

GOVERNMENT OF CHHATTISGARH

Pt. J.N.M. MEDICAL COLLEGE

RAIPUR, CHHATTISGARH



TENDER DOCUMENT

Last Date of Submission 27.02.2022 at 3.00 P. M.

Opening on dated 27.02.2022 at 4.00 P.M.

Tender No. 914 Dated. 24/01/2023

SUPPLY & INSTALLATION OF EQUIPMENT /INSTRUMENTS
FOR

BASLP Course in ENT Department

Pt. J. N. M. MEDICAL COLLEGE, RAIPUR (C.G.),INDIA

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INVITATION OF BID

Pt.J.N.M.Medical College Raipur invites bids for purchase, supply and installation of equipment as per the specification and approximate quantity give in "List" from manufacturers, OR their authorized dealers in to bid system containing(1) Pre qualification & Technical bid (2) Price bid.

Eligibility Criteria-

The following shall be the minimum eligibility criteria for selection of bidders technically and no relaxation in any terms will be accepted.

- i) The bidder must be manufacturer/Distributers/Suppliers of the equipments.
- ii) In case of Distributers/ Suppliers, Authorization Certificate from the Manufacturer must be attached by Bidder.
- iii) Bidders should have annual turnover of 01 Crore each year for last 3 Financial years.
- iv) The bidder should have their registered office/brach or distributor in Chhattisgarh(Documentary Proof required).
- v) Valid manufacturing license is essential(Document in support to be enclosed in the technical bid)

Terms & Conditions-

1. EMD of Rs 60,000(Rupees Sixty Thousand Only) has to be submitted in the form of Demand Draft in favor of Dean, Pt.J.N.M.Medical College Raipur from any Scheduled bank. Tender received without proper earnest money will be rejected straight away and no explanation shall be entertained in this regard.
2. Tender documents can be purchased from the office Dean, Pt.J.N.M.Medical College Raipur by paying Rs 1000 in Cash & Demand Draft drawn in favor of Dean, Pt.J.N.M.Medical College Raipur drawn on any Scheduled band and payable at Raipur. Tender documents can also be downloaded from the website www.ptjnmcraipur.in as per tender schedule. In such case, the tender fees of Rs 1000 in the form of DD has to be submitted along with the tender document.

3. Tender must be submitted through the speed post/registered post or courier approved by P & T department & Manual submission as per date & Time given in tender schedule. The Tenderer or their representative may be present during opening of tenders if so desire.
4. The competent authority reserves all rights to accept or reject any tender without assigning any reason therein.
5. The quantity shown in the schedule is an estimated requirement and cannot be guaranteed that the same will be ordered. No undertaking can also be given that any quantity will be purchased at all.
6. In case the quality of goods supplied are not in conformity with the standard given in tender and as per the samples supplied or the supplied or the supplies are found defective at any stage these goods shall immediately will be taken back by the supplier and will be replaced with the tender quality goods, without any delay. The Institute reserves all right to reject the goods if the same are not found in accordance with the required description/specifications and liquidates damages shall be charged.
7. Full description & specifications, latest make/brand and name of the manufacturing firm must be clearly mentioned in the tender failing which the tender will not be considered.
8. Technical evaluation includes demonstration of items by the bidder in front of the Technical committee. Place of demonstration in Pt.J.N.M.Medical College Raipur. Date and time of demonstration shall be communicated to the bidders.
9. Pt.J.N.M.Medical College Raipur shall have the right to inspect, test and where necessary, reject the Goods after the goods arrival at the final destination.
10. Items have to be delivered within 21 days of order placement. In case of non-delivery of items within this period, a penalty of 2% per month of the value shall be levied as per purchase rule.
11. No payment shall be made for rejected items. Rejected items must be removed by the bidders within 10 days of the date of rejection at their own cost and replaced immediately. No Extra Transportation Charges will be pay by the College. In case these are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

TENDERS NOT ACCOMPANIED WITH THE FOLLOWING DOCUMENTS WILL BE SUMMARILY REJECTED-

1. Bidders name and address with proof.
2. Earnest money of Rs 60,000(Rupees Sixty Thousand Only) in the form of Demand Draft.
3. Turnover certificate for last 3 years Certified by CA.
4. Valid document/certificate/drug license for selling Medical equipment.
5. Income Tax Return file for last 3 Financial year of the Firm.
6. Pan card of the firm/proprietor.
7. Valid GST Registration Certificate and self attested copy of GST return file for the last financial year 2021-22.
8. In case the Bidder is an authorized dealer, original letter of authorization and agency's agreement copy at least valid till the warranty period of the machine quoted .
9. Registration Certificate of Manufacturer/Shop Establishment Certificate/Gumashta.
10. Notarized affidavit on stamp of Rs.100 that the firm has not been blacklisted in the past by any organization is mandatory to submit.
11. Notarized affidavit on stamp of Rs.100 in respect of the tenderer having not supplied the same materials at a lower rates than the tender invited by any other organization at the rate of the material submitted in the tender.
12. In respect of which any judicial process is pending against of firm, it will be mandatory to submit notarized affidavit on the stamp amount of Rs. 100.
13. It is mandatory to submit a notarized affidavit on a stamp of Rs.100 for accepting all the terms and condition of the tender.

BID -1

Technical Bid-

1. Tenderers have to give technical compliance statement to each clause of tender specification in the form of Yes or No. Any deviation should also be included. (It should be in tabular form)

2. Technical Catalogues & literature should be mandatory submitted manually for verification of above.

3. Clear scope of supply with standard & essential accessories for completeness of equipment in terms of specification.

4. Technical demonstration-Bidder shall demonstrate the items in front of the Technical committee. Place of demonstration is Pt.J.N.M.Medical College Raipur. Date and time of demonstration shall be communicated to the bidders separately.

BID -2 (Price Bid)

Price bid for items per unit quoted clearly indicating the quoted prices online in words and figures. Rates to be quoted as per the format in the tender document.

SPECIAL CONDITIONS OF CONTRACT

BID PRICE

1. The Bidder shall indicate the appropriate price only in prescribed format. Under columns duly marked as "unit price"(where applicable) and "total bid price" of the equipment proposed to be supplied under the contract.
2. Prices indicated on the price schedule shall be entered separately on firm & final basis. GST should be mentioned separately.
3. The price bid for each item/ group to commensurate with scope of supply indicates all inclusive price in for destination.
4. The bidders should provide at least two last selling prices for the quoted item along with addresses and purchase order copy with specification issues by the purchaser to the firm, as and when demanded by tendering authority.

PERIOD OF VALIDITY OF BIDS.

1. Bids shall remain valid for 1 year from finalization of the tender. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.

DEADLINE FOR SUBMISSION OF BIDS

1. The bids must be submitted as per the schedule in the tender document.
2. The Purchaser may, at its discretion, extend the deadline for the submission of bid by amending the bidding documents in which case all rights and obligation of the purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

REPLACEMENT AND WITHDRAWAL OF BIDS

1. No bid may be modified or withdrawn after the deadline for submission of bids.

PURCHASER RESERVES RIGHT TO VARY QUANTITIES AT THE TIME OF AWARD AND DURING CURRENCY OF THE CONTRACT.

The Purchaser reserves the right at the time of award of contract or during the currency of the contract to increase or decrease the quantity of all goods and services, originally specified in the schedule of requirements without any change in unit price or other terms and condition.

NOTIFICATION OF AWARD

1. Prior to the expiration of the period of bid validity, the purchaser will notify the successfully bidder in writing by registered post that its bid has been accepted.
2. The notification of award will constitutes the formation of the contract and date of the contracts shall be the date of notifications.

SIGNING OF CONTRACT

At the same time as the purchaser notifies the successful Bidder that its bid has been accepted, the Bidder shall sign the contract form provided in the bidding documents, incorporating all agreements between the parties within thirty 30 days of notification of award.

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MANIFESTO

1. That our organization has not been sued and accused by any institution/individual for all the service provided under this tender.
2. We declare that our organization has an unblemished reputation and has not been disqualified for any corruption or fraud by any state/Central Government/Public Sector Undertaking.
3. Our institute has not been blacklisted by any government/semi government organization in the last 2 years.
4. All the terms and conditions shown in the tender will be accepted by our organization.

Firm

Name-----

(Note-It will be mandatory for the tenderer to agree to all the terms and conditions of the tender in the above declaration on a stamp paper of Rs. 100/-)

AGREEMENT FORM

(To be made on Rs.100.00 Non Judicial Stamp Paper)

DRAFT AGREEMENT FORMAT

This agreement is made at Raipur on the _____ day of _____ 2022
between the (Name of the Institution) (hereinafter "the purchaser") of the one part and-----
------(Name of Supplier) of-----
------(city and country of supplier)(hereinafter called "the Supplier") of the other part:

WHEREAS the purchaser has invited bids for M EDICAL/HOSPITAL/GENERAL
EQUIPMENT and ancillary services.(Brief Description of goods and services) and has accepted a
bid by the supplier for the supply and installation of the Medical Equipment-----
-----in-----the-----sum-----
-----of-----

(Agreement price in words and figures) (Hereinafter called "the Agreement Price")

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- a. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the conditions contract referred to.
- b. The following documents shall be deemed to form and be read and construed as part of this Agreement Viz.

The price schedule submitted by the Bidder;

The Technical Specifications;

The General& Special Conditions of Contract;

The Purchaser's Notification of award.
- c. In Consideration of the payments to be made by the purchaser to the supplier as hereinafter mentioned, the supplier hereby covenants with the purchaser to provide the goods and service and to remedy defects therein in conformity in all respects with the provisions of the contract.

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d. The Purchaser hereby covenants to pay the supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

WITNESS where of the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signature of the authorized Official
Name of the Official
Stamp / Seal of the 'Agency'
SIGNED, SEALED AND DELIVERED
By the said.....
.....(Name)

Signature of the authorized Official
Name of the Official
By the said.....
.....(Name)

1. on behalf of the 'Agency' in presence
of
Witness.....
Name.....
Address :

on behalf of the (Institution)
presence of
Witness.....
Name.....
Address.....

PRICE SHCEDULE FORMAT

S.No.	Dateils Items	of Unit (One)	Make	Basic Rate/Unit	Gst%	Gst Amount	Total rate
1	OAE Machine						
2	Brainstem evoked response audiometer with ASSR & OAE						
3	TE+DP OAE Scanner						
4	Clinical Audiometer without Thermal Printer (Model: Piano Plus VRA)						
5	Earmould Lab for soft and hard ear mould making						
6	Hearing Aid Analyser (EAC)						
7	Portable/Screening impedence audiometer						
8	Clinical Immitance Audiometer						
9	Otoscope with tuning fork						
10	NOAH Link wireless						

To be printed in bidders letterhead and signed on all page with rubber stamp.

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Check List of the Documents to be Submitted with the Tender

S.no.	Item	Confirm(Yes/No)
1.	Bidders name and address with proof.	
2.	Earnest money of Rs. 60,0000/-in the form of DD	
3.	Turnover certificate for last 3 years.	
4.	Valid document/Certificate/drug license for selling Medical Equipment	
5.	Income Tax Return file for last 3 Financial year of the Firm	
6.	PAN card of the firm/Proprietor,	
7.	Valid GST Registration Certificate and self attested copy of GST return file for the year 2021-22	
8.	In case he Bidder is an authorized dealer, original letter of authorization and agency's agreement copy at least valid till the warranty period of the machine quoted	
9.	Registration Certificate of Manufacturer/Shop Establishment Certificate/Gumashta.	
10.	The firm has not been blacklisted in the past by any organization is mandatory to submit	
11.	Notarized affidavit on stamp of Rs. 100 in respect of the tenderer having not supplied the same materials at a lower rates than the tender invited by any other organization at the rate of the material submitted in the tender.	
12.	It respect of which any judicial process is pending against of firm, it will be mandatory to submit notarized affidavit on the stamp amount of Rs 100	

Instrument / Equipment Specification-

S.No	Equipment	Detailed Specifications
1	OAE Machine	<p>Specifications for Diagnostic Otoacoustic emissions system having minimum 8 points/octave TEOAE, DPOAE and SOAE</p> <p>Facility for doing TEOAE, DPOAE and SOAE</p> <p>DPOAE RECORDING SPECIFICATIONS</p> <ul style="list-style-type: none"> • High resolution DPgram up to 8 points per octave (27 frequencies shown) Pre-set and customisable stimuli) • Programmable L1 and L2 level, frequency ratio, points/octave, frequency range, • manual/automatic/intelligent frequency progression • Total DP power assessment • DP I/O growth rate analysis, dB/dB or scissor optimized stimuli • Simultaneous binaural recording • True time domain averaging and noise statistics • Ultra-secure SNR assessment • Total DP power assessment <p>TEOAE RECORDING SPECIFICATIONS</p> <ul style="list-style-type: none"> • Click stimulus or configurable tone pulse Configurable stimulus intensity. • In-the-ear calibration • Real-time stimulus and probe fit monitoring • OAE dBSPL and reproducibility in half-octave bands plus stimulus and response waveforms Simultaneous binaural recording <p>ANALYSIS TOOLS</p> <ul style="list-style-type: none"> • Examine/compare feature for DP-DP, TE-DP and TE-TE • Full cross correlation, frequency analysis with reproducibility and signal-to-noise data on single test or between test pairs • Waveform analysis with response subtraction • Detailed TEOAE spectrum analysis (50Hz resolution). • Half-octave OAE power assessment • Full numerical OAE data table provided <p>DATA HANDLING</p> <ul style="list-style-type: none"> • Fully searchable patient database with printable reports • Exportable data to OZ, Hi*Track, XML, Excel and ASCII (user selectable data elements) • Integration of multiple sites, testers and machines • Ability to run from a network and with a network databases

		<p>ACCESSORIES TO BE SUPPLIED OTHER THAN STANDARD ACCESSORIES</p> <ul style="list-style-type: none"> • 2 set of DPOAE Probe • USB cables as per user site • Test cavity • Starter Kit 5 box of starter tip box • Operation/ Multilingual CE manuals • Services manual <p>COMPUTER SPECIFICATION</p> <ul style="list-style-type: none"> • Processor: Intel core i710th gen • Operating system: Windows 10 Professional compatible with latest OAE software version • Display size: 24" wide • RAM: 8 GB DDR4-3200 SDRAM • Hard drive: 1 TB 7200 rpm SATA HDD + 256 GB SSD • Optical drive: Super multi DVD+/- RW with double layer support • Ethernet: Integrated 10/100/1000 GbE LAN • Connectivity: VGA, USB, HDMI, Built in Wi-Fi, Bluetooth • Sound card: Intel high definition audio 2.0 • Graphics: Intel® UHD Graphics • Ports: USB ports • Wireless Optical mouse and wireless key board
2	Brainstem evoked response audiometer with ASSR & OAE	<p>Specifications for the Auditory Evoked Potential equipment</p> <ul style="list-style-type: none"> • Number of channels: 2 • Amplifier gain: upto 150000 • Analysis time: upto 1000 ms • Stimulus: Clicks, Filtered clicks, Chirps, Tone-bursts with frequencies from 250 Hz to 8000 Hz, Speech, Provision to load external stimulus in .wave format • A/D resolution: 16 bit • Low-pass filter: 30 Hz to 3000 Hz • High-pass filter: 0.1 Hz to 300 Hz • User modifiable frequency specific SPL to HL & nHL: • Present Stimulus intensity : upto 110 dB nHL for AC and 80 dB nHL for BC Stimulus

- Duration: upto 500 ms
- Rate: 0.1 to 150/s in 0.1/s steps
- Masking: White noise, programmable levels
- Facility to add, subtract, multiply & cross-correlate recordings: Present
- Transducers: Insert earphones, headphones, bone vibrator, tiptrode, and loud speakers
- Test facilities: ASSR, ECochG with facility for calculation of area ratio of SP and AP, ABR (speech, click, tone-burst and chirp evoked), MLR, ALLR, P300, MMN, air-conducted and bone-conducted cVEMP and oVEMP with EMG monitoring using bio feedback and EMG normalization for ipsilateral and contralateral responses.
- A computer with necessary hardware and software for above mentioned test facilities Operational and service manual to be provided
- Should work with 220 V/ 50 Hz power supply
- To be supplied along with a computer (specifications enclosed)

Technical specification of all in one Desktop computer

- Processor: Intel i7
- Operating system: Windows 10 or above Display size: 21" or more, wide screen
- RAM: 16GB
- Hard drive: 1000 GB SATA
- Optical drive: DVD RW with double layer support Ethernet: 10/100/1G LAN
- Colour Printer
- Warranty: 3 years onsite
- Sound card: Intel high definition audio 2.0 or above Ports: Multiple USB ports (>3)
- Optical wireless mouse and wireless keyboard

3

**TE+DP
OAE
Scanner**

Technical Specification of Portable Oto-Acoustic Emission Screener

General

- External Power supply: 220v, 50 Hz with inbuilt rechargeable battery &
 - Charging unit
- Testing time should not exceed 10 – 15 sec

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		<ul style="list-style-type: none"> • Customized protocol - Facility to edit the protocol used • Detailed view of the test with printing facility • Users manual & Service manual • Screening and Diagnostic mode • Provision of Automatic pass/ refer indicators with each frequency SNR values • Inbuilt storage facility (Minimum of 500 individuals both TEOAE & DPOAE) • Replacement Probe tip/kit (Additional 02 sets) • Etymotic ER -10D probe with adult, Children & newborn tips (02 Boxes) • Probe mount kit (cable clip); Equipment desk holder and charger with wallmount and probe Cleaning kit; Calibration/test cavity • Fast, noise-resistant (High noise immunity) OAE recording with noelectrical interference, preferably online noise indicator (desirable) • Additional Hardware and Software if required for Calibration • Synchronous data display on PC – both stand alone and computer based • PC Interface - Data transfer to PC and printing facility and software suite • Automatic shutdown if not in use and LED indication/display for lowbattery • Facility to upgrade to higher version and to incorporate additional test if any for the same module. (Hardware & Software). • Carrying case preferably backpack & Dust Cover (Infection control cover) • Ear muff – 1 Set [R&L] – Should have NRR >25dB, Adjustable for all agegroups [New Born to Adult] and facility to detach from head band separately
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		<ul style="list-style-type: none">• Additional grey/black ear cotton sponge pads used as replacement for earmuffs preferable rectangular opening inside – 1 pair [R&L]• Facility to perform screening and diagnostic testing with TEOAE andDPOAE <table><tr><th>Technical Specifications</th><th>TEOAE (Linear and non linear)</th><th>DPOAE (Distortion products)</th></tr><tr><td>Frequency range</td><td>500 to 8000 Hz</td><td>500 to 12,000 Hz</td></tr><tr><td>Frequency resolution</td><td>50 Hz</td><td>5, 10, and 25 Hz programmable</td></tr><tr><td>Frequency accuracy</td><td>±0,01% of displayed value</td><td>±0,01% of displayed value</td></tr><tr><td>Stimulus intensity</td><td>85 dB SPL ± 3 dB</td><td>0 to 90 dB SPL</td></tr><tr><td>Level measurement accuracy</td><td>±2 dB SPL</td><td>±2 dB SPL</td></tr><tr><td>Dynamic range</td><td>90 dB SPL</td><td>90 dB SPL</td></tr></table> <p>Note: The specifications of the equipment quoted should be provide in the tabular form for comparisons with our specifications and training of equipment should be given at the time of installation</p>	Technical Specifications	TEOAE (Linear and non linear)	DPOAE (Distortion products)	Frequency range	500 to 8000 Hz	500 to 12,000 Hz	Frequency resolution	50 Hz	5, 10, and 25 Hz programmable	Frequency accuracy	±0,01% of displayed value	±0,01% of displayed value	Stimulus intensity	85 dB SPL ± 3 dB	0 to 90 dB SPL	Level measurement accuracy	±2 dB SPL	±2 dB SPL	Dynamic range	90 dB SPL	90 dB SPL
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Level measurement accuracy	±2 dB SPL	±2 dB SPL																					
Dynamic range	90 dB SPL	90 dB SPL																					
4	Clinical Audiometer without Thermal Printer (Model: Piano Plus VRA)	<p>Technical Specification: Dual Channel Audiometer</p> <p>Channels: Two separate and identical channels Stand alone module (non computer based)</p> <p>Intensity</p> <table><tr><td>AC</td><td>-10 to 120 dB HL.</td></tr><tr><td>BC</td><td>-10 to 75 dB HL</td></tr><tr><td>AC High Frequency</td><td>-20 to 100 dB HL</td></tr></table>	AC	-10 to 120 dB HL.	BC	-10 to 75 dB HL	AC High Frequency	-20 to 100 dB HL															
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BC	-10 to 75 dB HL																						
AC High Frequency	-20 to 100 dB HL																						

		<p>Frequency range: 125 – 12,000 Hz 8-20 kHz (with HDA-200 headphones)</p> <p>Frequency resolution: 1/2 to 1/24 per Octave</p> <p>Stimulus Input: Tone, pulse, warble, Tape and/or CD/ computer, microphone, Speech from Hard-Drive</p> <p>Masking: NBN, WN, SN, Ipsi Masking</p> <p>Output Transducer: AC – TDH 39/50, <ul style="list-style-type: none"> • BC – B 71, • High Frequency – HDA 200 Free field speakers • Insert phones 3A/5A • Single Insert for masking (If Applicable). Talk over Microphone built-in or external microphone • Monitor Head Set built-in speaker or ext. earphone or speaker </p> <p>Facilities</p> <ul style="list-style-type: none"> - Pure tone Audiometry <ul style="list-style-type: none"> - Air conduction - Bone conduction - Free field - Speech Audiometry <ul style="list-style-type: none"> - Air conduction - Free field <p>Special Test:</p> <ul style="list-style-type: none"> - On Board VRA Control ABLB - SISI - User Defined Test (MLB, Lombard test, pure tone & Speech Stranger, SAL, Doerfler – Stewart test) PC interface USB <p>Accessories:</p> <ul style="list-style-type: none"> - Integrated Computer system (with Core i5 Intel processor, 4GB RAM, minimum 19 inch screen size) compatible for VRA system. - TDH 39/50 - HDA 200
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		<ul style="list-style-type: none"> - B 71 - Standard Insert phones ER 3A/ ER 5A - Single Insert Phones for Masking if applicable - Sound field loudspeaker with appropriate wall mount stands - Monitor Head phone with boom microphone - Assistant head phone - Desktop microphone - Monitor speaker - Talk back microphone - Patient responder - Power supply and main cable - Path cords for all transducer and VGA cables for monitors for 2 roomsituation - Extra LCD/LED Monitor Screen for VRA 2nos. for each audiometer min 19inch screen with Wall mounting plates - Connection cable - User manual - Service manual <p>Standard: Audiometer: EN 60645 -1 / ANSI S3.6, Type 1</p> <p>Speech: EN 60645-2 / ANSI S3.6 type A-E</p>
5	Earmould Lab for soft and hard ear mould making	<ol style="list-style-type: none"> 1. Uv Light curing Unit 1 2. Hydrogen Melting Pot 1 Unit 3. Wax Melting Pot 1 Unit 4. Marothone Drill unit 5. Thermometer 1 Unit 6. Drill Set for Soft 3 Nos. 7. Drill Set 10 Nos. 8. Hand Drill for Soft 1 Unit 9. Grinder Motor 1 Unit 10. Dippine Hokk 1 Unit 11. Mixins Spatula 1 Unit 12. Tweezers – All Wpe 3 Nos. 13. Table Lamp 1 unit 14. Scissors 1 Unit 15. Metal Trav 1 Unit 16. Oil Spoon 1 unit 17. Knife 1 Unit 18. Marker Pen 1 Unit 19. Inject Pistol 1 Unit

		20. Grindig Sleeve Holder Small 1 Unit 21. Grindine Sleeves Small 10 Nos. 22. Pressure Pot 1 Unit 23. Air Pump 1 Unit 24. Investment Form 8 Unit 25. Lacqering Brush 1 Unit 26. Scand Paper 2 Sheets 27. Crocodile Clip 1 Unit 28. Transparent Cup/ Glass 1 Unit <u>CONSUMABLES</u> 1. Bioppore AB 40Shore Cartidge 8 Nos. 2. Mixine Cannulas 50 Pcs 3. Super Wiz 5 Tubes 4. Impression Material 800grams x 2 5. Hydrogel 6 Kg. 6. Diping Wax 500grams. 7. Laquer L Shine Lacquer 50grams 8. LP/H Pink Transparent (500grams)500 grams 9. LP/H Shine Laquer Hard 50grams 10. Beige Shell Material 600gram 11. Beige Modelling Paste Materils 20grams 12. Glycerine To Be Purchased Locally 13. Alcohol To Be Purchased Locally
6	Hearing Aid Analyser (EAC)	Accoustic Drive Signal Frequency: 200-800Hz in 100Hz intervals Amplitude: Chamber 40-100 dB SPL in 5dB steps Sound Field: 40-90 dB SPL in 5-dB steps TELE COIL DRIVE SIGNAL 1,1.78,3.16,5.62,10,17.8,31.6,56.2, 100mA/meter ANSI S 3.22-2009, IEC 60018-7:2005 with teleward DIGITAL READOUT OF SOUND PRESSURE LEVEL Frequency Range 200-800Hz Amplitude Range 0-150dB SPL Resolution: 01. dB. Accuracy (M1950E only) ±1 (300-500 Hz), ±2 (all other frequencies) Equivalent Input Noise: Less than 50dB RMS (M1950E only) BATTERY CURRENT MEASUREMENT Range: 0-25 mA

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		<p>Accuracy: $\pm 3\%$ Resolution: 0.01 mA Test modules: standard, mA vs frequency, mA vs Amplitude , Estimated battery life</p> <p>HARMONIC DISTORTION ANALYZER Type: 2nd , 3rd , Total (2nd plus 3rd) Resolutio: 0.1%</p> <p>ATTACK/RELEASE TIME Range: 1.25-500ms. Accuracy: $\pm 10\%$ Signals: Composite, puretone: 200-8000Hz in 100Hz inter- vals, or by standard specification</p> <p>TEST STIMULI Composite, puretone, Digital Speech</p> <p>FILTERS B ANSI, ICRA, Flat</p> <p>TEST SEQUENCES Choose one with instruments. Others can be added as options. ANSI 3.22 (87/96/03), ANSI S3.42 (included with ANSI), IEC 60118-7 (94/05), JIS Transducer: Bi-directoional Turbine Cartidge Caliberation: Using a 3.oL caliberation syringe Test Performed: FVC, Pre/Post Testing, Flow Volume Locp, MVV, SVC Predicted Normal: Indian Predicted equations, Barcelona, ECCS /ERS 93, ITS-Black, ITC-White, Kundson 83 LAM Measurement Time: Up to 30 seconds Parameter Measured: 31 FVC, 11-SVC and 6 MVV</p> <p>DISPLAY Screen Type ; Colour TFT with Touch Screen Display Area: 3.5 inch wide Resolution: 320x420 Pixels</p> <p>ELECTRICALS Battery: 7.4V 2.2Ah Li-ion can give more than 100 patient recording on a single charge Recharge Time: 3-4 hours for fully discharged battery Power Supply: 9V, 3A DC Adapter</p> <p>GENERALS Size: 216mm(L) x 147 mm(w) x 61(H)</p>
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		<p>Weight: 800gram Paper : 106mm wide thermal paper in 20mm Roll LED Indicators: Mains connected, low battery, no paper, hand set</p> <p>OPERATING ENVIRONMENT Temperature: 0° to 45° C Humidity 5-95% RH, non-condensing Storage -25 to 70° C</p> <p>ADDITIONAL SCREENS Enhanced DSP (group delay and phase), Input/Output, Attack & Release, Battery Current, Coupler Multicurve</p> <p>REAL EAR SCREENS Audiograms entry, Target Edit, Inspection gain, Real-ear, Visible Speech</p> <p>PRIMARY POWER 100-240 VAC, 50/60 Hz. Power requirement is 50VA.</p> <p>DIMESNION (MAIN MODULE) Size: 17.4"Wx6.5"Hx14.6"D(44.2x16x37.1cm) Weight: 17lbs. (7.7kg).</p> <p>PRINTER High speed thermal, 4.41" (112mm) width 80mm/s Speed External (optional): Prallel, HPCL v3 or Epson stylus series</p> <p>TEST CHAMBER Test Area: 7"x7.5"x1.5 deep (17.8 x 19.1 x3.8cm) Noise Isolation: 45dB at 1 Khz Size: 1.5" x 18" x 11.5" (34.3 x 45.7x 29.2 cm) Weight: 36lbs (16.3Kg)</p>
7	Portable/ Screening impedence audiometer	<p>Technical Specifications:</p> <p>Impedance:</p> <ul style="list-style-type: none"> Probe Tone Frequency: 226 Hz $\pm 1\%$ & 1000 Hz Probe Tone Intensity : 85 dB SPL ± 1.5 dB Pressure Range : +300 to -600 daPa Accuracy : $\pm 5\%$ or ± 10 daPa Compliance Range: 0.1-6 ml. High Frequency 0.3 to 12 mmho Compliance Accuracy: $\pm 5\%$ or 0.1 ml.

		<p>Acoustic Reflex:</p> <ul style="list-style-type: none"> • Auto Reflex Detection. • Multiple Reflex stimuli. • Stimulus Duration: 1.0 sec. • Reflex Acceptance: Adjustable between 2% and 6%, or 0.05 – 0.15 mlchange of ear canal volume. • Ipsi Frequencies : 500, 1000, 2000, 3000, 4000 Hz, • Intensity (Max.): 100, 105, 110 dBHL. • Contra Frequencies : 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz, • Intensity (Max.): 90, 100, 120, dBHL. <p>Special Tests:</p> <ul style="list-style-type: none"> • Tympanometry : Automatic or Manual • Reflexometry: Automatic or Manual (Ipsi& Contra) • Reflex decay: Automatic or Manual (Ipsi& Contra) <p>Computer Communication:</p> <ul style="list-style-type: none"> • Built-in USB input/output computer interface. One mode allows the computer to both monitor and control. Control actions will be indicated on the operation panel and the display. <p>Accessories to be supplied</p> <ul style="list-style-type: none"> • Clinical Probe System • Inserts phone for Contralateral reflexes • Wireless accessories if any to connect to PC through wireless mode • Power Cable (As per Indian standards) • Box of Assorted Ear tips 5boxes • Operation/ Multilingual CE manuals • Services manual <p>Calibration:</p> <p>Impedance: IEC61027, ANSI S3.39 Audiometer: ISO 389-1, ANSI S3.6</p> <p>Standards:</p> <p>Impedance: IEC 61027, ANSI S3.39, Type 2 Safety: IEC60601-1, Class 1, Type B, EMC: IEC60601-1-2</p> <p>Warranty:</p> <ul style="list-style-type: none"> • Onsite warranty for the period of 03 years
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		<p>Installation</p> <ul style="list-style-type: none"> • Equipment shall be installed to the area/hospital specified in-person at the time of purchase order and the training of the staff on the usage of the equipment and baiss trouble shooting should be carried out. • Any new model quoted should be demonstrated before the delivery of the equipment to the patent company. <p>Supply of Mini Desktop</p> <ul style="list-style-type: none"> • Processor: Mini/Tiny/Small PC Desktop • OS: Windows 10 Pro minimum of 64 bits • Speed: Minimum of Intel® core™ i5 6th Gen, quad core High speed processor. • RAM: Minimum of 4GB 2500 MHz DDR4 & Upgradable • Storage: Minimum of 1 TB HDD SATA and upgradable • Video card: Integrated Intel HD graphics video card • Monitor: Minimum of 19 inch LED/LCD widescreen • Ports: Latest USB port (minimum 04 Ports) HDMI port, VGA port, Ethernet port, Audio Line out port <p>Others:</p> <ul style="list-style-type: none"> • USB Type Keyboard with mouse, inbuilt Wi-Fi with Webcam facility • Manuals, Software, CDs and drivers pre-installed
8	Clinical Immitance Audiometer	<p>DIAGNOSTIC IMMITTANCE METER WITH HIGH FREQUENCY AND MULTI COMPONENT TYMPANOMETRY AT MULTIPLE FREQUENCY</p> <p>Technical Specifications</p> <p>Impedance:</p> <ul style="list-style-type: none"> • Probe Tone Frequency: 226 Hz $\pm 1\%$ • High Freq. Probe Tones: 678 and 1000Hz. • Probe Tone Intensity : 85 dB SPL ± 1.5 dB • Pressure Range : +400 to -600 daPa • Accuracy : $\pm 5\%$ or ± 10 daPa • Compliance Range: 0.2-8 ml or higher • Press. Change: 50, 100, 200, 300 daPa/sec, AUTO

Tender

		<ul style="list-style-type: none"> • High Frequency : 0.3 – 12 mmho • Compliance Accuracy: $\pm 5\%$ or 0.1 ml. • Manual pump control • Multi component testing <p>Reflex:</p> <ul style="list-style-type: none"> • Manual or automatic testing with 18 stimuli to each ear. • Auto Reflex Detection. • Multiple Reflex stimuli. • Stimulus Duration: 1.0 sec. • Reflex Acceptance: Adjustable between 2% and 6%, or 0.05 – 0.15 ml change of ear canal volume. • Ipsilateral Reflex Frequencies: 500, 1000, 2000, 3000, 4000 Hz, wide band, high and low pass Noise. Intensity (Max.): 100, 105, 110 dBHL. • Contralateral Reflex Frequencies: 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz, wide band, high and low pass Noise. Intensity (Max.): 90, 100, 120 dBHL <p>Reflex Decay:</p> <ul style="list-style-type: none"> • Stimulus Duration: Reflex decay: 10 or 20 sec • Stimulus Frequency: Ipsi and Contra as above. • Stimulus Intensity: Ipsi and Contra as above. <p>Tests:</p> <ul style="list-style-type: none"> • Tympanometry : Automatic & Manual • Reflexometry including reflex decay: Automatic & Manual. • Eustachian Tube : Automatic & Manual function test (for both perforated & non perforated eardrums) • Multi-component tympanometry : B, G and Y plot at 226, 678 and 1000 Hz Frequency <p>Computer Communication:</p> <ul style="list-style-type: none"> • Built-in USB input/output computer interface.
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		<p>Accessories to be included with each equipment:</p> <p>All in One Desktop PC Technical Specifications for All in one Desktop Computer <i>Type:</i> All in one Desktop computer <i>Processor:</i> Intel Octa Core i7 8th gen <i>Operating system:</i> Latest Windows professional compatible with latest Immittance software version <i>Display size:</i> Minimum 21" wide <i>RAM:</i> 16 GB DDR 4 <i>Hard drive:</i> 1TB SATA <i>Optical drive:</i> Super multi DVD+/- RW with double layer support <i>Ethernet:</i> 10/100/1G LAN <i>Connectivity:</i> VGA*1, USB*4, HDMI*1, Built in Wi-Fi, Bluetooth <i>Sound card:</i> Intel high definition audio 2.0, <i>Optical mouse, Key Board (Wireless)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Probe assembly (with contralateral insert phone) <input type="checkbox"/> Eartips (standard, infants, children, adults) 10 box with each equipment <input type="checkbox"/> Printer paper, rolls thermal, self-adhesive roll 25 rolls with each equipment <input type="checkbox"/> Calibration test cavity 2 set with each equipment <input type="checkbox"/> Cleaning kit, Probe mount kit (shoulder, clip, wrist band) 2 sets with each equipment <input type="checkbox"/> Quick User Guide <input type="checkbox"/> Instruction Manual <input type="checkbox"/> Service manual <p>Standards: Impedance: IEC 61027, ANSI S3.39, Type 2 Safety: IEC60601-1, Class 1, Type B, EMC: IEC60601-1-2</p>
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9	Otoscope with tuning fork	<p>TECHNICAL CHARACTERISTICS</p> <ul style="list-style-type: none"> • At least 2.5 V Xenon or Halogen light source. • Should be a convenient pocket type otoscope. • Swivelling viewing with at least 3x magnification. • Should be able to detach the otoscope head. • Should provide no reflections and obstructions. • Should provide detachable accessories of various sizes. • Should have in built rechargeable battery. Recharge should be possible with direct mains supply • Should have in built rechargeable battery. <p>ACCESSORIES, SPARE PARTS, CONSUMABLES</p> <ul style="list-style-type: none"> • Set of plastic specula, varying diameters between 2.0 and 5.0 mm Two spare bulbs • At least n. 10 reusable (autoclavable) otoscope specula for each one of the following measure: 2, 3 and 5 mm. <p>TECHNICAL CHARACTERISTICS (Tuning Fork)</p> <ul style="list-style-type: none"> • Made up of Steel/Copper • Total no of 4 in one set (125Hz, 256Hz, 512Hz, 1024 Hz) • Should be in Fundamental (XT cut) Mode of Oscillation. • 3 drops from 75 cm onto a hard wood board; ± 5 ppm maximum frequency change • 10 to 55 Hz, 1.5 mm double amplitude, 1.5 minute sweep, 2 hrs. in each of 3 mutually perpendicular axes, 6 hrs. total; ± 5 ppm maximum frequency change 4.should be Moisture Sensitivity Level MSL1 type
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10	NOAH Link (Wireless)	<p>Technical Specifications:</p> <ul style="list-style-type: none"> • Operating range: 10 feet (3 meters) • Wireless (2.4 GHz): BT LE: 2402-2480 MHz • Proximity: 2404-2478 MHz • Modulations: GFSK • Number of channels: BT LE: 40 • Proximity: 38 channels available but protocol chooses 16 out of 38 • Data rate: BT LE: 1/ Mbit/s • Proximity: 2 Mbits/s • Output power: BT LE: 4.264 dBm eirp • Proximity: 16.457 dBm eirp • Antenna: Internal antennas, Gain: 3dBi • Operating temperature: 0°C to 55°C (32°F - 131°F) • Storage temperature: -20°C to 60°C (-4°F - 140°F) • Power supply: Powered by the USB port of a PC • Operating Voltage: 5 VDC <p>Temperature test, transport and storage information</p> <p>The product is subjected to various tests in temperature and damp heating cycling between -25 C and +70 C according to internal and industry standards.</p> <p>Warranty:</p> <p>The Noahlink Wireless programming interface is covered by a limited warranty issued by the manufacturer for a period of 12 months from the date of original purchase.</p>
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Handwritten signatures in blue ink, including a large signature in the center and several smaller ones to the right.