



Letter No: 467 / CPMU-NUHM- RKL/ 2018-19

Date: 18/02/19

**TENDER CALL NOTICE**

Sealed tender is invited from the bonafide agencies/firms having valid registration certificate for supply of medical equipment & instruments for supply of **Binocular Microscope, Centrifuge Machine, and Colorimeter for the Urban Primary Health Centre under NUHM, Rourkela**. The agency/firms having GSTIN No and having experience to supply the medical equipment & instruments to the Govt. Hospitals. The agency must have updated GST return file documents should apply to the **Office of the ADUPHO, City Programme Management Unit, NUHM, Rourkela Municipal Corporation, Udit Nagar, Rourkela-769012**. The Agency will submit the technical bid documents in **Cover-1** & financial bid documents in **Cover-2**. Both Cover 1 & 2 to be put into main cover which has to be sent to the undersigned. Any deficit of documents in Cover-1 specified above will disqualify the bidder from participating in the tender. The tender will be received through Registered Post/Speed Post/Courier on or before dt. 23/02/19 at 5.00PM. The tender paper must be super scribed as **"Tender for Supply of Equipment/Instrument to CPMU NUHM Rourkela"** The main cover containing both cover- 1& cover-02 should clearly mention tender documents as mentioned above. The Tender will be opened on Dtd- 01/03/19 at 11:30 AM in presence of the bidders or their authorized representatives at Rourkela Municipal Corporation, Rourkela, Room No.18. Those who will qualify technically, financial proposal shall be opened. The bidder/authorized representatives are requested to be present at the time of opening of tender in the office of the undersigned. Absence of bidders/authorized representatives during opening of tender will not lead to postponement tender opening. Authority reserves the right to accept or reject any or all quotations without assigning any reason thereof and negotiate with any or all bidders.

The authority reserves the right to reject or cancel the quotation or any part thereof without assigning any reasons thereof.

Sl No	Name of the item	Brand (Reputed one)	Specification	Rate per unit (To be quoted including all Taxes/GST etc)
1	Binocular Microscope	Olympus	As per the prescribed specification.	
2	Centrifuge Machine			
3	Colorimeter			

*[Signature]*  
18/02/19  
Additional District Urban  
Public Health Officer, Rourkela

Memo No. 468 .....

Date. 18/02/19 .....

Copy to the notice board, RMC, Rourkela/Sub-Collector, Panposh, Rourkela/SDH, Panposh, Rourkela/CDPOs, Rourkela, DIPRO, Rourkela/ADM Office, Rourkela for information to the general public.

*[Signature]*  
18/02/19  
Additional District Urban  
Public Health Officer, Rourkela



OFFICE OF THE ADMO (PH)  
CITY PROGRAMME MANAGEMENT UNIT, NUHM, ROURKELA  
(Department of Health & Family Welfare, Govt. of Odisha)



Letter No: \_\_\_\_\_ / CPMU-NUHM- RKL/ 2018-19 Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Memo No.....469.....

Date.....18/02/19.....

Copy to the DIO,NIC, Sundargarh for favour of information & He/She is requested to upload the invitation of quotation in the district website for wider information to the public.

*for John*  
*18/2/19*  
Additional District Urban  
Public Health Officer, Rourkela

Encl : Terms & Conditions/Specification/ Format for submission of Tender.



OFFICE OF THE ADMO (PH)  
CITY PROGRAMME MANAGEMENT UNIT, NUHM, ROURKELA  
(Department of Health & Family Welfare, Govt. of Odisha)



Letter No: \_\_\_\_\_ / CPMU-NUHM- RKL/ 2018-19

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Terms & Conditions:**

1. The supplier/ agency/firm must be having valid licence for supply of medical equipment & instruments which must be submitted along with the tender paper.
2. The agency having minimum prior experience to supply the medical equipments to the govt hospitals. The copy of the work order must be attached along with tender.
3. The agency should have GSTIN Certificate along with PAN/TAN & other documents. The copy of the same documents to be attached.
4. The bidder will have to quote the rate and other information in the prescribed format along with Demand Draft(DD) of Rs.1000/-(Rupees One Thousand) only as tender paper cost in favour of **City Health Society, NUHM, Rourkela** of any nationalized bank) which is non-refundable.
5. The bidder will have to quote the rate and other information in the prescribed format along with Demand Draft(DD) of Rs.10,000/-(Rupees Ten Thousand) only as tender paper cost in favour of **City Health Society, NUHM, Rourkela** of any nationalized bank) which is re-fundable.
6. The goods to be delivered within the 15 days of issue of the work order in good condition at the CPMU,NUHM,Rourkela. No transportation cost to be borne by the undersigned.
7. Penalty for delay in delivery of goods as per the procurement norm will be implemented if the supplier fails to deliver within the given timeline.
8. The payment will be made through Cheque/e-transfer-DBT within 07 days of supply of the goods with original bill, challan, and warranty paper.
9. The rate contract will be valid for one year from the date of supply order.
10. The quantity & quality of the goods as per the specification and order to be maintained. No deviation will be entertained.
11. Non-submission of any requisite information/documents will disqualify the agency during the verification process.

**Specifications: (Refer to the Scanned Copy) attached separately.**



OFFICE OF THE ADMO (PH)  
CITY PROGRAMME MANAGEMENT UNIT, NUHM, ROURKELA  
(Department of Health & Family Welfare, Govt. of Odisha)



Letter No: \_\_\_\_\_ / CPMU-NUHM- RKL/ 2018-19

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**TECHNICAL BID**  
(To be submitted in COVER-1)

**List of documents attached**

Sl No.	Name of document attached	Submitted (Yes/No)	Verification (Yes/No)
1	Name of the Firm/Agency		
2	Registration no. of the Firm/Company Year of Registration : ( Furnish Photocopy of Firm/company registration certificate)		
3	Registered office Address of the firm /Agency Telephone No . Email ID :		
4	Name of authorized signatory (in block letters)		
5	Specimen signature of authorized signatory		
6	Telephone number of authorized signatory Firm /Agency :		
7	Bank Draft of Tender Paper Cost (Rs.1000.00)(Name of Bank & date of EMD)		
8	Bank Draft of EMD (Rs.10,000/-)(Name of Bank & date of EMD)		
9	PAN ( Furnish Photocopy of PAN Card)		
10.	TAN ( Furnish Photocopy of TAN Card)		
11.	GSTN ( Furnish Photocopy of GST registration certificate)		

**DECLARATION**

I hereby certified that the terms and conditions, specification etc. given with the tender notice have been read carefully and acceptable to me and that the information furnished above is full and correct to the best of my knowledge. I understand that in case of any deviation in the above statement at any state, the Firm/Agency will be blacklisted and will not have any dealing in future.

(Signature and seal of the Authorized signatory)

Place:

## 14-Bionacular Microscope

MEDICAL DEVICE SPECIFICATION (Including Information on the following where relevant/appropriate, but not limited to)		
		<b>Binocular Microscope</b>
Version no. :		1
Date:		12-05-2014
Done by : (name / institution)		HCT/NHSRC
NAME AND CODING		
GMDN name		<b>Binocular Microscope</b>
GMDN code(s)		NA
GENERAL		
<b>1</b>		<b>USE</b>
1.1	Clinical purpose	Binocular microscope is simply a microscope that lets the viewer use both eyes. The microscope has 2 eye lenses. The development of the double eye piece microscope was adapted to reduce the eyestrain and muscular strain that typically results from traditional microscopes.
1.2	Used by clinical department/ward	Cinical labs
TECHNICAL		
<b>2</b>		<b>TECHNICAL CHARACTERISTICS</b>
2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> <li>1. Body-Single mould sturdy stand, inclined Binocular body 30 °, 360° rotatable head</li> <li>2. Eyepieces-Highest quality 10 X/20mm wide angle anti fungus field eyepiece. one with pointer. Diopter adjustment must be present on both eye pieces.</li> <li>3. Objectives-Parfocal, antifungus coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centred even if their position on turret is changed.</li> <li>4. Optical system-Infinity corrected</li> <li>5. Stage - Double plate rackless horizontal mechanical stage preferably 100 x 140 mm with fine vernier graduations designed with convenient coaxial adjustment for slide manipulation preferably through 30 x 70 mm double slide holder</li> <li>6. Sub stage-Abbe condenser focusable, continuously variable iris diaphragm</li> <li>7. Illuminator-Built-in LED light source with white light with intensity control and LED life of more than 10,000 Hrs.</li> <li>8. Finish-A durable textured acid resistant finish.</li> <li>9. Battrey backup : minimum 1 Hour</li> <li>10. Nose piece: Backward tilted revolving nose piece suitable to acomodate four objectives with click stop and rubber grip.</li> <li>11. Focussing: Coaxial coarse and fine focussing knob, capable of smooth, fine focussing movement sensitivity; minimum: 300 micron; focussing stop for slide safety</li> </ol>
2.2	User's interface	Manual
2.3	Software and/or standard of	NA

	communication(whenever required)	
3	<b>PHYSICAL CHARACTERISTICS</b>	
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Capacity	NA
3.4	Noise (in dBA)	NA
3.5	Heat dissipation	NA
3.6	Mobility, portability	Portable
4	<b>ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)</b>	
4.1	Power Requirements	Input voltage- single/3-phase
4.2	Battery operated	No
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Pressure gauge	NA
4.5	Operating pressure	NA
4.6	Sterilizing pressure	NA
4.7	Protection	Should have over-charging cut-off with visual symbol.
4.8	Power consumption	less than 2 W
5	<b>ACCESSORIES, SPARE PARTS, CONSUMABLES</b>	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	Should provide with wooden storage box, dust cover, immersion oil.

**BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS**

6 ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS		
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	1) Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. 2) Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	1) Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. 2) Sterilization not required.
7 STANDARDS AND SAFETY		
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type); Local and/or international	1. Should be FDA/CE/BIS approved product. 2. Manufacturer and Supplier should have ISO 13485 certification for quality standards. 3. Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) 4. Certified to be compliant with IEC 61010-1, IEC 61010-2-40 for safety.
7.2	Local and/or international	Manufacturer / supplier should have ISO certificate for quality standard.
8 TRAINING AND INSTALLATION		
8.1	Pre-installation requirements: nature, values, quality, tolerance	1) Availability of 5 amp socket; 2) Safety and operation check before handover;
8.2	Requirements for sign-off	Certificate of calibration and inspection from the manufacturer
8.3	Training of staff (medical, paramedical, technicians)	1) Training of users on operation and basic maintenance; 2) Advanced maintenance tasks required shall be documented

9			WARRANTY AND MAINTENANCE		
9.1	Warranty	3 years			
9.2	Maintenance tasks	CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration.			
9.3	Service contract clauses, including prices	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;			
10			DOCUMENTATION		
10.1	Operating manuals, service manuals, other manuals	Should provide 2 sets(hardcopy and soft-copy) of:- 1)User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams; 2)List of equipment and procedures required for local calibration and routine maintenance; 3)Service and operation manuals (original and copy) to be provided; 4)Advanced maintenance tasks documentation; 5)Certificate of calibration and inspection			
10.2	Other accompanying documents	List of important spares and accessories, with their part numbers and cost;			
11			NOTES		
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;			
11.2	Recommendations or warnings	Any warning signs would be adequately displayed			

**15-Centrifuge**

MEDICAL DEVICE SPECIFICATION (Including Information on the following where relevant/appropriate, but not limited to)		
<b>Centrifuge</b>		
Version no. :		1
Date:		12-05-2014
Done by : (name / institution)		HCT/NHSRC
<b>NAME AND CODING</b>		
GMDN name		<b>Centrifuge</b>
GMDN code(s)		NA
<b>GENERAL</b>		
<b>1</b>	<b>USE</b>	
1.1	Clinical purpose	Used in Biochemical and Analytical labs for Hematocrit, blood Corpusule percentage, Serum Analysis , Precipitate Seperation and Blood Group matching.
1.2	Used by clinical department/ward	Analytical Laboratories
<b>TECHNICAL</b>		
<b>2</b>	<b>TECHNICAL CHARACTERISTICS</b>	
2.1	Technical characteristics (specific to this type of device)	<ol style="list-style-type: none"> <li>1. <b>Speed:</b> Maximum Range 4000 to 6000 RPM</li> <li>2. <b>Receprocating Centrifugal force (RCF):</b> 3000 to 3500</li> <li>3. <b>Minimum Capacity:</b> 240 ml</li> <li>4. <b>Digital Timer range:</b> 0 to 59 minutes</li> <li>5. Auto Lid interlock to prevent opening while running centrifuge with emergency lidlock release</li> <li>6. Motor imbalance detector feature - desirable</li> <li>7. Microprocessor with digital display</li> <li>8. Dynamic break for quick deacceleration</li> <li>9. Stainless steel Chamber easy to clean</li> <li>10. Hinges to prevent door falling</li> <li>11. Rotor Sizes: 16 x 15ml.</li> <li>12. Rotors should be autoclavable</li> </ol>
2.2	User's interface	Manual
2.3	Software and/or standard of communication(where ever required)	NA
<b>3</b>	<b>PHYSICAL CHARACTERISTICS</b>	
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	NA
3.3	Capacity	120 ml or above
3.4	Noise (in dBA)	NA

3.5	Heat dissipation	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability	Portable
4	<b>ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)</b>	
4.1	Power Requirements	220-240 V/50Hz
4.2	Battery operated	No
4.3	Protection	NA
4.4	Power consumption	400 to 500 Watts
5	<b>ACCESSORIES, SPARE PARTS, CONSUMABLES</b>	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	Rubber adapter should be provider for the use of vacutainer for 3ml and 5ml
<b>BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b>		
6	<b>ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATONS</b>	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. 2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	1)Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. 2)Sterilization not required.
7	<b>STANDARDS AND SAFETY</b>	
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international	1.Should be FDA/CE/BIS approved product. 2.Manufacturer and Supplier should have ISO 13485 certification for quality standards. 3.Electrical safety conforms to the standards for electrical safety IEC 60601-General requirements(or equivalent BIS Standard) 5.Shall meet internationally recognised for Electromagnetic Compatibility(EMC) for electromedical equipment: 61326-1. 6.Certified to be compliant with IEC 61010-1,IEC 61010-2-40 for safety.
7.2	Local and/or international	Manufacturer / supplier should have ISO certificate for quality standard.
8	<b>TRAINING AND INSTALLATION</b>	
8.1	Pre-installation requirements: nature, values, quality, tolerance	1)Availability of 5 amp socket; 2)Safety and operation check before handover;
8.2	Requirements for sign-off	Certificate of calibration and inspection from the manufacturer

8.3	Training of staff (medical, paramedical, technicians)	1) Training of users on operation and basic maintenance; 2) Advanced maintenance tasks required shall be documented
9	<b>WARRANTY AND MAINTENANCE</b>	
9.1	Warranty	3 years
9.2	Maintenance tasks	CMC 5 years 2 PM Visits Annually. All Breakdown calls to be attended within 24 hrs of registration.
9.3	Service contract clauses, including prices	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;
10	<b>DOCUMENTATION</b>	
10.1	Operating manuals, service manuals, other manuals	Should provide 2 sets (hardcopy and soft-copy) of:- 1) User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams; 2) List of equipment and procedures required for local calibration and routine maintenance; 3) Service and operation manuals (original and copy) to be provided; 4) Advanced maintenance tasks documentation; 5) Certificate of calibration and inspection
10.2	Other accompanying documents	List of important spares and accessories, with their part numbers and cost;
11	<b>NOTES</b>	
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;
11.2	Recommendations or warnings	Any warning signs would be adequately displayed

**13-Colorimeter**

MEDICAL DEVICE SPECIFICATION (Including Information on the following where relevant/appropriate, but not limited to)		
		<b>Colorimeter</b>
Version no. :		1
Date:		12-05-2014
Done by : (name / institution)		HCT/NHSRC
NAME AND CODING		
GMDN name		<b>Colorimeter</b>
GMDN code(s)		NA
GENERAL		
1		<b>USE</b>
1.1	Clinical purpose	It is used to determine the concentration of colored compounds in solution. A colorimeter is a device used to test the concentration of a solution by measuring its absorbance of a specific wavelength of light.
1.2	Used by clinical department/ward	Clinical Laboratory
TECHNICAL		
2		<b>TECHNICAL CHARACTERISTICS</b>
2.1	Technical characteristics (specific to this type of device)	1. Should have 5 no of filters for standard wave length from 400 nm to 700 nm. 2. Should have upto 3 decimal calibrated directly in optical density. 3. Detector should be encased spill proof photocell 4. Should have facilities for concentration, calculation, percentage transmission and optical density. 5. Should have Detector Silicone photo-diode 6. Filter : Optical filter (420nm,460nm,510nm,540nm,600nm) 7. Light source : Bright Intensity LED/Halogen 8. Display : LCD/LED display 9. 3 Red LEDs for selected function(T%/ABS/CONC) 10. Photometric Range 0-2.0 11. maximum reaction volume required 1 mL
2.2	User's interface	Manual
2.3	Software and/or standard of communication(where ever required)	NA
3		<b>PHYSICAL CHARACTERISTICS</b>
3.1	Dimensions (metric)	NA
3.2	Weight (lbs, kg)	less than 3 kg
3.3	Capacity	NA
3.4	Noise (in dBA)	NA

3.5	Heat dissipation	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability	Fixed Lab installation
4	<b>ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)</b>	
4.1	Power Requirements	230V, 50Hz AC
4.2	Battery operated	No
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Protection	NA
4.5	Power consumption	
5	<b>ACCESSORIES, SPARE PARTS, CONSUMABLES</b>	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	1)Filter case : 1 pc 2)Filter (420nm,460nm,510nm,540,600nm): 5 pcs; Lamp/Light source 3)Square cuvette : 4 pcs (glass) 4)Round cuvette : 4 pcs (glass) 5)Cuvette adaptor : 1 pc 6)Analog output cable : 1 pc 7) Open System
<b>BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b>		
6	<b>ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS</b>	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. 2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
6.2	User's care, Cleaning, Disinfection & Sterility issues	1)Disinfection: Parts of the Device that are designed to come into contact with the patient or the operator should either be capable of easy disinfection or be protected by a single use/disposable cover. 2)Sterilization not required.
7	<b>STANDARDS AND SAFETY</b>	
7.1	Certificates (pre-market, sanitary, ..); Performance and safety standards (specific to the device type);Local and/or international	1.Should be FDA/CE/BIS approved product. 2.Manufacturer and Supplier should have ISO 13485/US(FDA)/EU(CE) certification for quality standards. 3.Shall meet internationally recognised for Electromagnetic Compatibility(EMC) for electromedical equipment: 61326-1. 4.Certified to be compliant with IEC 61010-1, IEC 61010-2-281, IEC 61010-101 for safety.
7.2	Local and/or international	Manufacturer / supplier should have ISO certificate for quality standard.
8	<b>TRAINING AND INSTALLATION</b>	

3.5	Heat dissipation	Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism
3.6	Mobility, portability	Fixed Lab installation
4	<b>ENERGY SOURCE (electricity, UPS, solar, gas, water, CO2 ....)</b>	
4.1	Power Requirements	230V, 50Hz AC
4.2	Battery operated	No
4.3	Tolerance (to variations, shutdowns)	NA
4.4	Protection	NA
4.5	Power consumption	
5	<b>ACCESSORIES, SPARE PARTS, CONSUMABLES</b>	
5.1	Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)	1)Filter case : 1 pc 2)Filter (420nm,460nm,510nm,540,600nm): 5 pcs; Lamp/Light source 3)Square cuvette : 4 pcs (glass) 4)Round cuvette : 4 pcs (glass) 5)Cuvette adaptor : 1 pc 6)Analog output cable : 1 pc 7) Open System
<b>BIDDING / PROCUREMENT TERMS / DONATION REQUIREMENTS</b>		
6	<b>ENVIRONMENTAL AND DEPARTMENTAL CONSIDERATIONS</b>	
6.1	Atmosphere / Ambiance (air conditioning, humidity, dust ...)	1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 50 deg C and relative humidity of 15 to 90% in ideal circumstances. 2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.
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7.2	Local and/or international	Manufacturer / supplier should have ISO certificate for quality standard.
8	<b>TRAINING AND INSTALLATION</b>	

8.1	Pre-installation requirements : nature, values, quality, tolerance	1)Availability of 5 amp socket; 2)Safety and operation check before handover;
8.2	Requirements for sign-off	Certificate of calibration and inspection from the manufacturer
8.3	Training of staff (medical, paramedical, technicians)	1)Training of users on operation and basic maintenance; 2)Advanced maintenance tasks required shall be documented
9	WARRANTY AND MAINTENANCE	
9.1	Warranty	3 years
9.2	Maintenance tasks	
9.3	Service contract clauses, including prices	The spare price list of all spares and accessories (including minor) required for maintenance and repairs in future after guarantee / warranty period should be attached;
10	DOCUMENTATION	
10.1	Operating manuals, service manuals, other manuals	Should provide 2 sets(hardcopy and soft-copy) of:- 1)User, technical and maintenance manuals to be supplied in english/hindi language along with machine diagrams; 2)List of equipment and procedures required for local calibration and routine maintenance; 3)Service and operation manuals (original and copy) to be provided; 4)Advanced maintenance tasks documentation; 5)Certificate of calibration and inspection
10.2	Other accompanying documents	List of important spares and accessories, with their part numbers and cost;
11	NOTES	
11.1	Service Support Contact details (Hierarchy Wise; including a toll free/landline number)	Contact details of manufacturer, supplier and local service agent to be provided; Any Contract (AMC/CMC/add-hoc) to be declared by the manufacturer;
11.2	Recommendations or warnings	Any warning signs would be adequately displayed

ଭାକ୍ତଚରଣା ଉପକରଣ ନିମନ୍ତେ ବିକ୍ରମ

ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ ଶ୍ରୀ

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