

26.02.2018

TAMILNADU MEDICAL SERVICES CORPORATION LTD.,

**TENDER FOR FIXING RATE CONTRACT FOR SUPPLY AND INSTALLATION OF
PORTABLE ECHO COLOR DOPPLER ULTRASOUND UNIT TO DEIC CENTRES AT
13 GOVERNMENT HEADQUARTERS HOSPITAL**

TENDER NO.255/USG/NRHM/TNMSC/ENGG/2018, DT.02.01.2018

Corrigendum

a) The following corrigendum are issued:-

Sl. No.	Tender Document Reference	Instead of	Read as
1.	Page No.1, 3 & 5	Tender for fixing rate contract for supply and installation of Portable Echo Color Doppler Ultrasound Unit To DEIC Centres at 13 Government Headquarters Hospital	Tender for fixing rate contract for supply and installation of Portable Echo Color Doppler Ultrasound Unit and Color Doppler Ultrasound System to various Govt. Hospitals
2.	Page No.52 Section V: Schedule of Requirements	Existing Text	Revised text at Annexure - I
3.	Page No.54 & 55 Section VI: Technical Specification	Existing Text	Revised text at Annexure - II
4.	Page No.56 to 58 Section VI - A: Qualification Criteria	Existing Text	Revised Text at Annexure - III
5.	Page No.61 Section VII: Bid Form and Price Schedule	Existing Text	Revised Text at Annexure - IV

The following due date is extended:-

Sale of bidding document : up to 14.03.2018

Last date and time for receipt of bids : 15.03.2018, 11.00 AM

Date and time of opening of bids : 15.03.2018, 12.00 Noon

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

Sd/-

General Manager (E)

**SECTION – V - REVISED
SCHEDULE OF REQUIREMENTS**

Sch. No.	Brief Description	Unit	Qty.	Bid security (Rs.)
1.	Portable Echo Color Doppler Ultrasound Unit as per specification	Nos.	13	Rs.1,30,000/-
2.	Color Doppler Ultrasound System as per specification	Nos.	65	Rs.6,50,000/-

Delivery Schedule: - 60 days from the date of purchase order for the full quantity and for increased quantity the delivery period will be increased proportionately.

Place of Delivery:- The above equipment should be delivered at

Portable Echo Color Doppler Ultrasound Unit – 13 Nos.

Sl. No.	Name of the DEIC Centres	Qty.
1.	The Hospital Superintendent, Govt. Quarters Hospital, Ariyalur	1
2.	The Hospital Superintendent, Govt. Quarters Hospital, Cuddalore	1
3.	The Hospital Superintendent, Govt. Quarters Hospital, Dindigul	1
4.	The Hospital Superintendent, Govt. Quarters Hospital, Erode	1
5.	The Hospital Superintendent, Govt. Quarters Hospital, Krishnagiri	1
6.	The Hospital Superintendent, Govt. Quarters Hospital, Nagapattinam	1
7.	The Hospital Superintendent, Govt. Quarters Hospital, Namkkal	1
8.	The Hospital Superintendent, Govt. Quarters Hospital, Peramalur	1
9.	The Hospital Superintendent, Govt. Quarters Hospital, Ramanathapuram	1
10.	The Hospital Superintendent, Govt. Quarters Hospital, The Nilgiris	1
11.	The Hospital Superintendent, Govt. Quarters Hospital, Trippur	1
12.	The Hospital Superintendent, Govt. Quarters Hospital, Tiruvallore	1
13.	The Hospital Superintendent, Govt. Quarters Hospital, Virudhunagar	1
	Total	13

Color Doppler Ultrasound System – 65 Nos.

Sl. No.	Name of the Hospital	District	Under the control	Qty.
14.	District Head Quarters Hospital, Ariyalur	Ariyalur	DMS	1
15.	Stanley Medical College Hospital	Chennai	DME	1
16.	Kilpauk Medical College Hospital	Chennai	DME	1
17.	Government Royapettah Hospital	Chennai	DME	1
18.	Coimbatore Medical College Hospital	Coimbatore	DME	1
19.	District Head Quarters Hospital, Pollachi	Coimbatore	DMS	1
20.	District Head Quarters Hospital, Cuddalore	Cuddalore	DMS	1
21.	Dharmapuri Medical College Hospital	Dharmapuri	DME	1
22.	District Head Quarters Hospital, Pennagaram	Dharmapuri	DMS	1
23.	District Head Quarters Hospital, Dindigul	Dindigul	DMS	1
24.	Government Taluk Hospital, Palani	Dindigul	DMS	1
25.	District Head Quarters Hospital, Erode	Erode	DMS	1
26.	District Head Quarters Hospital, Kancheepuram	Kancheepuram	DMS	1
27.	Government Taluk Hospital, Tambaram	Kancheepuram	DMS	1
28.	Chengalpattu Medical College Hospital	Kancheepuram	DME	1
29.	Kanyakumari Medical College Hospital	Kanyakumari	DME	1
30.	District Head Quarters Hospital, Padmanabapuram	Kanyakumari	DMS	1
31.	Karur Medical College Hospital	Karur	DME	1
32.	Government Taluk Hospital, Kulithalai, Karur District	Karur	DMS	1
33.	District Head Quarters Hospital,	Krishnagiri	DMS	1

Sl. No.	Name of the Hospital	District	Under the control	Qty.
	Krishnagiri			
34.	Govt. Rajaji Hospital, Madurai	Madurai	DME	1
35.	District Head Quarters Hospital, Usilampatti, Madurai District	Madurai	DMS	1
36.	Government Taluk Hospital, Melur, Madurai District	Madurai	DMS	1
37.	District Head Quarters Hospital, Nagapattinam	Nagapattinam	DMS	1
38.	District Head Quarters Hospital, Namakkal	Namakkal	DMS	1
39.	District Head Quarters Hospital, Uthagamandalam, The Nilgiris	Nilgiris	DMS	1
40.	District Head Quarters Hospital, Perambalur	Perambalur	DMS	1
41.	Pudukottai Medical College Hospital	Pudukottai	DME	1
42.	Government Taluk Hospital, Aranthangi	Pudukottai	DMS	1
43.	District Head Quarters Hospital, Ramanathapuram	Ramanathapuram	DMS	1
44.	Govt. Mohan Kumaramangalam Medical College Hospital, Salem	Salem	DME	1
45.	District Head Quarters Hospital, Mettur Dam, Salem	Salem	DMS	1
46.	Government Taluk Hospital, Omalur, Salem District	Salem	DMS	1
47.	Government Taluk Hospital, Attur, Salem District	Salem	DMS	1
48.	Sivaganga Medical College Hospital	Sivagangai	DMS	1
49.	District Head Quarters Hospital, Karaikudi, Sivaganga Distrcit	Sivagangai	DMS	1
50.	Thanjavur Medical College Hospital	Thanjavur	DME	1
51.	District Head Quarters Hospital, Kumbakonam, Thanjavur District	Thanjavur	DMS	1
52.	Theni Medical College Hospital	Theni	DME	1

Sl. No.	Name of the Hospital	District	Under the control	Qty.
53.	District Head Quarters Hospital, Periyakulam, Theni District	Theni	DMS	1
54.	District Head Quarters Hospital, Thriuvallur	Thiruvallur	DMS	1
55.	Government Taluk Hospital, Tiruttani, Tiruvallur District	Thiruvallur	DMS	1
56.	Thiruvannamalai Medical College Hospital	Thiruvannamalai	DME	1
57.	District Head Quarters Hospital, Cheyyar	Thiruvannamalai	DMS	1
58.	Thiruvarur Medical College Hospital	Thiruvarur	DME	1
59.	District Head Quarters Hospital, Mannargudi, Tiruvarur District	Thiruvarur	DMS	1
60.	Thoothukudi Medical College Hospital	Thoothukudi	DME	1
61.	District Head Quarters Hospital, Kovilpatti, Thoothukudi District	Thoothukudi	DMS	1
62.	Tirunelveli Medical College Hospital	Tirunelveli	DME	1
63.	District Head Quarters Hospital, Tenkasi	Tirunelveli	DMS	1
64.	District Head Quarters Hospital, Tiruppur	Tiruppur	DMS	1
65.	Mahatma Gandhi Memorial Hospital, Trichy	Trichy	DMS	1
66.	District Head Quarters Hospital, Manapparai, Trichy District	Trichy	DMS	1
67.	Vellore Medical College Hospital	Vellore	DME	1
68.	District Head Quarters Hospital, Walajapet, Vellore District	Vellore	DMS	1
69.	Govt. Hospital, Thirupattur	Vellore	DMS	1
70.	District Head Quarters Hospital, Kallakurichi, Villupuram District	Villupuram	DME	1
71.	Government Taluk Hospital, Ulundurpet, Villupuram District	Villupuram	DMS	1

Sl. No.	Name of the Hospital	District	Under the control	Qty.
72.	Villupuram Medical College Hospital	Villupuram	DME	1
73.	Tindivanam	Villupuram	DMS	1
74.	District Head Quarters Hospital, Virudhunagar	Virudhunagar	DMS	1
75.	Government Taluk Hospital, Rajapalayam, Virudhunagar District	Virudhunagar	DMS	1
76.	Govt. Hospital, Aruppukottai	Virudhunagar	DMS	1
77.	Government Hospital, Hosur	Krishnagiri	DMS	1
78.	Omandurar Medical College Hospital	Chennai	DME	1
	Total			65

Note :

- 1) The rate contract should be valid for a period of 2 years from the date of acceptance of the tender and extendable for further period on mutual acceptance.**
- 2) The quantity indicated is tentative and will vary as per the actual requirement during the rate contract period. The supplier should have no claim against the purchase on the actual quantity of orders placed during the rate contract period.**
- 3) During the rate contract period, further quantity may be ordered for any other Govt. Medical Institutions at the same rate and terms & conditions.**

SECTION VI: TECHNICAL SPECIFICATION - REVISED

1. SPECIFICATION FOR PORTABLE ECHO COLOR DOPPLER ULTRASOUND UNIT

State of art fully digital compact portable color doppler ultrasound machine (Weight <5kg) is required with following technical features

1. Unit should be able to give very high image quality with advance technologies like compound imaging for better contrast resolution, tissue differentiation and edge detection, equivalent to high end cart based systems. Please specify the technology.
2. System should have both online (Read) as well as offline (Write) zoom facility.
3. Imaging modes for Real time 2D, color, Pulsed Wave Doppler, Power Doppler must be available on all transducers.
4. System must have fast start up to scanning in less than 20 seconds from off condition, for use during cardiac camps, critical care and emergency situations & bedside echos.
5. System & Transducers should withstand from any accidental damage while carrying, with 3 feet height from ground. System should have magnesium case for light weight strength.
6. System should support transducer technologies like phased, convex and linear array format.
7. Cine memory feature should be available on all modes.
8. The system shall process a dynamic range that is at least 165db. The system must display at a maximum depth of 35cm.
9. The system must have a dedicated cardiac calculation packages with PISA, TDI calculation packages and vascular calculations package.
10. Transducers must be sturdy, resistant to breakage and damage on fall/hit against the wall or hard surface for busy & tough environment conditions.
11. Unit must have Flat LCD/TFT monitor of atleast 10 inches with flicker free image.
12. Alphanumeric soft keys keyboard with easy access scans controls, facility to sanitize the system keyboard to avoid cross contamination for critical care & OT environment. Splash resistant interface for better production.

13. The system must have the ability to function by AC/DC or battery power with the same degree of functionality, the battery life (run time) shall be at least 2 (Two hours), this need to be demonstrated.
14. System should have back lit keyboard for easy use in dark light conditions.
15. System must have auto adjusting function for imaging parameters depending on exam type and based on imaging depth.
16. Data transfer facility via USB or some software should be available as standard, to transfer patient data/images/videos easily onto another system/computer etc.
17. System should have European CE or USFDA quality certification.

Transducers & accessories to be supplied as standard:

1. 1-5 (+/-1) MHz multi-frequency, broadband phased array transducer for Adult cardiac.
2. 4-8 (+/-1) MHz multi-frequency, broadband phased array transducer for Pediatric cardiac application.
3. Mobile cart with transducer holder and space for printer.

Optional Transducers:-

1. 6-13 (+/-1) MHz multi-frequency, broad band liner array transducer with less than 40mm size for nerve, small parts, vascular, musculoskeletal applicants. Higher frequency will be preferred.
2. 2-5 (+/-1) MHz multi-frequency broadband curved array transducer for general purpose, abdominal deep nerve access applications.

Optional items:

1. B/W Thermal Printer
2. Warranty: The unit and main transducers should be covered with comprehensive onsite warranty for 3 years commencing from the date of issue of installation certificate.

Essential Requirement

1. Onsite training to 2 doctors and educational material must be provided post installation of the system.

2. SPECIFICATION FOR COLOR DOPPLER ULTRASOUND SYSTEM

- Latest generation color Doppler ultrasound unit capable of performing Obs/Gyn, abdominal, vascular, small parts, Musculoskeletal, Urology and cardiac with following specifications

1. System should be offered with following Board Band width transducers:

- (a) Multi frequency Convex Array Transducers (frequency range of 2 to 5 Mhz) Abdominal Ob/Gyn applications.
- (b) Multi frequency Linear Array Transducer (frequency range of 5 to 12 Mhz) for vascular & small parts applications
- 2. System should have following modes:
 - (a) 2D, M Mode, Color M Mode, PW, CW, Color Doppler Imaging, Power Doppler Imaging, Tissue Harmonic Imaging, Pulse Inversion Harmonic Imaging, Trapezoidal Imaging.
- 3. System should have Quad Mode facility (2D, 2D/C, 2D/PW, 2D/M)
- 4. System should have digital processing channels of 60000 or more. Please specify through technical data sheet.
- 5. Grey scale (min 256 or more) please specify through Technical data sheet
- 6. System should have scanning depth of 2 to 30 cm. Please specify through technical data sheet.
- 7. Broad Band width beam former technology transducers for extreme high resolution 2D image should be available.
- 8. Should have High dynamic range of 200 db or more. Please specify through technical data sheet.
- 9. System should have a very high frame rate of 700 Hz or more.
- 10. System should have facility for gain adjustments using slide pot controls.
- 11. Should have minimum 3 active ports with direct switching from console.
- 12. System should have HPRF and CW option.
- 13. System should have spatial compounding.
- 14. System should have Speckle Reduction Filter.
- 15. System should be capable of giving additional information on volume data with multiple slicing on orthogonal plain and variable plain (5 views simultaneously with variable depth)
- 16. System should have volume TV probe compatibility.
- 17. System should be upgradeable to Elastography.
- 18. System should have a high resolution articulating non interlaced flicker free antiglare flat panel 19 inches or more color LCD monitor.
- 19. System should have DICOM 3.0 as standard.
- 20. System should have built in Image Management software.
- 21. Image storage capacity through Hard Disc drive should be 500 GB or more.
- 22. Image Archival: Inbuilt CD/DVD writer with the facility to transfer images.

23. System should have direct connectivity to color paper printer for printing images & report.
24. System should have extensive calculation software package for general imaging, Vascular & abdominal imaging.
25. The quoted model should be European CE or USFDA approved.

SECTION VI-A : QUALIFICATION CRITERIA - REVISED

(Referred to in Clause 11.2 of ITB)

For determining the lowest-evaluated bid, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 11.2, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

1. Manufacturer Bidders

- (i) *The bidder must have manufactured and supplied satisfactorily the similar model **quoted** in each schedule of the Schedule of Requirements either directly or through of any other authorized dealer to the extent of at least 1 No. for Sl. No.1 & 3 Nos. for Sl. No.2 under "Section – V, Schedule of Requirements" in any one of the last five years **of which minimum 1 No. for Sl. No.1 & 2 should have been supplied to Indian Institution** and should be in use satisfactorily with no adverse report for at least one year preceding the date of bid opening.*
- (ii) *The Bidder should furnish a brief write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all their current commitments.*
- (iii) *The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.*

2. Non- Manufacturer Bidders

*In the case of a Bidder offering to supply Goods under the Contract that the Bidder does not manufacture or otherwise produce, **the Bidder should be duly authorized by the manufacturer of the Goods who meets the criteria under (1) above** (all supporting documents/information as asked above for manufacturer shall be submitted with the bid) and*

- a) *The manufacturer furnishes a legally enforceable authorization in the prescribed Form [Section XI] assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered; and*
- b) *The bidder, as authorized by the manufacturer, must have supplied and provided after sales service to the extent of at least 1 No. for Sl. No.1 & 2 of the quantities of **similar model** in the Schedule of Requirements in any one of the last five (5) years **to Indian Institution**, which must be in satisfactory operation at least for one year on the date of bid opening.*

3. Common to Both Manufacturer and Bidder

- (i) *The information on past supplies and satisfactory performance should be given in the Proforma given under Section-X.*
- (ii) *Documentary evidence (end users certificate) in support of the satisfactory operation of the goods as specified above shall invariably furnished.*

(iii) Data to support that the manufacturer has the financial and production capacity to perform the contract and complete the supplies within the stipulated delivery period shall be furnished. for the non-manufacturer bidder data to support that he has the financial capacity to perform the contract and complete the supplies within the stipulated delivery period shall be furnished. Reports on financial standing shall be in the form of profit and loss statements, balance sheets and auditors report for the past three years, bankers certificate, etc.,

a) The bidder should have a manufacturing capacity of at least 117 Nos. for Sl. No.1 and 585 Nos. for Sl. No.2 similar capacity machines per annum certified by licensing authority/ chartered accountant.

b) The annual sales turnover for the bidder should be at least Rs.130.00 lakhs for Sl. No.1 and Rs.650.00 lakhs for Sl. No.2 in any one of the last three years (2014-2015 to 2016-2017), and it should be certified by the chartered accountants.

c)The bidder should have a cash/ credit limit of at Rs.32.50 lakhs for Sl. No.1 and Rs.162.50 lakhs for Sl. No.2with their bankers exclusively for this contract and a certificate for the above shall be furnished by the bankers.

(iv) Further, the manufacturer should be in continuous business of manufacturing / supplying and after sale services of products similar to that specified in the 'Schedule of requirement' during the last 5 years prior to bid opening. In case of non-manufacturer bidders, this condition should be satisfied by the manufacturer of the product.

1 The legal status, place of registration and principal place of business of the company or firm or partnership, etc.;

Notwithstanding anything stated above, the purchaser reserves the right to assess the bidder's capabilities and capacity to execute the contract satisfactorily before deciding on award

Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or record of poor performance such as, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

Note:

1) The above post qualification requirements are to be met by the bidder (in case of manufacturer bidders) and the bidder and the manufacturer respectively (in case of non manufacturer bidders) and qualification of group/sister/parent companies will not be considered for meeting the above requirement.

2) For the purpose of furnishing documentary evidence to meet the post qualification criteria, the bidder should furnish the following:

a. The supply made to public sector/Government units in India/private sector, the bidder should submit an affidavit confirming that the performance statement given is correct along with copy of purchase order, copy of invoices, proof of payment received from

Purchasers, documentary evidence (end user certificate) in support of satisfactory completion of orders and function as stated above.”

- b. The foreign manufacturer is permitted to submit an affidavit in their letter head duly signed by the authorized signatory of the manufacturer confirming that the performance statement given is correct.*

2A	Color Doppler Ultrasound unit		65 Nos.								
2B	Multi frequency Convex array Transducer – 2 to 5 MHz		65 Nos.								
2C	Multi frequency Linear array Transducer – 5 to 12 MHz		65 Nos.								

i. Unit price in (6) (Rs. in words)

1. Portable Echo Color Doppler Ultrasound Unit as per specification with HSN Code/rate of GST.....

Break-Up Price for Sl. No. 1

1A. Portable Echo Color Doppler Ultrasound Unit as per specification with HSN Code/rate of GST.....

1B. 1-5 (+/-1) MHZ Transducers as per specification with HSN Code/rate of GST.....

1C. 4-8 (+/-1) MHZ Transducers as per specification with HSN Code/rate of GST.....

1D. Mobile Cart Transducer as per specification with HSN Code/rate of GST.....

Optional Transducers:

1E. 6-13 (+/-1) MHZ Transducers as per specification with HSN Code/rate of GST.....

1F. 4-8 (+/-1) MHZ Transducers as per specification with HSN Code/rate of GST.....

Optional item:

1G. B/W Thermal Printer as per specification with HSN Code/rate of GST.....

2. Color Doppler Ultrasound System as per specification with HSN Code/rate of GST.....

Break-Up Price for Sl. No. 2

2A. Color Doppler Ultrasound unit.....

2B. Multi frequency Convex array Transducer – 2 to 5 MHz.....

2C. Multi frequency Linear array Transducer – 5 to 12 MHz.....

a) Annual Maintenance Charges (labour only) per year /per unit for 7 years after 3 years free warranty maintenance period

1. Portable Echo Color Doppler Ultrasound Unit as per specification with HSN Code/rate of GST.....

2. Color Doppler Ultrasound System as per specification with HSN Code/rate of GST.....

b) Annual Maintenance Charges (Comprehensive) for 7 years / per year / per unit after free warranty maintenance period

1. Portable Echo Color Doppler Ultrasound Unit as per specification with HSN Code/rate of GST.....

2. Color Doppler Ultrasound System as per specification with HSN Code/rate of GST.....

Note:

- (a) In case of discrepancy between unit price and total price, the unit price shall prevail.
- (b) **This price schedule should be placed in separate sealed cover “Cover B”**
- (c) **GST applicable for Annual Maintenance Charges shall be indicated separately.**
- (d) **The bidder should indicate the HSN code of the equipment/ service and applicable GST rates.**

- (e) **The bidder should quote for the prices separately from column 5(a) to 5(e) and should not state “as inclusive”.**
- (f) **The bidder should indicate the prices for all optional items separately in the price schedule without including the same to the main price. But the prices of the optional items will not be taken into account for price evaluation. However, the purchaser reserves their rights to finalize these items at their sole discretion.**

Place :

Signature of Bidder.....

Date :

Name

Business Address