmetry Chair
6. Hesitancy Switch
7. 1000ml Beaker
8. Instruction Manual

**Electrical specifications and dimensions:**

• **Control Unit:**

Power Supply	Voltage	230VAC
	Frequency	50Hz
Physical	Dimensions (LxWxH)	91x66x30 mm
	Weight	450gms

• **Transceiver Module:**

Power Supply	Standard USB 1.0 or better (Standard USB port on computer)	
Physical	Dimensions (LxWxH)	52x47x20mm
	Weight	40gms

• **Vmic Sensor:**

Physical	Dimensions (LxWxH)	150x40 mm
	Weight	750gms

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