



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भूवनेश्वर  
(परमाणु उर्जा विभाग, भारत सरकार का एक स्वयं शासित संस्थान)  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR  
(An autonomous Institution under Department of Atomic Energy, Govt. of India)

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**Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

**MEDICAL EQUIPMENT**



**NATIONAL INSTITUTE OF SCIENCE EDUCATION & RESEARCH  
JATNI CAMPUS, P.O. – BHIMPUR-PADANPUR, VIA-JATNI  
KHURDA – 752050, ODISHA, INDIA**

**Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

E- Tenders are invited on behalf of the Director, National Institute of Science Education and Research, Jatni from the manufacturers(Indian or Foreign) and their authorised reseller/Indian agent only for supply & installation of the following items:-

<b>Sl. No.</b>	<b>Name of the Items</b>	<b>Tender No.</b>	<b>Name of Department</b>	<b>Qty. UNIT</b>	<b>EMD in INR</b>
01	Oxygen concentrator (WNC-0009)	NC-000534-ADMS-17-18	Administration	02 UNITS	1,800.00
02	Patient Multipara Monitor (WNC-0015)			01 UNIT	2,000.00
03	DEFIBRILLATOR WITH CARDIAC MONITOR (WNC-0016)			01 UNIT	4,000.00
04	Foetal Monitors (WNC-0017)			01 UNIT	2,000.00
05	ECG (WNC-0019)			01 UNIT	2,000.00
06	Syringe Infusion Pump (WNC-0020)			01 UNIT	800.00
07	DOUBLE SURFACE PHOTO THERAPY UNIT (WNC-0022)			01 UNIT	700.00
08	Mobile Shadowless Operation Lamp Single Dome Stand Model with Castors (WNC-0025)			01 UNIT	600.00

**NB: PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD. There is no exemption for TENDER FEE. (IF APPLICABLE)**

**• Tender Enquiry No: NC-000534-ADMS-17-18**

- Last date of submission of E-bid** : 09.07.2018 up to 12.30 P.M
- Opening of both Technical & Financial Bids** : 09.07.2018 at 02.30 P.M

**Standard E-Tender Terms & Conditions**

1. The details of tender notification can be downloaded from [www.tenderwizard.com/NISER](http://www.tenderwizard.com/NISER) under "**Tender Free View**" link.
2. Vendors should obtain the USER ID and PASSWORD from [www.tenderwizard.com/NISER](http://www.tenderwizard.com/NISER) by clicking on "**REGISTER ME**" link in the homepage.

3. The Vendor registration fee has to be paid to ITI Ltd for Rs. 1180/- including GST. Using the e-payment link provided at the time of registration, and the mode of payments are Credit Card, Debit Card and Internet Banking. Vendor Registration is Valid for 1year.
4. For further details on e-Tender participation, please contact ITI Help desk on
  - Telephone: 080-49352000/9686115318
  - Email: [harishkumar.kb@etenderwizard.com](mailto:harishkumar.kb@etenderwizard.com), [ambasa@etenderwizard.com](mailto:ambasa@etenderwizard.com).
5. Tenders should be submitted only through e-Tender portal and obtain the Tender Acknowledgement copy as a proof of successful submission.

**The Institute can provide following documents.**

1. Custom Duty exemption certificate.
2. GST exemption certificate.

**Stores & Purchase Officer**



**TERMS & CONDITIONS  
FOR SUPPLY AND INSTALLATION OF  
MEDICAL EQUIPMENT  
FOR  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

1. Director, National Institute of Science Education & Research, Jatni (NISER) invites e- tenders for **MEDICAL EQUIPMENT** from the Manufacturer and their authorised reseller only having following credentials.
  - A. Should have satisfactorily completed **similar supply** (at least one of them in Central Government/Central Autonomous Body/Central PSU)
  - B. **Similar or Similar Nature of work means** Supply & Installation **MEDICAL EQUIPMENT** for any of the following :
    - a) **Government/Autonomous Institutions**
    - b) **Government Research Centres**
    - c) **Universities**
    - d) **Autonomous/Reputed Private Research Centres**
    - e) **Purchase Orders / Completion certificates if any, for supporting above requirements.**

The Bidders are requested to give detailed tender in the prescribed forms in Single Bid.

2. **Contact for information:** (Only E-mail enquiries will be entertained)

**For Technical Information of MEDICAL EQUIPMENT:**

**Dr. Biswajit Mishra**

Administration, NISER.

E-mail – Dr. Biswajit Mishra <drbiswajitmishra@niser.ac.in>

**For Information regarding Commercial & all other Terms & Conditions:**

**Mr. Deepak Srivastava**

Stores & Purchase Officer

National Institute of Science Education & Research, Jatni

E-mail- [spo@niser.ac.in](mailto:spo@niser.ac.in)

**3. Supply means:**

“Supply, Installation, Commissioning and satisfactory demonstration of the whole equipments”.

**4. Tender Document:**

- a) Tender documents contain following:
    - i. Detail tender document in word document to read & download only.
    - ii. E-Tender in excel sheet for e-submission.
      - General rules
      - Technical Bid
      - Financial Bid
- All parts are mandatory to fill & submit.

- b) The purpose of certain specific conditions is to get or procure best product/service etc. for NISER. The opinion of Technical Committee shall be the guiding factor for technical short listing.
- c) The earnest money deposit as indicated against the item should be send by post so that it reaches on or before the opening of the technical bid for e-tender system in the form of Account Payee. Bank Draft payable on any branch of Nationalised/Schedule Bank at Bhubaneswar/ Jatni in favour of “Director, National Institute of Science Education & Research, Jatni”, in a separate sealed envelope. All tenders submitted without requisite amount of earnest money shall be rejected and their technical and financial bids shall not be opened. No interest is payable on EMD. The EMD will be returned to the bidders(s)/Agents whose offer is not accepted by NISER within one month from the date of the placing of the final order(s) on the selected bidder(s). In case of the bidder(s) whose offer is accepted the EMD will be returned on submission of Performance Bank Guarantee (if applicable). However, if the return of EMD is delayed for any reason, no interest /penalty shall be payable to the bidders.

**EMD EXEMPTION:**

**PARTIES REGISTERED WITH SSI/DGS&D/DAE AND FOREIGN PARTIES QUOTING DIRECTLY ARE EXEMPTED FROM PAYING EMD. FOREIGN PARTIES QUOTING DIRECTLY UNDER ORIGINAL SEAL AND SIGNATURE (NOT SCANNED) WILL GET THE EXEMPTION. (IF APPLICABLE)**

**The EMD shall be forfeited:**

If the bidder withdraws the bid during the period of bid validity specified in the tender. In case a successful bidder fails to furnish the Performance Bank Guarantee **(if applicable)**.

- a) Undertaking that the successful bidder agrees to give a Performance Bank Guaranty of 10% of the purchase order value in favour of “Director, National Institute of Science Education & Research, Jatni valid till warranty period **(NOT REQUIRED)**).
- b) If the bid is for branded makes, authorization letter from principals clearly indicating that the vendor is the competent authority to sell and provide services towards the items mentioned in the scope of supply given in this tender document.
- c) Copy of GST No. and PAN No. allotted by the concerned authorities.
- d) List of deliverables / Bill of materials and services.
- e) Compliance sheet with any deviation with reference to the terms and specifications.
- f) The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.

**“Commercial Bid” shall contain:**

- a) Price schedule complete in all respects. **Tender with any condition including conditional rebate shall be rejected forthwith.**
- b) Cost of all the items should be mentioned clearly and individually in the Commercial Offer only.
- c) **The Bidders are requested to quote for Educational/Institutional Price for Machine/ Equipment and, since we are eligible for the same.**
- d) **Printed conditions of the vendor submitted with the tender will not be binding on NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH.**

**5. Tender process & award of contract.**

The technical bids will be evaluated to shortlist the eligible bidders. Bidders whose technical offer is found acceptable and meeting the eligibility requirements as specified in this tender will only be consider for price comparison. Recommendation of technical committee will be posted on NISER website.

- ONLY TECHNICALLY accepted competitive bids will be considered for placing Purchase Order.
  - **Purchaser’s Right to vary Quantities at the time of Award:** NISER reserves the right at the time of award of Contract to increase or decrease the quantity of items specified in the Schedule of Requirements without any change in price or other terms and conditions.
6. **The Director NISER reserves the right to accept the offer in full or in parts or reject summarily or partly.**

**7. Delivery Period / Timeliness**

The deliveries, installation must be completed within 60 days, after placement of purchase order. The time is the essence of the contract. It is mandatory for the bidders who respond to this bid to meet these expectations, as they are tightly linked to NISER's plans of completing the project within the time frame.

**8. Locations for the Supply / Services**

The Laboratory Equipments covered by this document is required to be supplied and installed at Health Center of NISER, Jatni.

**9. Order Placement and Release of Payment**

The Purchase Order and payment shall be processed by –

**Stores & Purchase Officer**

**National Institute of Science Education & Research,  
Jatni Campus, P.O. – Bhimpur-Padanpur, Via-Jatni,  
Khurda – 752050, Odisha, INDIA**

Payment for the items to be supplied by the vendor against the purchase order shall be made by National Institute of Science Education & Research as follows:-

**Foreign Currency payment:-**

100% payment will be made through Letter of Credit. 80% will be paid after submission original shipping documents & balance 20% will be released after satisfactory installation, commissioning, warranty certificate.

**INR payment:-**

100% payment to be released after receipt of material, installation and submission of warranty certificate.

**The tenderers who are not agreeing to above payment terms are requested not to submit their tender otherwise their EMD will be forfeited.**

**10. NISER** will not provide any accommodation/transportation for the engineers/ representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the Principal Supplier/Indian Agent to make their own arrangements.

**11. The successful bidder**, on award of contract / order, must send the contract / order acceptance in writing, within 7 days of award of contract / order failing which the EMD will be forfeited.

**12. Period of validity of bids**

- Bids shall be valid for a period of 90 days from the date of opening the Technical bid.
- NISER may ask for the bidder's consent to extend the period of validity. Such request and the response shall be made in writing only. The bidder is free not to accept such request without forfeiting the EMD. A bidder agreeing to the request for extension will not be permitted to modify his bid.
- Bid evaluation will be based on the bid prices without taking into consideration the above corrections.

### 13. Corrupt or Fraudulent Practices

NISER requires that the bidders who wish to bid for this project have highest standards of ethics. NISER will reject a bid if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices while competing for this contract. NISER may declare a vendor ineligible, either indefinitely or for a stated duration, to be awarded a contract if it at any time determines that the vendor has engaged in corrupt and fraudulent practices during the execution of contract.

### 14. Interpretation of the clauses in the Tender Document / Contract Document

In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, Director, NISER's interpretation of the clauses shall be final and binding on all parties.

### 15. Price

- The price quoted shall be considered firm and no price escalation will be permitted at any time. The quotation should be in Indian Rupees or any known foreign currency.
- In case of INR bids the price criteria should be on F.O.R., NISER, Jatni. Govt. Levies like GST, etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, GST, etc., if any.
- Please provide TIN no. of the firm along with the GST No. allotted by the concerned authorities in your quotation.
- In case of Foreign Currency bid: - Price criteria should be FOB nearest airport detail break up of Price, **Agency Commission**, Insurance, Freight up to Kolkata Airport is required.
- NISER may place order at CIP Kolkata Airport basis.

### 16. Pre-installation:

Pre-installation facilities required for installation may please be intimated in the technical bid. Subsequently, before the consignment lands in NISER, Jatni the bidder shall confirm that the pre-installation requirements are sufficient for installation of the equipments. In other words the bidder should continuously monitor the pre-installation requirements and see that everything is ready before the consignment is taken to the site for installation.

### 17. Installation, Warranty & Support

- Bidder shall be responsible for installation / demonstration wherever applicable and for after sales service during the warranty and thereafter.
- The items covered by the schedule of requirement shall carry minimum **one year comprehensive warranty from the date of installation** of the equipment by NISER. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours. The comprehensive warranty includes onsite warranty with parts.
- The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. This includes cost, insurance, freight, custom duty, GST, local taxes if any should be borne by the beneficiary or his agent. A clear confirmation should be given for this item.
- The bidder shall assure the supply of spare parts after warranty is over for maintenance of the equipment supplied if and when required for a period of 05/10 years from the date of supply of equipment on payment on approved price list basis.
- The equipment must be supported by a Service Centre manned by the principal vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, three days a week and 365 days a year. Also it should be possible to contract the Principal's vendor support Centre on a toll free number/web/mail.
- The vendor will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.

## **18. Indemnity**

- The vendor shall indemnify, protect and save NISER against all claims, losses, costs, damages, expenses, action suits and other proceeding, resulting from infringement of any law pertaining to patent, trademarks, copyrights etc. or such other statutory infringements in respect of all the equipment's supplied by him.
- The successful will be fully responsible for payment of wages and other dues as prescribed and compliance of various Labour Laws.
- The successful tender should give an undertaking that the staff deployed at the centre in terms of this contract at all time will be employees of the agency exclusively and they shall not be entitled to any claim of employment or permanency of job with NISER.
- NISER reserves the right to forfeit whole or part of the security money towards any damage/lose caused due to the negligence on the part of the agency engaged.

## **19. Insurance**

The equipment's to be supplied will be insured by the vendor against all risks of loss or damage from the date of shipment till such time it is delivered at NISER site in case of Rupee/Foreign currency transaction.

## **20. Penalty for delayed Services / LD**

As time is the essence of the contract, Delivery period mentioned in the Purchase Order should be strictly adhered to. Otherwise the bidder will forfeit EMD/SD and also LD clause will be applicable /enforced.

If the supplier fails to Supply, Install and Commission the equipment as per specifications mentioned in the order within the due date, the Supplier is liable to pay liquidated damages of 1% of order value per every week of delay subject to a maximum of 10% beyond the due date. Such money will be deducted from any amount due or which may become due to the supplier.

NISER reserves the right to cancel the order in case the delay is more than 30 days Penalties, if any, will be deducted from the EMD.

## **21. Jurisdiction**

If a dispute arises out of or in connection with the contract, or in respect of any defined legal relationship associated therewith or derived there from, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996.

The authority to appoint the arbitrator(S) shall be the International Centre for alternative dispute resolution.

The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR arbitration Rules, 1996.

**Stores & Purchase Officer  
NISER, Jatni**



## **DECLARATION BY THE VENDOR**

It is hereby declared that I/We the undersigned, have read and examined all the terms and conditions etc. of the tender document for which I/We have signed and submitted the tender under proper lawful Power of Attorney. It is also certified that all the terms and conditions of the tender document are fully acceptable to me/us and I/We will abide by the conditions from serial no. 1 to 21 and we have not given any printed conditions beyond the scope of this tender. This is also certified that I/We/our principal manufacturing firm have no objection in signing the purchase contract if the opportunity for the supply of the items against this tender is given to me/us.

Date:

Signature:

Address:

Name:

Designation:

On behalf of:

(Company Seal)



**SUPPLY AND INSTALLATION  
OF  
MEDICAL EQUIPMENTS  
FOR  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

<b>General Information -Self Attested</b>			
<a href="http://www.tenderwizard.com/NISER">www.tenderwizard.com/NISER</a>			
<b>Name of the Vendor</b>		-	
Sl. No.	Basic Information	Please fill details	Page No. with name of the documents attached in support of information required
1	Name of the Company		
2	Full address of company along with Telephone no. Fax no. E-mail address :		
3	Local address of company for communication, if any		
4	Are you a manufacturer or dealer/reseller		
5	If dealer please attach certificate from your principal company clearly showing validity of the certificate		
6	If foreign supplier : Please give details of your Indian authorised partner if any		
7	Annual turnover in last 3 financial years in Rs. Crores. (i) Year 2014-2015 (ii) Year 2015-2016 (iii) Year 2016-2017 Please attach balance sheet		

8	Supply & Installation of "MEDICAL EQUIPMENT" to our tendered of last 3 financial years in State Government or Govt. of India Department(s) /Reputed Organisation(s) (in Nos. and Value) (Please attach list of clients) (i) Year 2014-2015 (ii) Year 2015-2016 (iii) Year 2016-2017 Please attach copy of Purchase Order/ Completion Certificate		
9	GST Registration no. with Place		
10	Income Tax Registration no. with place		
11	Photocopy of EMD		
12	Name and address on whom purchase order will be placed		
13	Bank details of the supplier on which order will be placed		
14	If you are claiming exemption certificate under SSI/DGS&D/DAE, Please attach self attested copy of certificate which should be valid during the tender process		
15	Service centre details & principal vendor support centre		
16	Delivery period :Please mention time of delivery & Installation		
17	Mode of Delivery: For CIP/CIF for foreign currency order		
18	Declaration to be submitted by Vendor		
19	1 Year onsite comprehensive warranty Accepted/ Not accepted		



**TECHNICAL BID  
SUPPLY AND INSTALLATION  
OF  
MEDICAL EQUIPMENT  
FOR  
NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

<a href="http://www.tenderwizard.com/NISER">www.tenderwizard.com/NISER</a>			
Name of the Vendor		-	
SL. No.	Item Specification	Accepted/Not Accepted/Deviation if any. Please specify your specification if deviation is there	Page No. of your specifications/Brochure/ Deviation, etc attached in support of your specification/deviation
	<p>The technical quote must be accompanied by a detailed technical document of the equipment components quoted from OEMs. Description proving compliance to each of the above technical requirement must be clearly highlighted in the said technical document, and the serial number of the related technical point must be noted next to the highlighting. In case the specific information is not present in the document, it must be clearly mentioned with a web-link, where in the website of the OEM such information about the quoted equipment can be found. Failure to satisfy these conditions or unavailability of information to prove the technical features, or incomplete or unclear or false information provided in the technical quote will be grounds for summary disqualification. The onus is on the quoting party to provide all the information required for technical assessment, and such assessment will be carried out solely on the basis of the information</p>		

	provided to NISER in the technical quote.		
	<b>MEDICAL EQUIPMENT</b>		
1	<p><b>Oxygen concentrator (WNC-0009)</b>  Oxygen Concentrator (10 LPM) with standard accessories (Mask, Tubing, Power Cord, Humidifying Bottle, Operational Manual).  Specifications:-  Oxygen Concentration at 6 LPM = 93 %(<math>\pm</math> 3%) and at 10 LPM=90%(<math>\pm</math> 3%)  Litre Flow = 0.5 to 10 Litres per Minute (with setting in 0.5 Litres increment)  Outlet Pressure &gt;10psi (More Than 10psi)  Sound Level= Less than 60 dB  Operating Humidity up to 95% relative Humidity  Startup Time not more than 5 Minutes  Alarm for Power Failure and low oxygen concentration  Power consumption &lt; 350 Watts  Item should be BIS/CE/FDA Approved</p>		
2	<p><b>Patient Multipara Monitor (WNC-0015)</b>  1. Display - Colour TFT / LCD display with 8 wave forms and numeric display simultaneously.  2. Display size - 12 inch or more  3. Battery - In built Lithium-ion type battery for minimum 4 Hrs continuous operations in case of mains failure.  4. Size - Should be compact &amp; portable with carrying handle.  5. Parameter - ECG, SpO<sub>2</sub>, NIBP, Respiration Rate &amp; Temperature for adult, paediatric and neonatal patients.  6. Mode - Adult /Paediatric or Neonate  7. Operation - Should have keys for quick access to main functions.  8. SpO<sub>2</sub> - Saturation Range - 0-100 %</p>		

Resolution - 1 %  
Pulse rate range - 20-30 bpm  
Resolution - 1 bpm  
Probe - Reusable adult and pediatric  
SpO2 finger probes – 1 each  
9. Temperature - Range - 250 to 500  
C  
10. NiBP – Method - Automatic  
Oscillometry  
Unit – mmHg  
Cuff Pressure Range Adult - 10-280  
mm Hg  
Parameter - Systolic, Diastolic, Mean  
BP  
Mode - Auto / Manual  
Cuff size - for standard adult, obese  
adult and neonate - 1 each  
11. ECG - Lead Mode - 5 leads ECG  
input  
Heart rate range - Adult – 10-300  
bpm, Paediatric & Neonate 10-350  
bpm  
Lead selection - I, II, III, aVR, aVL, aVF,  
V  
12. Trend - 48 hours or more  
graphical trend - HR, NiBP, Spo2, PR,  
Resp, Temp  
13. Volume control for beep sound for  
QRS and alarm sound - Should have  
separate volume control for beep  
sound for QRS and alarm sound  
14. Channel - 8 Channel  
15. Electrical requirement and safety -  
Equipment performance should not  
be affected by electromagnetic  
radiated or conducted through power  
lines from another device. Should  
work on 200-240V AC/50Hz with  
inbuilt rechargeable battery. Should  
have safety certificate from a  
competent authority like CE/FDA (US)  
/ STQC CB certificate / STQC S  
certificate or valid detailed electrical  
and functional safety test report from  
ERTL. Copy of the certificate/test  
report shall be produced along with  
the technical bid.  
16. Accessories to be supplied -  
Reusable adult 5 lead ECG cable set –  
1 no, Reusable adult and pediatric  
SpO2 finger probes – 1 each , NIBP  
cuffs for standard Adult, Obese Adult,  
Child and infant – all 1 each

3	<p><b>DEFIBRILLATOR WITH CARDIAC MONITOR (WNC-0016):</b></p> <ol style="list-style-type: none"> <li>1. Biphasic, Manual and AED with voice prompt, compact and light weight</li> <li>2. Energy selection 5J to 300J in steps.</li> <li>3. Momentary energy selection access on front panel.</li> <li>4. Should have adult and pediatric paddles integrated on same handle.</li> <li>5. Momentary charge key on front panel and on the apex hand.</li> <li>6. Monitor should display selected and delivered energy.</li> <li>7. Should have disarm facility.</li> <li>8. Energy should be delivered within 30ms after the detected R wave in synchronization mode.</li> <li>9. Charging time less than 10 seconds for 300J.</li> <li>10. Should have battery backup for 100 discharges of 300J.</li> <li>11. Should have ECG inputs through paddles or 3 lead cables.</li> <li>12. Should have display for selected ECG input source (I, II, III, paddles)</li> <li>13. Lead off message should appear with alert tone.</li> <li>14. Amplitude gain of ECG waveform should be adjustable.</li> <li>15. LCD display of 5.5 inches or more.</li> <li>16. Should have display for heart rate.</li> <li>17. Should have alarm for high and low HR.</li> <li>18. Should have an inbuilt thermal recorder.</li> <li>19. Should have enable/disable option for printer.</li> <li>20. Memory of at least past 100 events.</li> <li>21. Should supply 2 bottle of jelly, 5 roll of thermal paper.</li> <li>22. Should supply three pairs of AED pads.</li> <li>23. Should operate on mains 230V, 50Hz.</li> <li>24. Should have safety certificate from a competent authority CE / FDA (US) /STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test</li> </ol>		
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	<p>report shall be produced along with the technical bid.</p>		
4	<p><b>Foetal Monitors (WNC-0017):</b></p> <ol style="list-style-type: none"> <li>1. Display - Colour TFT LCD</li> <li>2. Display Size - 12 inch or more with tiltable screen</li> <li>3. Battery - In built Lithium-ion type battery for minimum 4 Hrs continuous operations in case of mains failure with auto shut down function.</li> <li>4. Size - Should be compact &amp; portable with carrying handle</li> <li>5. Parameters - Fetal Heart Rate, TOCO, Fetal movement</li> <li>6. Probe frequency - 2-3 MHz</li> <li>7. Speaker - Inbuilt</li> <li>8. Alarm - For variation of parameters</li> <li>9. Storage - 12 hours data storage with playback and print option</li> <li>10. Printer - Inbuilt thermal printer</li> <li>11. FHR - Range - 30-240 bpm Mode - Directional Pulsed Doppler Frequency - 2-3 MHz</li> <li>12. Electrical requirement and safety - Equipment performance should not be affected by electromagnetic radiated or conducted through power lines from another device. Should work on 200-240V AC/50Hz with inbuilt rechargeable battery. Should have safety certificate from a competent authority like CE/FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate/test report shall be produced along with</li> </ol>		



	the technical bid.		
5	<p><b>ECG(WNC-0019):</b></p> <ol style="list-style-type: none"> <li>1. 12 channel ECG recording - Simultaneous 12 channel ECG recording with 12 lead simultaneous acquisition</li> <li>2. Display - Should have a digital display of minimum 5 inches for viewing 12 channel ECG</li> <li>3. Keyboard - Alphanumeric keyboard for entering patient's details.</li> <li>4. Recording Paper Speed - Recording speed should be 25 mm/ sec and 50 mm/ sec.</li> <li>5. Sensitivity - 2.5, 5, 10, 20, 10/5 AGC (mm/mV)</li> <li>6. CMRR and sampling frequency - CMRR should be &gt;90dB or ECG machine should have digital processing with at least 1000 samples per second from each lead wire.</li> <li>7. Measurement and interpretation - Built in ECG parameters measurement and interpretation</li> <li>8. Internal memory - Storage capacity of minimum 100 previous recordings</li> <li>9. Printer and print mode - Support of external achieving device such as USB drive, flash disc SD card must be there.</li> <li>10. Power supply - AC- 100-240 V, 50 Hz. Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.</li> <li>11. Battery - Built in rechargeable Li-ion battery with life of 100 patient recording.</li> <li>12. Accessories - Should be supplied with 2 set of patient cable limb electrodes, chest electrode with silicon rubber bulb. Power cord and any other accessories required must be provided.</li> </ol>		

6	<p><b>Syringe Infusion Pump (WNC-0020):</b>  Fully Microprocessor controlled  Mains cum battery operated with built in battery and charger  Should accept syringe size from 10ml to 60ml  Should have Micro mode and continuous injection mode  Should be compatible with all major Indian and Foreign brand syringes  Should have flow rates from 1ml / HR to 1200 ml/HR  Should have high accuracy  Should have adjustable bolus facility  Bolus rate up to 1000ml/HR with 50/60ml syringe  Should have 3 level occlusion pressure setting  Should have audio visual alarm  Should have battery backup up to 4 Hrs.  Should have anti reverse function to prevent upstream  Should have double CPU to ensure safety and reliability of infusion.</p>		
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7	<p><b>DOUBLE SURFACE PHOTO THERAPY UNIT (WNC-0022):</b>  Phototherapy should be based on advanced CFL tube/LED technology. It should have minimum 8 nos. of medical grade Blue CFL lamps on source modules. For LED technology the irradiance should cover the entire treatment area.  Should have a height adjustable mechanism, treatment distance to the range of 25 to 45 cms should be possible.  Wave length of CFL lamps should be in the range of 420 – 470 nm and irradiance level should be higher than normal blue tube lights.  The unit should provide a minimum of irradiance 10Watts/m2.  The irradiance should be measured and reported to the user institution at the time of installation and thereafter during every subsequent warranty/CMC/AMC visit and all breakdown visits.  Lamp source should be continuous tiltable to ±90 degree angle to cover the entire treatment area.  System should be height adjustable with built-in non resettable timer  Baby bed should be transparent with up / down tiltable facility  Should work with input 200 to 240Vac 50 Hz supply.  Should have safety certificate from a competent authority CE / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Test report from ETDC. Copy of the certificate / test report shall be produced along with the technical bid.  The measurement of irradiance should be demonstrated to the technical committee during product demonstration.</p>		
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**Mobile Shadowless Operation  
Lamp Single Dome Stand Model  
with Castors**

**(WNC-0025):**

LED light - Mobile

- (a) Single dome operating light must be designed for the use in high demanding surgical procedures.
- (b) State-of-the-art LED bulbs should be used to ensure a low energy consumption and a long service life.
- (c) Outer handles at the light head should be provided to allow for non-sterile positioning.
- (d) Light head must be designed with smooth transitions and surfaces, without slots, gaps or exposed screwing to ensure fast and effective cleaning.
- (e) The light head with streamlined shape is favourable within laminar flow.
- (f) The light head must be resistant to disinfectant.
- (g) Third party certification should be preferably attached.
- (h) For sterile positioning an ergonomic, exchangeable and centrally positioned sterile handle within the light head should be provided.
- (i) All main joints of surgical light must be provided with unlimited rotation (360°). Light head and suspension must be sealed dust proof.
- (j) Color temperature should be homogeneous at every illumination intensity.
- (k) The surgical light should be complete with all components and electrical feed-in, incl. finalised installation.
- (l) Control Unit on Light Dome preferably feather touch and Digital.
- (m) Technical data for Dome:
- i) Central illumination intensity at a distance of 1 meter: 60,000 to 100,000 lux
  - ii) Light field diameter at a distance of 1 m: 170-250 mm
  - iii) Depth of illumination not less than 1200 mm

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	<p>iv) Average Color rendering index Ra 94 to 96</p> <p>v) Color rendition index R9 (red) 93</p> <p>vi) Color temperature equal or more than 5000K</p> <p>vii) Adjusting the illumination intensity 25% to 100%</p> <p>viii) Number of LED 40 to 60 units</p> <p>ix) LED with individual lense reflector system</p> <p>x) Service life LED bulbs approx. 30000 hours</p> <p>xi) Replacement of LED single bulbs should be possible</p> <p>xii) Ambient light mode (Endolight/Backlight)</p> <p>xiii) Diameter of light head 550 to 650 mm</p> <p>xiv) Power Supply: 100-240 V (AC)</p> <p>xv) Trolley:</p> <p>I) Width: 700 to 800 mm</p> <p>II) Height adjustment of tubular stand: 350 to 450 mm</p> <p>III) Minimal transport Height: 1800 to 1900 mm</p> <p>IV) Maximal working clearance under light Head: 2150 to 2200 mm</p> <p>V) Spring Arm Swivel range: +/- 15 degree Horizontal</p> <p>(n) Safety Features: a) Protection class acc. to IEC 60601-1</p>		
9	01 Year On-Site Comprehensive Warranty.		



**FINANCIAL BID  
SUPPLY AND INSTALLATION  
OF  
MEDICAL EQUIPMENT  
FOR**

**NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, JATNI  
Notice Inviting E-Tender No. NC-000534-ADMS-17-18**

[www.tenderwizard.com/NISER](http://www.tenderwizard.com/NISER)

<a href="http://www.tenderwizard.com/NISER">www.tenderwizard.com/NISER</a>							
Name of the Vendor							
SL. No.	Item Specification	Qty	Type of Currency	Unit Price FOB in Foreign Currency	Total Price FOB in Foreign Currency	Unit Price in INR for items which supplier will supply from India	Total Price in INR for items which supplier will supply from India
	<b>MEDICAL EQUIPMENT</b>						
1	<b>Oxygen concentrator (WNC-0009):</b> (Detailed technical specifications as per technical bid)	02 Units					
2	<b>Patient Multipara Monitor (WNC-0015):</b> (Detailed technical specifications as per technical bid)	01 Unit					
3	<b>DEFIBRILLATOR WITH CARDIAC MONITOR (WNC-0016):</b> (Detailed technical specifications as per technical bid)	01 Unit					
4	<b>Foetal Monitors (WNC-0017):</b> (Detailed technical specifications as per technical bid)	01 Unit					

5	<b>ECG(WNC-0019):</b> (Detailed technical specifications as per technical bid)	01 Unit					
6	<b>Syringe Infusion Pump (WNC-0020):</b> (Detailed technical specifications as per technical bid)	01 Unit					
7	<b>DOUBLE SURFACE PHOTO THERAPY UNIT (WNC-0022):</b> (Detailed technical specifications as per technical bid)	01 Unit					
8	<b>Mobile Shadowless Operation Lamp Single Dome Stand Model with Castors (WNC-0025):</b> (Detailed technical specifications as per technical bid)	01 Unit					
9	01 Year On-Site Comprehensive Warranty.						
10	Supply & Installation charges						
	<b>Sub-Total</b>				0.00		0.00
	<b>Agency Commission</b>						
	<b>GST Charge If Any</b>						
	<b>CIP/CIF Kolkata Charges</b>						
	<b>Any Other Charges</b>						
	<b>Grand Total</b>				0.00		0.00
	<b>AMC Charges after expiry of warranty (in percentage)</b>						