

TENDER DOCUMENT FOR



*SUPPLY OF MEDICAL EQUIPMENT
CARDIAC DEFIBRILLATOR*

NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH

(Ministry of Earth Sciences, Govt. Of India)

Headland Sada, Vasco-da-Gama

GOA -403 804, INDIA.

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NATIONAL CENTRE FOR ANTARCTIC & OCEAN RESEARCH
(Ministry of Earth Sciences, Govt. Of India),
HEADLAND SADA, VASCO-DA-GAMA,
GOA - 403 804

TENDER NO. NCAOR/AES-11192/PT-36
TENDER FOR MEDICAL EQUIPMENT (CARDIAC DEFIBRILLATOR)

1.	SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR Quantity- Specification-	2 Pc As per Annexure I
2.	General Terms and Conditions	As per Annexure II
3.	Cost of Tender Documents (In Person)	₹ 500.00
4.	Cost of Tender Documents (By Post)	₹ 550.00 Tender documents can be downloaded by tenderers from NCAOR website. In case a tenderer is using the documents and forms downloaded from the website, the cost of tender documents shall be sent in the form of Bank Draft in a separate envelope along with the tender.
6.	Last Date and time for issue of tender documents	MONDAY 10.11.2014 1600Hrs (IST)
7.	Last Date and time for submission of sealed quotations	TUESDAY 11.11.2014 1700Hrs (IST)
8.	Date and time of tender opening	WEDNESDAY 12.11.2014 1000Hrs (IST)

Specifications for Defibrillator with Monitor	
UNSPSC Code: 42172101	
ECRI Code: 17-116	
1. Description of Function	
1.1	Defibrillator is required for reviving the heart functions by providing selected quantum of electrical shocks with facility for monitoring vital parameters.
2. Operational Requirements	
2.1	Defibrillator should be Bi-Phasic, light weight (<8kg) and latest model
2.2	Should monitor vital parameters (ECG, NIBP, HR, SPO2 and EtCO2 [Optional] and display them
2.3	Should print the ECG on thermal recorders.
2.4	Should work on Manual and Automated external defibrillation (AED) mode. Manual selection maximum upto 360 J.
2.5	Should be capable of doing synchronised & asynchronised cardioversion
2.6	Can be operated from mains as well as battery
2.7	Should have defibrillator testing facility (?)
2.8	Demonstration of the equipment is essential
3. Technical Specifications	
3.1	Should be a Low Energy Biphasic defibrillator monitor with recorder, within a maximum energy of 360 Joules
3.2	Should monitor ECG through paddles, pads and monitoring electrodes and Defibrillate through pads and paddles. Should have Automatic Lead switching to see patient ECG through paddles or leads
3.3	Should measure and compensate for chest impedance for a range of 25 to 150ohms
3.4	Should have a built in 50mm strip printer/thermal recorder
3.5	Should have charging time of less than 5 seconds for maximum energy. Charging indicator should be there.
3.6	Should have Display-TFT coloured LCD at least 8" diagonal for viewing messages and ECG waveform of 5 seconds
3.7	Should have external paddles with paddles contact indicator-for good paddle contact. Both Adult and pediatric paddles should be available
3.8	Should have event summary facility for recording and printing at least 250 events and 50 waveforms
3.9	Should have a battery capable of usage for atleast 120 minutes and/or 30 discharges.
3.10	Should be capable of printing Reports on Event summary, configuration, Self test, battery capacity etc.
3.11	Should have facility for self test/check before usage and set up function
3.12	Should have SPO2 and NIBP integrated facility, ETCO2 (optional)
3.13	Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments 5-10 J till 50 and up to a maximum of 50J thereafter.
3.14	Should have user friendly 1,2,3 color coded operation
4 System Configuration Accessories, spares and consumables	
4.1	Defibrillator-01
4.2	Paddles Adult (Pair)-01
4.3	Patient cable -02
4.4	ECG Rolls -50
4.5	Disposable pads -10 nos
4.6	NIBP Cuff Adult-04
4.7	SPO2 Finger Probe-Adult-04
4.8	Complete set of ECG Leads-02
5 Environmental factors	
5.1	The unit shall be capable of operating continuously in ambient temperature of 0-50°C and relative humidity of 15-90%
5.2	The unit shall be capable of being stored continuously in ambient temperature of -20-60°C and relative humidity of 15-90%

5.3	Shall meet IEC-60601-1-2 : 2001 (Or Equivalent BIS) General Requirements of safety for Electromagnetic Compatibility.
6 Power Supply	
6.1	Power input to be 220-240VAC, 50 Hz
6.2	Resettable overcurrent breaker shall be fitted for protection
7 Standards, Safety and Training	
7.1	Should be FDA or CE approved product
7.2	Electrical safety conforms to standards for electrical safety IEC-60601-1 General Requirements and IEC-60601-2-25 Safety of Electrocardiograms (OR EQUIVALENT BIS Standard)
7.3	Drop Test-Withstands 1 meter drop to any edge, corner or surface
7.4	Should conform to international; test protocols on exposure to shock forces and to vibration forces. The standard should be documented.
7.5	Should meet IEC 529 Level-2 (IP2X) for enclosure protection solid foreign object ingress.
7.6	Should meet IEC 529 Level-3 (IP3X) (Spraying water) for enclosure protection, water ingress.
7.7	Should have local service facility. The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintenance test as per guidelines provided in the service/maintenance manual.
7.8	Comprehensive warranty for 5 years and provision of CMC for next 5 years.
8 Documentation	
8.1	User Manual in English
8.2	Service manual in English
8.3	List of important spare parts and accessories with their part number and costing
8.4	Certificate of calibration and inspection from factory.
8.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out
8.6	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.
8.7	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.

TECHNICAL COMPLIANCE STATEMENT FOR SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR

SR. NO.	SPECIFICATIONS FOR SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR	COMPLIED/ NOT COMPLIED	EXTRA FEATURES
Specifications for Defibrillator with Monitor			
UNSPSC Code: 42172101 ECRI Code: 17-116			
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3.10	Should be capable of printing Reports on Event summary, configuration, Self test, battery capacity etc.		
3.11	Should have facility for self test/check before usage and set up function		
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3.13	Should be capable of delivering energy in increments of 1-2 joules up to 10J and increments 5-10 J till 50 and up to a maximum of 50J thereafter.		
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8.3	List of important spare parts and accessories with their part number and costing		
8.4	Certificate of calibration and inspection from factory.		
8.5	Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out		
8.6	List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service/technical manual.		
8.7	Compliance Report to be submitted in a tabulated and point wise manner clearly mentioning the page/para number of original catalogue/data sheet. Any point, if not substantiated with authenticated catalogue/manual, will not be considered.		

TERMS AND CONDITIONS FOR SUBMISSION OF QUOTATION

- 1) The National Centre for Antarctic and Ocean Research (NCAOR) **invites sealed quotation** from the reputed firms for the **“SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR”** at NCAOR, GOA as per the specification given in Annexure “I”.
- 2) The bids should be submitted in sealed cover, super scribing tender for **“SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR”**, sealed and addressed to the Director, National Centre for Antarctic & Ocean Research, Headland Sada, Vasco-da-Gama, Goa – 403 804. **Offer sent through fax will not be accepted.**
- 3) Overwriting and corrections should be attested properly. The bid should be complete in all respects and should be duly signed. **Incomplete and unsigned bids will not be considered at all.**
- 4) All relevant technical literature pertain to items quoted **with full specifications** (Drawing, if any), information about the products quoted, including brochures if any should accompany the quotation.
- 5) A list of **reputed clients** to whom the firm has supplied similar items to be furnished along-with the quotation.
- 6) Quotation should be **valid for a period of 90 days** from the date of tender opening and the period of delivery required should also be clearly indicated. If the supplier fails to deliver the goods within the time to be agreed upon, for delayed deliveries and for delays in installation (wherever applicable) NCAOR reserves the right to **levy liquidated damages** at the rate of 0.5% per week or part their of up to maximum of 5%.
- 7) Please **specify the Make/Brand** and Name of the Manufacturer with address, country of origin and currency in which rates are quoted.
- 8) **The order acknowledgement** should be from the principals and if the Indian Agent is empowered to quote and to furnish order acknowledgement, a copy of agreement entered by you with the Indian Agent to be furnished.
- 9) **Compliance Statement:** Equipments point-by-point comparison/compliance statement with **technical specification** indicated in the tender, should be enclosed along with your tender as well as any other extra features of the equipment be shown separately therein and also **compliance statement for all commercial terms** of the tender document.
- 10) NCAOR is not entitled to issue form **“C/D”**. No Sales Tax or any other Tax shall be payable by us unless payment of the same is specifically mentioned by the suppliers in their bids and same is legally leviable.
- 11) To avail duty concessions i.e. **Excise Duty** as per Govt. notification 10/97 & **Custom Duty** as per Govt. notification 51/96, NCAOR will provide exemption certificates . Hence, the rates should be split into basic cost and Excise Duty if any.
- 12) **Bid should contain** all details and specifications, delivery schedule, payment terms, user-list details of the price(s) of the item(s).
- 13) Quotation should be submitted on FOR, Goa.
- 14) Warranty period should be indicated.
- 15) The supplier will be responsible for and should cover, Insurance for all transit risk.
- 16) A Committee constituted by the Director, NCAOR for the purpose reserves the right to open the

bids. Bids will be opened on the date and time mentioned in the tender document in the presence of tenderer.

- 17) A technical Committee constituted by the Director will assess the product supplied/installed for their quality and their conformity to the specifications provided by the firm in their quotations. Any item(s) identified by the Committee to be not as per the specifications or are found to be of inferior quality will be rejected, and the bills towards the supply will not be processed for payment till proper replacements are provided.
- 18) **No advance payment** will be made. Payment for indigenous stores shall be made within 30 days from the date of receipt, acceptance and satisfactory installation of equipment.
- 19) **The submission of tender** shall be deemed to be an admission on the part of the tenderer, had fully acquainted with the specifications, drawings etc. and no claim other than what stated in the tender shall be paid in the event of award of Purchase Order.
- 20) **Acceptance of this tender** form and submission of the quote within the stipulated time would be treated as:
 - a) The tenderer has understood all requirements as described in our Tender document.
 - b) Acceptance to provide/establish all the facilities mentioned in our tender without any price escalation, if the tenderer finds it necessary to add any hardware or software or any other materials during implementation.
 - c) Agreeing to execute order to the satisfaction of NCAOR or its authorized representatives within the stipulated time.
- 21) NCAOR will not be liable for any obligation until such time NCAOR has communicated to the successful bidder of its decision to release the Purchase Order.
- 22) **NCAOR will not be responsible for any postal delays.**
- 23) Bidders shall note that NCAOR will not entertain any correspondence or queries on the status of the offers received against this Tender Invitation.
- 24) Tenders from Manufacturers/Suppliers/Tenderers whose performance was not satisfactory in respect of quality of supplies and delivery schedules in any organizations, are liable for rejection. The tenders that do not comply with the above criteria and other terms & conditions are liable for rejection.
- 25) The Director, NCAOR does not bind to accept the lowest quotation and reserves the right to himself, to reject or partly accept any or all the quotations received without assigning any reason.

QUESTIONNAIRE

- a. **Name of the Manufacturer / Tenderer.**
- b. **Full postal address with Telephone, Telefax, Email.**
- c. **Please specify whether Public Limited, Company, Private Organization or Partnership Firm.**
- d. **Nature of the Business.**
- e. **Date of Establishment.**
- f. **Present Turnover.**
- g. **Permanent Income Tax Ref. No.**
- h. **C.S.T. / S.T. NO.**
- i. **Address & Telephone Nos. Of your branch office in GOA (please specify whether Distributing/Servicing/Marketing the products).**
- j. **Reference of reputed Customers.**
- k. **Details of the highest order executed and value thereof.**
- l. **Tender fee submitted/enclosed.**
- m. **Technical Specifications/Literature/Brochure attached.**
- n. **Tender Acceptance.**

TENDER ACCEPTANCE UNDERTAKING

To

The Director,
NCAOR, Headland Sada,
Vasco – Goa.

Having examined the tender document for **SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR**, we the undersigned hereby offer to supply the equipment in conformity with all specifications and conditions set out in the tender document.

We enclosed all the relevant documents as per the tender.

We understand that you are not bound to accept the lowest or any tender received.

Date :

(Signature of Bidder)

Name :

Designation :

Seal

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PUBLIC TENDER

Director, National Centre for Antarctic & Ocean Research (NCAOR) invites sealed tender super scribing Tender No. Item and due date from well established/ reputed manufacturers / authorized and bonafide vendors for supply of the following:-

Sl. No.	Tender No.	Item Description	Qty.	Cost of Tender Doc. ₹	EMD ₹
1	NCAOR/AES-11192/PT-36	SUPPLY OF BPL INDIA CARDIAC DEFIBRILLATOR	02 Pcs	500.00	--
2	NCAOR/AES-11192/PT-37	SUPPLY OF ECG MACHINE & ACCESSORIES	02 Pcs	500.00	--
3	NCAOR/AES-11192/PT-38	SUPPLY OF PORTABLE DIGITAL 300 MA X-RAY MACHINE	1 Pc	500.00	15,000.00

Last date for issue of tender documents : **10.11.2014**

Last date for submission of quotation : **11.11.2014**

The details of tender documents are also available in our website <http://www.ncaor.gov.in> and Central Public Procurement Portal <http://eprocure.gov.in>. Interested suppliers may download the details and submit the quotation on or before the due date along with tender fee.

The quotation without tender fee will not be considered.

Tender forms can be obtained from the Procurement section of NCAOR on all working days either by post or in person between 1000 – 1600 hours on payment of tender fees in the form of crossed Demand Draft payable at Vasco-da-gama only, from a Nationalized bank drawn in favor of NCAOR along with separate requisition indicating tender number and item. Tender forms can be obtained by speed post by remitting ₹ 50/- by bidders in addition to the cost of tender documents.

The Director, NCAOR is not responsible for any transitional/postal delays.

The quotations will be **opened on 12.11.2014** in the presence of tenderers or their authorized representatives.

The Director, NCAOR reserves the right to accept or reject any quotation in full or part thereof without assigning any reason.

Sd/-
For & on behalf of NCAOR