



केंद्रीय आयुर्वेद अनुसंधान संस्थान  
CENTRAL AYURVEDA RESEARCH INSTITUTE

(Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH, Govt. of India)  
# 12, Uttarahalli Manavarthe Kaval, Uttarahalli (Hobli), Bangalore South (Tq.)  
Kanakapura Main Road, Talaghattapura post, Bengaluru-560 109  
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6-60/(2016)2021/RARIMD/BNG/CoE/ 1986

Date: 02-12-2023

**Sub:** Tender for Supply, Installation & Commissioning of General Radiology USG machine

Sealed quotations are invited from authorized vendors of Original Equipment Manufacturers (OEMs) for supply of General Radiology USG machine as per the specifications given at **Annexure – II**.

2. General information about the tender.

a)	Tender Document/file No	6-60/(2016)2021/RARIMD/BNG/CoE/ Date: 02-12-2023
b)	Last date & time for receipt of Tender	23-12-2023
c)	Date of opening of Technical Bid	26-12-2023
d)	Date of opening of the Financial Bid	26-12-2023
e)	Time allowed for supply	09-01-2024
f)	Cost of Tender	Rs.1000.00
g)	EMD	Rs.30,000.00
h)	Place of opening of Tenders	Meeting room, CARI, No.12, Utharahalli, Manavarthe kaval, Bangalore-560 109 at 3 PM.

- Tender shall be submitted clearly super scribing on the sealed envelope "Bid for USG machine". The sealed Tenders may be sent by speed/registered post or delivered by hand to reach the above address by due date and time to the Assistant Director (Ay.) In-charge, CARI, No.12, Utharahalli, Manavarthe kaval, Kanakapura Road, Bangalore-560 109.
- The tender document can be downloaded from [cari.gov.in](http://cari.gov.in) or [www.ccras.nic.in](http://www.ccras.nic.in) or can be collected from this office during the working days from 10.00 a.m. to 04 p.m.
- Earnest Money Deposit: The bidders shall furnish EMD of Rs. 30,000.00 and Tender cost of Rs. 1,000.00 in favour of Central Ayurveda Research Institute, Bangalore, A/c. No. 10509595790 (IFSC code: SBIN0040653) Branch: Raghuvana halli, Bangalore, through DD/net banking.
- Firms participating in the Tender should submit two bids i.e. Technical and Financial bid.
- Technical Bid (Envelop A) and financial Bid (Envelop B) should be kept separately in the sealed envelopes and both these (A&B) should be kept in one (01) envelop super scribing " Bid for General Radiology USG machine". Bid should contain all Technical details of equipment to be supplied along with commercial Terms and Conditions.
- Tenders should be type written or computerized and every correction/over writing if any in the tender should invariably be attested with signature by the tenderer with date, failing which the tender will be ineligible for further consideration.
- Envelop should contain the following documents:
  - Covering letter of the firm, checklist properly filled in, PAN/TIN supporting documents, Firm registration certificate, authorized dealership certificate from manufacturer/company valid for the period of agreement.
  - An undertaking clearly mentioning the following shall be furnished.
    - All the terms and conditions mentioned in the tender are acceptable to the bidder.
    - The hardware and software to be supplied by the vendor would be as per the specifications prescribed by this office vide Annexure-I.

- c) Supply and installation of equipment would be done in this office only within two weeks from the date of receipt of supply order by the selected vendor.
10. The financial bid (Envelop B) for supply of equipment submitted in format at **Annexure – III** should be stamped and signed on each page. No column should be left blank. It should be struck off if no rate has been filled in for any item. Envelop B will be opened only if the Purchase committee is satisfied with technical bid.
11. The vendor who has been blacklisted either by the Tender inviting authority or by any state Govt. or Central Govt. organization is not eligible to participate in the tender during the period of blacklisting.
12. Terms for payment
- a) On completion of Supply of the items at CARI, No.12, Uttarahalli, ManavartheKaval, Kanakapura Road, Bangalore – 560109 Purchase Committee will inspect and certify the quality and working condition of the machine before release of payment to the Vendor.
- b) All payment will be released based on the rate quoted in the bid and invoices submitted to CARI office by the Vendor.
13. General Terms and conditions
- i. EMD will be returned to unsuccessful bidders after finalization of Tender. Successful Tenderer has to deposit Performance security @ 5% of the final bill amount (exemption is applicable as per the GFR). It will be returned to the supplier after completion of warranty period and 02 months. Supplier's EMD will be returned after receiving the Performance Security.
- ii. Bid should be submitted either by original manufacturer or authorized dealers appointed by such manufacturers in India, who have sale service experience in supplying such instruments for more than 5 years.
- iii. The rate should be including Free on Board (FOB), transportation and commissioning of the instruments (s) to CARI Bengaluru -560 109.
- iv. Rates should be inclusive of all taxes, insurance (if any), transportation/ installation charges at Specified destination & with 2 years onsite warranty and one year free AMC.
- v. The warranty will cover all the parts of the machine or item and any replacement or repair required within the warranty period and will be provided by the supplier free of cost at the destination point (installation point). If the machine has any fault beyond repair or creates regular problems hampering the routine work within the warranty period, the machine should be replaced immediately without any additional cost.
- vi. All the warranty certificates must be handed over to the consignee after installation.
- vii. The selected firm should have a service centre in Bengaluru.
- viii. The rate quoted and accepted will be binding on the tenderer and no increase in the price will be entertained till the machine is installed and starts functioning successfully.
- ix. The supplier should provide spares atleast for 3 years of operation of the equipment.
- x. The supplier should also quote for AMC after expiry of warranty/guarantee period.
- xi. The firm / supplier will provide hands on training to in his own cost for operating / handling the equipment within 07 days of installation of equipment.
- xii. The supplier / firm will provide the operational / maintenance manuals and tools (if required) of the item & turnkey to the consignee at the time of installation.
- xiii. The supplier should not handover execution of order to any other/sister firm(s); it will amount to cancellation or order.
- xiv. Each bidder should submit the specification as per Annexure – II for the items.
- xv. In case the supplier being unable to supply within stipulated time or insolvent the loss incurred to the Government will be borne by the supplier.
- xvi. The quality/condition should be good and as per the specifications as mentioned in technical specification, substandard instruments/items and non-conforming of specification will not be accepted the same will be replaced by the supplier at their own cost.

- xvii. If any information or documents furnished by the tenderer with the tender papers are found to be misleading or incorrect at any stage the tender of the relevant items in the approved list shall be cancelled and steps will be taken to blacklist the said firm for five (5) years.
- xviii. The Tenders will be opened on 26-12-2023 at 3 PM in the presence of purchase committee of the Institute. The Tenderers or their representative may attend the tender opening in the Meeting Room (Administrative Building) of this Institute.
- xix. The Assistant Director (Ay.) In-charge has every right to reject/accept/ cancel any bid without assigning any reason.



Assistant Director (Ay), In-charge  
प्रभारी सहायक निदेशक (आयु.)  
केन्द्रीय आयुर्वेद अनुसंधान संस्थान  
केन्द्रीय आयुर्वेदीय विज्ञान अनुसंधान परिषद्  
बेंगलूरु - 560109

## Technical bid for purchase of general radiology USG machine

To,

( Name, Address landline and Mobile Nos. of the bidding firm/agency firm/ Agency )

Sl.No.	Documents	Write(Yes) or (No)
1.	Terms and conditions as mentioned in the Tender form have been read and fully accepted	
2.	Tender document signed and stamped	
3.	Detail Name, address, telephone number, email of the service centre/ contact person in Bengaluru (enclosed)	
4.	Leaflet/ Brochure of item quoted (enclosed)	
5.	Bank account details (enclosed)	
6.	Manufacturer's Authorization (in case bidder is not the manufacturer). (enclosed)	
7.	Item Quoted with name, make & model Annexure – III	
8.	Blacklisted by any central or state Govt. authority	
9.	Conditions accepted for supply of items as per approved rates.	
10.	Rates quoted are for CARI, Bangalore	
11.	Copy of upto date GST Certificate	
12.	SGST & CGST as applicable shown separately	
13.	TIN/PAN Number mentioned and supporting documents have been attached	
12	Certificate of Registration of firm has been attached	
13	IT return and sales Tax clearance certificate of last 03 years have been attached.	

Place:

Date:

Sign and Seal of Tenderer

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**Technical specifications for general radiology USG machine**

1. Fully digital technology suitable for performing obstetrics, gynecology, abdominal examinations.
2. Clinical use: General purpose ultrasonic scanning systems provide two-dimensional (2-D) B-mode images of soft tissues without subjecting patients to ionizing radiation. It should be intended primarily for abdominal, obstetric/gynecologic (OB/GYN), small-parts, and vascular imaging.
3. Machine must include the following four types of probes:
  - a. Curvilinear probe
  - b. Linear high resolution probe
  - c. Transvaginal high resolution probe
  - d. Cardiac probe
4. The USG machine should have the following advanced imaging specifications:
  - a. Noise reduction filter to improve edge enhancement and create sharp 2D images. It should provide application-specific optimization and temporal resolution in live scan mode.
  - b. Pulse inversion technology to improve image clarity, near to far. It should reduce signal noise to provide uniform ultrasound images.
  - c. Directional Power Doppler imaging technology to help detect even the peripheral blood vessels.
  - d. Should have the technology to control ultrasound beam electronically by steering and should compound many scan lines for better image. It should provide good spatial and contrast resolution with greater artifact suppression.
5. A diagnostic ultrasound technique for imaging elasticity to detect the presence of solid masses in tissues and to convert any stiffness into color images.
6. It should be able to screen a patient's potential risk of cardiovascular disease. It should be capable of allowing easy intima-media thickness measurement of both the anterior and posterior wall of the common carotid. It should enhance exam productivity and add diagnostic value.
7. A quantitative tool for global and segmental wall motion of the left ventricle (LV). It should support three standard LV views and a Bull's Eye to be displayed in a quad screen for an assessment of the LV-function.
8. Needle targeting when performing commonly used intervention pro.
9. Display of an extended field-of-view to allow users to examine a wider area. Panoramic imaging to support angular scanning with data acquired from the linear and convex transducer.
10. Clear imaging to have a clear view and equipped with basic tools to provide effective care and help necessary examination with versatile features.
11. The system should have at least 3-4 active transducer ports.
12. It should have semi-automatic technology for biometric measurement to enable users to measure the fetal growth parameters such as BPD, HC, AC and FL with one click while maintaining exam consistency.
13. It should have a function that provides information of the progress of delivery by the automatic measurement of AoP (Angle of Progress) and the direction of the fetal head.
14. It should have outstanding imaging applications (Multi-Slice View, Oblique View, and XI VOCAL), to offers precise control over 3D/4D volume data manipulation to improve diagnostic accuracy.
15. It should have a function to measure 2D NT (Nuchal translucency) using the ROI box to measure the maximum value quickly and accurately.
16. It should allow access to previously taken exams to evaluate corresponding views in a side-by-side display.

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17. It should enable users to build or to use predefined protocols and help users perform full investigation by eliminating the risk of forgetting an image or loop capture, as well as measurement and transducer preset changes.
18. Probe to be supplied with latest generation wide band transducer.
19. Monitor should be 21 inch or more full LED HD color display.
20. System should be upgraded with free software upgrade from time to time.
21. Minimum 4.8 GB optical disc drives 80 GB hard drive for image storage and retrieval. (Standard with system).
22. Easy to use control panel with up-down and sideways movement with alphanumeric keyboard.
23. Thermal printer of latest model.
24. DVD/CD Recorder with DICOM media transfer.
25. Environmental factors – The unit should be capable of operating continuously in ambient temperature of 30 deg C and relative humidity of 80%.
26. Power input to be 220 – 240VAC, 50 Hz fitted with Indian plug.
27. Resettable over current breaker shall be fitted for protection.
28. Online UPS of suitable rating with voltage regulation and spike protection for 30 minutes back up.
29. Suitable Servo controlled stabilizer / CVT.
30. Standards, Safety
  - a. Should be FDA or CE approved product.
  - b. Electrical safety conforms to standards for electrical safety IEC-60601 / IS-13450.
  - c. The product shall comply to IEC 60601-2-37 ed1: Medical Electrical Equipment - Part 2-37: Particular Requirements for the Safety of Ultrasonic Medical Diagnostic and Monitoring Equipment.
  - d. Type of protection against electric shocks -- Class I Degree of protection against electric shocks for ultrasound probes Type "BF". For ECG electrodes Type 'CF'.
  - e. Manufacturer/Supplier should have ISO certification for quality standards.
31. Documentation
  - a. User manual in English.
  - b. Service manual in English.
  - c. List of important spare parts and accessories with their part number and costing available in stock with the supplier.
32. Maintenance and Serviceability
  - a. Remote Service Network Connectivity.
  - b. Optional Service agreement.
  - c. Online phone support.
  - d. Clinical application support.

Note: for any specific technical query you may contact Ph. 89718 59797 (only during office hours and working days)

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Financial bid:

Sl. No.	Description	Make & Model No	Qty.	Rate including taxes
1)	General radiology USG machine		01	

Manufacturer's Authorization Form (MAF)

No.....

Dated:

To

The Assistant Director (Ay.), In-charge,  
CARI, No.12, Uttarahalli, Manavarthe kaval,  
Kanakapura Road, Bangalore -560 109.

We.....who are established and  
reputable Manufacturers of.....having offices  
at.....and.....  
.....do hereby authorize  
M/s.....(Name and address of the  
Supplier/Dealer/channel partner/representative to offer their quotation and conclude the contract with  
you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per the terms and conditions of the tender and the  
contract for their items offered against the invitation for tender by the above firm.

Yours faithfully,

(Name) for and on behalf of M/s.....  
(Name of the Manufactures)

Note: This letter of authority should be on the letterhead of the Manufacturing concern and should be  
signed by a competent person of the manufactures.





AGREEMENT BOND (Specimen)

( Agreement bond will be filled by the Bidder onRs.....(.....) )

non judicial stamp paper by the firm whose rates are approved by the Institute).

I/we hereby tender for the supply of .....

Items mentioned under list to the purchase of .....

as per rates and terms & conditions approved stipulated in the annexure to this memorandum.

If this tender be accepted I/we hereby agree to abide and fulfill all the terms and conditions as per provision of the contract as applicable or in case of providing default by the authority of CARI thereof otherwise agree forfeit and pay to the Assistant Director-in-charge, CARI, Bangalore. The sum of .....only, deposited as earnest money at the time of submission of Tender in the form of demand draft/pay order no.....dated.....drawn on .....

(Name of the bank ), the full value of which is to be absolutely forfeited to the said Assistant, Director-in-charge or his successor in office without prejudice to any other right or remedies in case I/we fail to undertake the supply of commodities specified in the annexure, or fail to abide with the said terms & conditions of the contract.

Dated.....the ..... day of.....

Witness.....Signature ..... of contract.....

Address.....  
.....  
.....

Occupation.....  
.....

The above tender is hereby accepted by me on behalf of CARI, Bangalore-560 109.

Assistant Director (Ay), in-charge

