

TENDER NOTICE

SUBJECT: PROCUREMENT OF ELECTRO-MEDICAL EQUIPMENT FOR CIVIL AIRCREW BOARDING CENTERS

Sealed tenders are invited for procurement of electro-medical equipment for civil aircrew boarding centers. The detailed terms and conditions, specifications of equipments, quantity, etc. are available on the website of the Directorate General of Civil Aviation, (www.dgca.nic.in.) The contents may kindly be read and understood before submitting the tender.

(M.C. Pandey)
Dy. Director of Administration

TENDER NOTICE

SUBJECT: PROCUREMENT OF ELECTRO-MEDICAL EQUIPMENT FOR CIVIL AIRCREW BOARDING CENTERS

1. Sealed tenders are invited for procurement of electro-medical equipment for civil aircrew boarding centers. The following are the detailed terms and conditions which may kindly be read and understood before submitting the tender.
2. The supplier of the equipment should be an authorized dealer of the manufacturer & should submit a certificate to that effect. Tenders have to be submitted in a two envelope format with the technical & financial bid separately. Rates should be quoted in Indian Rupees and should be both in figures as well as in words. Conditional tenders will not be considered under any circumstances.
3. Tenders have to be submitted in sealed covers with the following **"Tenders for SUPPLY OF ELECTRO-MEDICAL EQUIPMENT FOR CIVIL AIRCREW BOARDING CENTERS"**
4. Tenders are to be submitted along with refundable earnest money of 10% of the order in the form of a crossed demand draft / pay order in favour of Accounts Officer, P&AO, DGCA, payable at New Delhi at any scheduled bank in Delhi. The earnest money will be forfeited if the tenderer reviles from his offer for whatever reasons. Tenders received without earnest money will be summarily rejected. The earnest money in respect of the unsuccessful bidders will be returned within 15 days after award of contract and the same in respect of the successful contractor will be retained by this office towards security deposit for due performance of the contract. No interest shall be payable on the amount of earnest money / security deposit.
5. Sealed Tenders will be received up to 1100 h at the Reception Counter at the office of the Director General of Civil Aviation, Opposite Safdarjung Airport New Delhi-110003 and opened on 15 Sep 2009 in the presence of such tenderers or their authorized representatives as may wish to be present.
6. Tenders not sealed and not in the form as mentioned in the forgoing paras or not accompanied by earnest money or received after the closing date and time will be rejected.

7. The successful bidder will arrange to install / commission all the equipment at the specified location & failure to do so will be treated as a breach of the terms of the contract.

8. The payments to be made to the firm in terms of this contract will be governed by the income Tax Act and the Rules made there under. Tenderers shall attach a photocopy of their latest valid Income Tax Clearance Certificate along with their tender.

9. Tenderer shall keep their tender valid for acceptance for a period of 120 days from the date of opening. Tenders with shorter validity period will not be considered.

RFP/ TENDER ENQUIRY

INVITATIONS TO QUOTE TENDER NO AV / 22025 / AV / DMS / 16 FOR PROCUREMENT OF ELECTRO-MEDICAL EQUIPMENT FOR CIVIL AIRCREW BOARDING CENTERS

1. Quotations in sealed cover under two Bid System are invited for **PROCUREMENT OF ELECTRO-MEDICAL EQUIPMENT FOR CIVIL AIRCREW BOARDING CENTERS**. List of equipments is given in Clause-1 of **Schedule 'A'**.

2. General information about the tender: -

- (a) Tender reference: **AV / 22025 / AV / DMS / 16**
- (b) Last date and time for receipt of tenders: **1100 h 15 Sep 2009**
- (c) Date and time for opening of TECHNICAL BID: **1500h 15 Sep 2009**
- (d) Place of opening of tenders: **Med Cell DGCA Opposite Safdarjung Airport Aurbindo Marg New Delhi-110 003**
- (e) Address for Communication: **Med Cell DGCA Opposite Safdarjung Airport Aurbindo Marg New Delhi-110 003**
- (f) Quotation shall remain valid till : 120 days from TOD.

3. PLEASE SUPERSCRIBE OUR FILE REF NO. AND DATE OF TENDER OPENING ON SEALED COVER. Failure to do so will render your offer invalid.

4. Sealed quotations addressed to **DGCA** should be submitted at the Reception Office of DGCA or to be sent by registered post / courier so as to reach this office before due date and time. No responsibility will be taken for postal delay or non-delivery / non-receipt of tender documents. Kindly issue suitable instructions to your courier company ensuring that sealed envelope is delivered at the Reception Centre.

5. Tender documents attached are to be returned along with your quotation duly filled and signed by you as having read, understood & accepting the terms and conditions mentioned therein. Deviations if any from tender specification should be highlighted failing which the offer will be treated as incomplete. Please intimate your PAN No. and complete postal address of Income Tax Office. If the vendor is registered with any Ministry of Defence or Central government organization then a copy of the registration letter may be enclosed. Registration, CST and VAT number are to be quoted in the letterhead by all companies who wish to participate in the tender.

6. Please note that sealed quotations (both Technical & Commercial), when called under two bid system are to be sent in a single large envelope duly endorsed with the details stated above. The Technical Bid and Commercial Bid should be in separate envelope inside the outer envelope. Tenders /quotations are to be submitted in duplicate. Each copy should be identical in all respect i.e. Number of pages, leaflets / Pamphlets catalogue drawings etc each copy of tender / quotation should tied / stapled separately and marked original, duplicate, triplicate. However tender enquiry document should be attached with original copy of tender / quotation.

7. The technical bid will be opened **FIRST** by an independent committee on the due date and time. Your authorised representative duly approved in writing from the Company, can attend the tender opening. If due to any exigency, the due date for opening of tenders is declared as closed holiday, in such cases the tenders will be opened on next working day at the same time or any other day / time as intimated by the Buyer. **Technical specifications in detail must be filled in Schedule 'B' to this tender along with the certificate on representations.** Original technical brochure must be attached with technical bid. If the Vendor has supplied the above / similar equipment, a copy of the most recent order with complete details / specification be enclosed with technical bid .The tenderer will make accessible / available the equipment(s) for technical evaluation if required by the TEC at no cost, no commitment basis. In case the equipment is already installed anywhere within NCT Delhi, firm may arrange product demo at site at no cost, no commitment basis. Failure to produce the quoted model for demo, if called for, offers will be rejected straightway. No representations will be entertained.

8. Commercial offers will be opened only of those firms, whose Technical Offers have been found suitable after technical evaluation. The date of opening of Commercial Bid will be intimated by telephone and publication through website of the DGCA, after acceptance of technical bids by the competent authority on the recommendations of the T E C. The same may be opened with display of the same in notice board in case telephone message cannot be passed on. The Commercial offer must have firm and fixed rates with validity for at least four months from the date of submission of offer.

9. Tenders sent by FAX will not be considered. Tenders found in sealed box or received by post will only be considered. To avoid any complications with regard to Late Receipt / Non Receipt of Tenders, it may please be noted that responsibility rests with the tenderer to ensure that tenders reach this HQ before due date. Late quotes will be rejected out rightly by the independent Board of Officers detailed for scheduling of tenders.

10. In case your firm is not willing to quote due to any reasons, your 'Regret Note' should be faxed well before the due date failing which your firm can be declared as UN-RESPONSIVE BIDDER and de-listed from the vendor list for the stores under consideration. The tender documents sent be please returned to this office at the earliest with your ink signed copy of Regret Note.

11. Names of tenderer backing out / defaulting after opening of tenders will be recommended for deletion from the compendium of registered suppliers maintained by this organisation for particular group of items depending on merits. It may please be noted that the purchaser reserves the full right to accept in full or part or reject any tender received without assigning any reason thereof and his decision on the subject will be final and binding on all parties. Unsolicited letters / canvassing / post tender revisions / corrections shall render their tenders liable for summary rejection.

12. Manufacturers should enclose OEM certificates. In case of agents / authorized dealers participating in the bid, they should have authorization letter from manufacturer stating that they are the authorized dealers for the company in India. One agent cannot represent two suppliers or quote on their behalf in a particular tender enquiry.

13. **Transfer and Sub-Letting**. The tenderer has no right to give, bargain, sell, assign or sublet or otherwise dispose of the resultant contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the resultant contract or any part thereof.

14. **Govt Regulations**. It shall also be confirmed that, there are no Govt restrictions or limitation in the country of the supplier or countries from which sub-components are being procured and / or for the export of any part of the system being supplied. Suppliers / Contractors shall provide a certificate to this effect.

Delivery Schedule

15. Supply Order / Contract can be cancelled unilaterally by the buyer in case items are not received within the delivery period of Supply Order / Contract. Extension of Supply Order / Contracted delivery period will be at the sole discretion of the Buyer, with applicability of LD and denial clause. Please note that date / time specified in the supply order will be deemed to be essence of contract.

16. Liquidated Damages @ 0.5% per week subject to a maximum of 5 % of the undelivered stores will be recovered in case of delay in delivery beyond the accepted delivery period as per standard terms and conditions given in Supply Order / Contract.

Commercial Aspects

17. Prices must be quoted for delivery at destination basis by road / courier inclusive of all Packing, Forwarding, Freight charges, Transit Insurance and any other charges as applicable. The Consignee for the Supply Order / Contract is appended at clause 7 of Schedule A to **TENDER AV / 22025 / AV / DMS / 16**

Taxes & Levies

18. Details of current Excise Duty, CST, VAT etc, if any, are to be indicated. Exemption Certificate for ED, Octroi & Custom Duty etc. will be provided if specified & applicable when supported by the documentary proof. Foreign exchange content, if any, is to be indicated separately, for which Custom Duty Exemption certificate is required. Current Value Added Tax (VAT) as applicable must be quoted separately.

19. **Earnest Money**. EMD (Bid Security): All participating tenderers will be required to submit **EMD (Bid Security) of Rupees two lakh fifty thousand only / 10% of the bid amount** which ever is less in the form of Account Payee DD / Bankers Cheque in favour of "**PAO DGCA New Delhi**" from any of the Commercial Banks doing Govt. business, along with their Technical Bids. **Tech Bids received with out EMD would be rejected out rightly.**

20. **Performance Guarantee**. The vendor shall furnish a Performance Guarantee by way of Bank Guarantee for a sum equal to 5% of the contract value within 30 days of receipt of confirmed order. Bank Guarantee should be valid up to warranty of stores.

21. **Guarantee/Warranty**: All quotes must confirm Comprehensive Guarantee / Warranty of the **equipments** for 02 years of trouble free working from date of installation and undertake repairs of needed within 10 days of intimation. During the period of Guarantee / Warranty the vendor will ensure that the equipment continues to perform in exactly the same manner as at the time of acceptance. They shall also indicate how many precautionary checks would be carried out during guaranty period including preventive maintenance schedule with tech bid.

22. **Annual Maintenance Contract**: Comprehensive AMC for a period of 3 years after expiry of Guarantee / Warranty period not exceeding more than 5 % of the order value with 10 % escalation for subsequent years. The firm must indicate other details of AMC such as no. of visits, payment terms etc.

23. **Quality Assurance (where applicable)**. After the Supply Order / Contract is negotiated, the firm would be required to provide the Standard Acceptance Test Procedure (ATP) to the Inspecting Authority (IA). IA reserves the right to modify the ATP when necessary item would be accepted subject to evaluation and clearance by the Inspecting Authority. The IA for the equipment would be an Specialist Officer detailed by the DGCA. Firm would be required to provide all test facilities at OEM premises for acceptance and inspection by the designated inspecting committee. The details in this regard can be coordinated with the committee during the negotiation of Supply Order / Contract. The item should be of latest manufacture conforming to the current production standard having 100% defined life at the time of delivery.

Evaluation Criteria

24. The broad guidelines for evaluation of offers will be as follows: -
- (a) Only those offers shall be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the tender, both technically and commercially.
 - (b) The lowest technically 'Acceptable' tender shall normally be considered further for placement of Supply Order / Contract after complete clarification and price negotiations, as applicable.
 - (c) Delivery within stipulated months of signing of Supply Order / Contract shall be deemed to be essence of Contract.
 - (d) Cost of AMC for three years will be included in the total cost for determining L-1. Having an established Service Centre at Bangalore would be an essential requirement. The details of its date of establishment, address, scope and staffing will be provided.
25. **Standard Conditions of Contract (SCOC)**. Standard clauses regarding agents / agency commission, penalty for use of undue influence, access to books of accounts, arbitration and laws would be applicable in the contract.
26. **Payment Terms.** 100% payment after successful installation of the equipments.
27. **Mode of Payment.** The Indian vendors will be paid through the Office of PAO, DGCA.
28. **Placement of Order.** The Purchase / Supply Order / Letter of Intent will be placed after successful conclusion of negotiations, if any, with most responsive vendor cleared from Techno-commercial angle after due approval of CFA. The firm on receipt of Purchase / Supply Order / Letter of Intent would be required to check and convey their acceptance within seven (7) days of receipt of Purchase / Supply Order / Letter of Intent. It may please be noted that if such an acceptance or communication conveying the seller's objection to certain parts of the contract is not received within ibid-stipulated period, the Purchase / Supply Order / Letter of Intent would be deemed to have been fully accepted by the firm.

29. This RFP is being issued with NIL financial commitment and purchaser reserves the right to change or vary any part thereof at any stage. Purchaser also reserves the right to withdraw the RFP should it be so necessary at any stage.

(M C Pandey)
Deputy Director of Administration

SCHEDULE-A

1. DETAILS OF ITEMS OFFERED

S No	Equipment	Quantity	Consignee
1.	Treadmill Test Machine	3	Delhi Bangalore Jorhat
2.	Ambulatory Blood Pressure Monitor	4	Delhi Bangalore (2) Jorhat
3.	Tympanometer / Impedance Audiometer	4	Delhi Bangalore Jorhat Mumbai
4.	Auto-Refractometers	4	Delhi Bangalore Jorhat Mumbai
5.	Non Contact Tonometer	3	Delhi Bangalore Jorhat
6.	Direct Ophthalmoscope	4	Delhi (2) Bangalore Jorhat
7.	Otoscope	6	Delhi
8.	Digital Audiometer	3	Delhi Bangalore Jorhat
9.	Electronic Weighing Machine	12	Delhi
10.	Automatic Visual Field Perimeter Analyzer	2	Delhi Jorhat
11.	Ultrasound Machine with Doppler Function	2	Delhi Jorhat

Address of Consignee Unit

1. Medical Evaluation Cell (East)
5 Air Force Hospital
Rowriah
Dist.Jorhat 788005
(Assam)

2 Air Officer Commanding
IAM IAF
Vimanpura
Bangalore 560017

3. Air Officer Commanding
AFCME
Subroto Park
New Delhi

Note: -

(i) Specification for electro medical equipment is as per Appx 'A' to this letter.

(ii) Total Cost should be exclusive of all Government duties, Govt. Duties/taxes etc should be specified giving the current rate applicable. L-1 will be determined based on total cost of all the equipments provided they meet technical specifications given in Appx 'A'. Cost of AMC too will be taken into account to evaluate L-1.

2. PLEASE SPECIFY THE FOLLOWING: -

(ALL COLUMNS ARE TO BE FILLED OTHERWISE THE OFFER IS LIABLE TO BE REJECTED)

S I N O	DETAILS	TO BE FILLED BY THE FIRM
1	Discount, if offered (Answer in YES /NO) Indicate the amount of discount	
2	Is Excise duty extra? (Answer in YES /NO) If Excise Duty is extra, indicate the extent/current rate of Excise duty leviable for item. Surcharges on Excise duty	
3	Is Sales Tax extra? (Answer in YES /NO) If Sales Tax is extra, indicate the rate	
4	Is VAT extra? (Answer in YES /NO) If VAT is extra, indicate the rate	
5	Is Customs Duty Exemption Certificate (CDE) required? (Answer in YES /NO) IF CDE IS REQUIRED INDICATE AND ENCLOSE THE NOTIFICATION UNDER WHICH CDE CAN BE If CDE is required indicate CIF value of stores to be imported along with list of items. If CDE is required indicate the Customs Duty payable.	
6	Is your company exempted from payment of Sales Tax and Excise Duty? (Answer in Yes /NO)	
7	Any other duty / levy like octroi/road permit	
8	Details of EMD	
9	Acceptance of Performance Bank Guarantee on confirmation of order	
10	Comprehensive AMC for three years(Please quote rates)	

Note: The tenderers are required to spell out the rates of Customs duty, Excise duty, sales tax, in unambiguous terms; otherwise their offers will be loaded with the maximum rates of duties and taxes for the purpose of comparison of prices. Please clarify clearly whether only ST and VAT both ST & VAT are being charged. Please specify rates against each. Tenderers should furnish details about the deviation, if any, from the tender specification failing which the Offer will be treated as incomplete.

3. Preference to the tenders quoting FIRM & FIXED rates may be given if their offer is found to be meeting all technical qualifying requirements.

4. Firms offering variable prices should give details of escalation formula, which should, however, avoid WAGE ESCALATION.

5. **DELIVERY REQUIRED** : With in two months from the date of SO.

6. **TERMS OF DELIVERY** : On F.O.R Destination basis.

7. **CONSIGNEE** : As given in Table 1

8. **INSPECTION AUTHORITY**: Board of Officers detailed by the DGCA.

9. **PLACE OF INSPECTION**: Consignee Unit.

10 **Special Conditions for Supply**: All testing facilities shall be provided by the firm on whom supply order is placed, free of cost to inspecting officer for tests to be carried out by him on the stores submitted for acceptance. The testing charges and cost of consumables expended during evaluations / testing of pilot sample bulk stores shall be borne by the vendor.

11.**DOCUMENTS TO BE PROVIDED BY THE VENDOR**: The following documents are to be issued to the consignee unit along with each unit of the project.

- a) Maintenance Manual
- b) Operator's Manual
- c) Warranty certificate for each equipment
- d) Illustrated parts catalogue

12. **Guarantee/Warranty:** Vendor will provide Comprehensive Guarantee / Warranty for 12 months, followed by AMC for 24 months from date of installation/delivery. .During the period of warranty the vendor will ensure that the equipment continues to perform in exactly the same manner as at the time of acceptance.

13. **Company details that are to be provided**

Registered with central government? Yes/No (If yes attach proof)

Are you the OEM? Yes / No. If yes attach proof.

Company registration Number:

Company CST Number:

Company VAT number:

PAN number

Name of Bankers (attach a cancelled cheque)

The certificate will be submitted along with technical bids.

DGCA will not be responsible for any delay occurring due to Postal Service.

Tender which are incomplete or conditional in any manner will be rejected.

Tender documents will be perused as per the check list issued to BOO.

Against one tender Enquiry Set, a firm can submit only one proposal which matches closest to QR.

Comprehensive AMC (Annual Maintenance Contract) is to be quoted, separately.

Firm will specify in unambiguous terms about admissibility of VAT / Sales Tax / WCT / Customs clearance / CVD / SAD, J&K service tax etc (mandatory Govt levies) without which it will be presumed that firms quotation is inclusive of above.

NOTE - Prospective vendors are to sign on each page and affix their stamp / rubber seal before returning the RFP along with their offer.

SCHEDULE-B

BROAD BASED QRs FOR ELECTRO-MEDICAL EQUIPMENT FOR AIR FORCE BOARDING CENTERS FOR CIVIL AIRCREW

1. Treadmill Test Machine

Technical Specifications Treadmill Test Machine

Advanced stand-alone, Windows based Stress Test System with Blue tooth technology for wireless data transmission

- Frequency Response – DSP filter of 0.05 to 100Hz with notch at 50Hz
- Leads-Off detection
- Facility to store 12 lead un-averaged ECG
- Facility to record rhythm (10 second Rhythm strips of 12 leads)
- Audio alarms for HR and ST level at pre-configured values
- Beep on QRS
- Detection of Premature Ventricular Ectopic
- Facility to Rerun test
- Online display of following parameter in all display modes
 - Sweep speed
 - METS
 - Heart rate is updated every 4 seconds with symbol and Target heart Rate with percentage of completion target heart rate.
 - BP in mmHg
 - ST measurement Mode (Manual / Auto)
 - Current ST Level and ST Slope of enlarged median
 - ECG gain with standardization pulse
 - Test and Phase duration in hh:mm format
 - Exercise protocol stage name
- Facility to enter BP 50 seconds before end of each exercise stage
- ECG sweep speed: 12.5, 25, 50 mm/sec
- Relearn the median template
- Facility to enter a stage comment in each phase
- Gain: 0.5, 1.0, 2.0 mV/cm
- Change the QRS detection lead
- Automatic/Manual detection of fiducial points (E, J, Post J)
- Hold/Release treadmill stage
- QRS beep On/Off

Specifications

- Trends
- Trends of HR, BP, ST Level, ST Slope, J Amplitude, R-Wave amplitude, METs, PVC per minute & RPP _ 8, 16, 32, 48, 56 seconds resolution.
- View and print rhythm strips marked during acquisition. Facility to select 12 leads of 5 sec. OR 6 leads of 10 seconds for each printout
- Treadmill protocol
- Available standard protocols
 - BRUCE
 - MODIFIED BRUCE

- System configuration : Speed in km/hr or m/s, TM speed at exercise stop (0 km/hr / 1.2 km/hr)
- ST Level lead in Summary
- Long lead in reports
- Screen Display leads (3)
- 3 Leads in Trend Report
- Stage Report Leads
- Display Resolution – 1024 X 768 with 17" TFT

2. **Ambulatory Blood Pressure Monitor**

Technical Specifications Ambulatory BP Monitor

- Duration of blood pressure monitoring 24 hours
- Method of measurement Oscillometric method
- Storage medium Flash memory
- Memory capacity 256 measurements
- Indicating range 0 ~ 300 mmHg
- Range of blood pressure Systolic 50 ~ 260 mmHg
- Diastolic 30 ~ 180 mmHg
- Pressure precision 3 mmHg
- Range of pulse 30 ~ 255 bpm
- Communication port Wireless infrared data transfer
- PC minimum requirements Pentium III 500 MHz or higher
- Monitor 1024 x 768 resolution; System requirements Windows XP / Vista

3. **Tympanometer / Impedance Audiometer**

Specification For Tympanometer

- Probe Tone: 226 Hz (85db SPC + 1.5 db) Accuracy 1%, Harmonic Distortion: Less than 5%
- Admittance Measurements: 226 Hz (-1 to +7)
- Pressure Measurements: Normal = +200 to -400 da Pa
- Noise Signals
 - Low Band 125-1600 Hz
 - High Band 1600-4000 Hz
 - Broad Band 125-4000 Hz
- Intensity Range 35 – 120 db HL
- Facility to Test Eustachian tube patency in intact with perforated Ears.
- Environmental Temperature: +15 degree Co + 35 degree C
- Print Out: 4.375" Thermal continuous strip
- With printer keyboard & VGAA Monitor

4. **Auto-Refractometer**

Specifications for Auto-Refractometer

- Measure range degree error SPH -20 ~ +20 D 0.125 d 0 ~ +/-10 D: 0 25 D 10 D ~ +/-20 D: 0.5 d. CYL -8 ~ + 8 D 0.125 d 0.25 d. AX 0 ~ 180 degree 1degree. PD 45 ~ 85 mm 1 mm
- Visual distance: 0 mm: 12 mm: 13.75 mm

- Minimum pupil diameter: 2.5 mm
- TV monitor: 5.5 inch CRT
- Eye fixation: auto-fogging system
- Alignment: pupil rings
- Power supply: AC 220 V 50Hz
- Temperature: + 5 C + 35 C

5. **Non Contact Tonometer**

Specifications for Non-Contact Tonometer

- Easy to Use Seeing eye optics, Green tracking diodes, Bow Tie Easy Activation
- Accurate
- constant puff monitoring technology
- Mobile Lightweight and portable,
- IOP range of 10mm Hg to 44mm Hg
- Optional rechargeable battery

6. **Direct Ophthalmoscope**

Technical Specifications for Direct Ophthalmoscope

- Halogen light for true tissue colour and consistent, long-lasting illumination.
- 6 apertures for general and specialist use and 28 lenses with -25 to +40 diopters for better resolution.
- Rubber brow rest prevents scratching of eyeglasses.
- red free and cobalt blue filter
- Dust free sealed optics
- Universal convertible handle
- Nickel-cadmium rechargeable battery

7. **Otoscope**

Technical Specifications for Otoscope

- Halogen light for true tissue colour and consistent, long-lasting illumination.
- Fiber optics provide cool light with no reflection, no obstruction.
- Wide-angle viewing lens allows instrumentation under magnification.
- Sealed system for pneumatic otoscopy and built-in throat illumination / penlight for added versatility.

8. **Digital Audiometer**

Technical Specifications for Digital Audiometer

- Fully digital and entirely computer-based (any platform)
- Allows for all standard audiometric tests
- Test signal type Pure Tones and Warble Tones
- Frequency range 0 Hz to 22,000 Hz
- Frequency resolution 1Hz

- Frequency stability +/- 0.0001 Hz (at 1000 Hz) S/N 96 dB (in 16 bit systems)
- Amplitude (SPL) range -20 dB to 100 dB
- Amplitude resolution 1dB
- Amplitude stability +/- 0.0003 dB
- Calibration modes Aural with ± 3 dB precision and SLM-based with ± 0.1 dB precision
- Test modes Automatic and manual with instant display of threshold values. In automatic mode one can pre-select test frequencies for fast testing (for example 500 Hz, 1 kHz, 2 kHz, 4 kHz)

9. **Electronic Weighing Machine**

Quantity required 12

10. **Visual Field Perimeter Analyzer**

Technical Specifications for Visual Field Perimeter Analyzer

- Threshold Test Library
- Central Field Test Patterns 10-2, 24-2, 30-2, Peripheral Field Test Patterns 60-4, Full Threshold
- Central Field Test Patterns, Peripheral Field Test Patterns
- Quantify Defects Screening Test Modes, Age Corrected, Threshold Related, Single Intensity
- Foveal Threshold Testing, Automatic Pupil Measurement
- Video Eye Monitor Gaze Tracking Head Tracking
- Operator Interface Touch-screen on CRT
- Motorized Chinrest
- Printer, table mounted
- Patient Data Input
- Data Storage

11. **Ultrasound Machine with Doppler Function**

Technical Specifications for Ultrasound machines

- Imaging Modes Gray-scale 2D M-mode PW Doppler Power (CPA and PMI)
- Color 2D Colour M-Mode 3D Gray scale 3D Colour Power Angio (3D CPA) Tissue Doppler Imaging
- Features Fully Digital, Broadband transducers, Contrast Harmonics available
- Tissue Harmonics 3D Colour Power Angio (for contrast imaging)
- 15-inch high-resolution monitor, DVS module for integrated stress echo XRES Extreme Resolution
- Digital Storage and Retrieval, and network capabilities available

SCHEDULE-C

Sl No	Specification asked for	Qty	Make	Model No.	Specification offered	Deviation if any
1	As per SCHEDULE-B					

- Note: 1. All pages are to be signed by Auth. Signatory.
2. Installation as per Schedule A.

(Authorized Signatory of Company)

Date:

Place:

Seal of company

TO BE SUBMITTED WITH PRICE BID

M/s_____

REASONABLENESS OF OFFERED PRICE

1. To establish the reasonableness of price / rate offered by manufacturers / suppliers, you are requested to submit a copy of the supply order (SO) most recently received by you from anyone / few of the buyers like DGAFMS, AIIMS Delhi, PGI Chandigarh, SGPGI Lucknow, Tata Memorial Hospital, Mumbai, CGHS Railways or ESI for Electro-Medical Equipment For Civil Aircrew Boarding Centers.

2. If the price offered to this directorate is higher than the price offered for others, justifications for the higher price may be mentioned along with documentary proof to support the claim.

3. In case you fail to submit this information this information before the price negotiation committee (PNC) your offer may be ignored.