

**NATIONAL INSTITUTE FOR THE EMPOWERMENT OF PERSONS WITH
INTELLECTUAL DISABILITIES (DIVYANGJAN)**

(Formerly National Institute for the Mentally Handicapped)

Manovikas Nagar, Secunderabad – 500 009

Web Site: www.niepid.nic.in

Mail Id: purchase.nimh2011@gmail.com

Ref.:CRC-DVG/S&P/E&I/12

Dt. 27.04.2018

NOTICE INVITING TENDER

E-tenders are invited for supply, installation and commissioning of Equipment and Instruments from Manufacturers/Authorised Dealers. The quotations are to be submitted on or before 23.05.2018 by 1500 hrs. as per the terms and conditions prescribed. For further details please log on to website: www.eprocure.gov.in.

TENDER SCHEDULE

Ser.	Description	Schedule
1.	Name of the work	supply, installation and commissioning of Speech & Audiology Equipment
2.	Estimated value of the tender	Rs.9.00 Lakhs
3.	Earnest money deposit (EMD)	Rs.18,000.00
4.	Cost of tender document	Rs.1000.00
5.	Last date & time for submission of tender	23.05.2018 by 1500 hrs.
6.	Tender opening date & time (only Technical bid)	24.05.2018 by 1500 hrs.

Director

Online tenders are invited for Supply, Installation and Commissioning of "**Equipment and Instruments**" as per details and specifications shown in **Annexure- 02**

TERMS & CONDITIONS

(A) ELIGIBILITY CRITERIA:

The tenderers must fulfill the following eligibility criteria failing which their offer will be summarily rejected: -

1. The tenderer must possess required valid licenses, Registration etc. issued by the Competent Authority as per law.
2. If the tenderer is the authorized dealer/sole distributor of Equipment and Instruments, the Certificate to this effect should be attached (not applicable for the manufacturer of the product).
3. The tenderer must have completed satisfactorily during the last 03 Financial Years (2014-15, 2015-16 and 2016-17) and the Current Financial Year combined, at least
 - (a) One supply order of Rs.3.60 Lakh or more,**OR**
 - (b) Two supply orders of Rs.2.70 lakh each or more,**OR**
 - (c) Three supply orders of Rs.1.80 Lakhs or more

issued by any Govt./Autonomous/PSU Organisation (Central or State) for supplying the same or similar item.

[**N.B.:** (i) the supply in progress irrespective of any value against any supply order not satisfactorily completed/executed shall not be considered; (ii) Supply in any private organization shall not be considered.]

4. The tenderer must have the annual turnover of at least Rs.18,00,000.00 (Rupees Eighteen Lakhs only) or more during each of the last 03 Financial Years (2014-15, 2015-16 and 2016-17).
5. **The tenderer must deposit cost of tender document of Rs.1000.00 (Rupees One Thousand only) and Earnest Money of Rs.18,000/- (Rupees Eighteen thousand only) along with their tender. The cost of tender document and Earnest Money Deposit is required to be transferred through NEFT/RTGS to "CRC, Davangere, A/c No. 105501621000001, IFSC Code – VIJB0001055, Vijaya Bank, Davangere Branch on or before opening of the tender. The details of UTR Nos. are to be uploaded alongwith the tender document as proof of the payment through NEFT/RTGS.**
6. The tenderer must have its own Bank Account, PAN, TAN, GSTIN No.

7. The tenderer must submit the following documents (self-attested) along with the tender (scanned and uploaded with the tender document):

- (a) Documentary proof of the registration/license etc. issued by the Competent Authority.
- (b) Satisfactory completion certificate issued by the concerned Govt./Autonomous/PSU Organization (Central or State) under the signature of the appropriate authority as regards Sl.No.3 above. The certificate must contain (i) Full name (with description) of items supplied (ii) Supply order No. (iii) Supply order date (iv) Quantity supplied (v) Value of the complete supplies made (vi) Commencement of date of supply (vii) Completion of date of supply (viii) Whether the supply was made satisfactorily or not.
- (c) Copy of income tax return and annual accounts of the last 03 Financial Years.
- (d) Photocopies of bank account, PAN, GSTIN, TAN Nos. etc.
- (e) The details of UTR No. is to be uploaded along with the tender document as proof of the payment through NEFT/RTGS Earnest Money of Rs.18,000/- (Rupees Eighteen thousand only) along with their tender.
- (f) The details of UTR No. is to be uploaded along with the tender document as proof of the Cost of Tender Document through NEFT/RTGS for Rs.500/- (Rupees Five hundred only) along with their tender.
- (g) Certificate of dealership/distributorship as applicable.

(B) OTHER TERMS & CONDITIONS:

1.0. Submission of Bids: The tenderer shall submit separately two bids:**Technical Bid and Financial Bid.**

1.1 Technical Bid: The technical bid should be submitted online in eprocuremetn containing the information detailed at **Annexure-01 & 02.**

1.2 Financial Bid: The financial bid should be submitted separately strictly in the format at **Annexure-03.**

1.3 Mode of Submission. (i) "Technical Bid" & "Financial Bid" **online in eprocuremen** as "**Technical Bid**" & "**Financial Bid**" **seperately.**

(iii) Tenders/bids submitted through post/fax will not be considered at all.

1.4 Bid Opening. Technical bids shall be opened first. Subsequently, Financial bids of only those tenderers whose technical bids have been found suitable in accordance with the extant procedure, tender terms and conditions shall be opened.

2.0 **Tender Documents Availability & Cost:** Tender should be submitted online through www.eprocure.gov.in. Select eprocure and in the tenders by organization select National Institute for the Mentally Handicapped and download the tender. The tender will also be available at www.niepid.nic.in under E-Procure Tenders.

3.0 **Validity of Bids:** Tender/Bids must be valid for 120 days from the tender opening date.

4.0 **Tendered Quantity and Variation:** The required quantity of Equipment and Instruments is mentioned in the **Annexure-02** and may vary as per the requirement of the Centre.

5.0 **Delivery Period.** The successful tenderer must be able to supply and install the goods within 30 days from the date of issue of Supply Order. Delayed supply will attract the levy of penalty/liquidated damages.

6.0 **Penalty:** If the suppliers fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 0.5% per week of the total order value subject to the maximum of 10% of total order value will be deducted.

7.0 **Payment.** 'Advance Payment' is not allowed in any case. 100% payment will be released after completion of the supply, successful installation and commissioning of goods.

8.0. **Performance Security Deposit.** The successful tenderer shall deposit within 07 days of issue of supply order @5% of the total value of the supply order as Performance Security Deposit with the Centre in the form of Bank Guarantee with validity upto 01 month after warranty period in the format as mentioned at **Annexure-04**. The performance security deposit shall remain with the Centre till the completion of warranty period.

9.0 **Tender Opening:**

Bid	Date	Time	Place	Remarks
Technical bid	23.04.2018	1500 hrs.	NIEPID, Manovikas Nagar, Secunderabad-500 009	Bidders may also witness the opening
Financial bid	To be advised to the successful tenderers of Technical Bids			

Financial bids of only those tenderers whose technical bids will be found suitable in accordance with the extant procedure, tender terms and conditions shall be opened.

10.0 **Installation & Warranty Declaration:** Suppliers must give the comprehensive onsite warranty of at-least 01 year/as per the Original Equipment Manufacturer (OEM) warranty clause from the date of successful installation of goods against any manufacturing defects. In the installation report the model number of instrument and all spare parts/accessories numbers should be in the line of purchase order. It must be written in the warranty declaration that "everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification and shall be complete enough to carry out the experiments, as specified in the tender document. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges (shipping cost both ways)". **Installation must be done within stipulated time period from the date of delivery of the item/equipment as specified in the purchase order.**

11.0 **Settlement of Disputes.** In the event of any dispute or difference(s) between the Composite Regional Centre, Davangere and the vendor(s) arising out of non-supply of material or supplies not found according to the specifications or any other cause

whatsoever relating to the supply or purchase order before or after the supply has been executed, shall be referred to the Director, Composite Regional Centre, Davangere who may decide the matter himself or may appoint arbitrator(s) under the Arbitration and Conciliation Act, 1996. The decision of the arbitrator shall be final and binding on both the parties. All disputes shall be subject to Jurisdiction of courts at Davangere, Karnataka only.

12.0 **Return of EMD to unsuccessful tenderers.** The unsuccessful tenderers shall be returned of their EMD demand draft within 30 days from issue of Supply Order in favour of successful tenderer. However, the EMD of the successful tenderer shall be retained by the Centre till the Performance Security Deposit of the full amount is deposited by the supplier in the form of Bank Guarantee.

13.0 **Condition of goods.** The supplier must supply the goods in good condition without any defect whatsoever to the satisfaction of the Centre. Any deviation in the material and the specifications from the accepted terms is liable to be rejected and the suppliers need to supply all the goods in the specified form to the satisfaction / specifications specified in the Letter of Award and demonstrate at their own cost.

14.0 **Submission of tender bids by the tenderer.** The tenderers are to be submitted online only upto 1500 hrs. of 20/02/2018.

14.1 The bids sent through Post, Courier or Fax shall not be considered.

15.0 National Institute for the Empowerment of Persons with Intellectual Disabilities, Secunderabad reserves the rights to accept/reject any offer in full or in part without assigning any reason thereof or release the conditions of the tender at the discretion of competent authority.

Sd/-
Director

TECHNICAL BID PARTICULARS

1. Name of the Tenderer :
2. Full Address of the tenderer :
3. Contact details of tenderer :
(a) Telephone No.
(b) Mobile No.,
(c) Fax No.,
(d) E-mail id
4. Details of Earnest Money Deposit (Rs.18,000/-) :
(UTR No. to be mentioned)
5. Details of cost of tender document deposited (Rs.1000/-):
(UTR No. to be mentioned)
6. List of Documents enclosed:

Sl.No.	Name of the document	Information to be filled in this column		Whether photocopies of the documents enclosed (pl. tick)
1.	License/Registration (Number)			Yes / No
2.	Dealership/Distributorship Certificate (Number)			Yes / No
3.	Supply order completion certificate (Name of the organization, value, supply completion date)			Yes / No
4.	Income Tax Return (Annual Income during last 03 Financial Years)	2014-15	Rs.	Yes / No
		2015-16	Rs.	
		2016-17	Rs.	
5.	Audited Balance Sheet & Profit and Loss Account Annual turnover during last 03 Financial Years	2014-15	Rs.	Yes / No
		2015-16	Rs.	
		2016-17	Rs.	
6.	Bank Account (Bank Name, Branch & Account No.)			Yes / No
7.	PAN (Number)			Yes / No
8.	GSTIN (Number)			Yes / No
9.	TAN (Number)			Yes / No

7. Detailed specifications of the goods proposed to be supplied by the tenderer (The tenderer must submit the same in the enclosed format only (at Annexure-02)

8. Validity period of the Bid:

9. Additional information, if any proposed to be furnished by the tenderer.

Certificate: Certified that we accept all the terms and conditions of the tender documents.

Date :
Place :

Signature of Authorised person
Full name :
Designation:
Seal:

DETAILS OF TECHNICAL SPECIFICATIONS OF THE TENDERED ITEMS

Sl No	Name (Specifications stipulated by the Centre)	Unit	Qty	Specifications of the items to be supplied by the tenderer (whether same or higher than CRC, Davangerespecifications, if higher, details to be furnished)
1.	<p>Diagnostic Immittance Meter</p> <p>Special Tests:</p> <ul style="list-style-type: none"> • Three - component Tympanometry (Admittance, Susceptance and Conductance at 226Hz, 678 Hz and 1000 Hz) • Multiple Frequency Tympanometry (both sweep frequency & pressure method). • Acoustic Reflex Latency Test • Reflex Sensitization • Facility for altitude calibration. <p>Display:</p> <ul style="list-style-type: none"> ▪ Internal or External VGA Monitor ▪ Interface: RS232, parallel and keyboard output ▪ Printout: Internal or External Deskjet or Laser-jet Printer <p>Probe Tone:</p> <ul style="list-style-type: none"> • 226 Hz (85 dB SPL \pm 1.5 dB) • 678 Hz (85 dB SPL \pm 3.0 dB) • 1000 Hz (75 dB SPL \pm 3.0 dB) • Accuracy: \pm 1% • Harmonic Distortion: Less than 5% <p>Admittance measures</p> <ul style="list-style-type: none"> • Range: 226 Hz (-1.0 to +7.0) 678 Hz (-5.0 to +25) 1000 Hz (-5.0 to +30) • Sensitivity Scale: Auto Scales to Appropriate Range, Manual selection also possible in Reflex Modes only • Accuracy (226 Hz): Tymp Mode: \pm 5% of reading or \pm 0.1 ml, whichever is greater • Reflex Mode: \pm 5% of reading or \pm 0.2 ml, whichever is greater • Pressure Measurements (Load volume of 0.2 to 7.0 ml) • Range: Normal = +200 to -400 daPa, Wide = +400 to -600 daPa • Accuracy: \pm 10% of reading or \pm 10 daPa, whichever is greater • Sweep Rate: 12.5, 50.0 and 600/200 daPa/sec, 200 daPa/sec. 	No	1	

	<ul style="list-style-type: none"> • Sweep Accuracy: 10% of nominal rate. <p>Reflex Measurements</p> <ul style="list-style-type: none"> • Stimuli: 250, 500, 1k, 2k, 4kHz, BBN, LBN, HBN, • Click (100 microseconds pulse), External Input, Non-acoustic • Frequency Accuracy: $\pm 3\%$ • Harmonic Distortion (THD): Less than 5% (measured acoustically) • Noise Signals: (3 dB bandwidths) • Low Band: 125 -1,600 Hz, High Band: 1,600 -4,000 Hz, Broad Band: 125 -4,000 Hz • Intensity Range: 35 to 120 dB HL, Step Size: 5 dB, 1 dB and 2 dB • Calibration Accuracy: ± 3 dB • Step Accuracy: ± 0.5 dB • ON/OFF Ratio: 70 dB minimum <p>Accessories</p> <ul style="list-style-type: none"> • Probe assembly (with contralateral insert phone) • Eartips (standard, infants, children, adults) • Printer paper, rolls thermal, self-adhesive roll, Calibration test cavity • Cleaning kit, Probe mount kit (shoulder, clip, wrist band) • Quick User Guide • Instruction Manual • Service manual 			
2.	<p>Portable Screening Audiometer</p> <p>Frequency range: 125 – 8,000 Hz Frequency resolution: 1/3rd Octave Intensity Range: AC -10 to 100 dB HL. BC 10 to 75 dB HL</p> <p>Intensity Resolution: 5dB</p> <p>Stimulus Input: Tone, Warble tone $\pm 5\%$, 5Hz (true sine wave frequency modulation).</p> <p>Output: Left and Right</p> <p>Output Transducer: AC – TDH 39/50, BC – B 71, Insert phones 3A/5A Single Insert for masking (If Applicable). Talk over Microphone built-in</p> <p>Test facility:</p> <ul style="list-style-type: none"> - Pure tone Audiometry - Air conduction - Bone conduction - Auto Threshold (Hughson Westlake Method) <p>Other specifications:</p> <ul style="list-style-type: none"> - Operated through Battery and external Power supply - Full PC integration through USB <p>Accessories:</p> <ul style="list-style-type: none"> - TDH 39/50 	No	1	

	<ul style="list-style-type: none"> - B 71 - Insert Phone 3A/5A - Patient response Switch - Audiometer Module Interfacing Software and Hardware - Power supply and main cable - Connection cable - User manual - Service manual - Carry bag <p>Standards: EN 60645 -1 Type 4 / ANSI S3.6 Type 4 Speech: EN 60645-2/ ANSI S3.6 type (A or AE) UL and IEC 60601-1 Electrical Safety</p>			
3.	<p>Screener ABR and OAE</p> <ol style="list-style-type: none"> 1. External Power supply through wired charger: 220v, 50 Hz with inbuilt rechargeable battery & Charging unit. 2. Long battery life with minimum 1000 tests per charge 3. Handheld, Portable and light weighted preferably less than 200 g 4. Small, light weighted ear probe for testing with probe pouch 5. Display: LED display with only button/keypad operating system (No touchscreen facility) 6. Test Module: Screening TEOAE & DPOAE <ul style="list-style-type: none"> • Automated testing – Instant test start after probe fitment • Frequency range: DPOAE: 2 to 5 kHz: TEOAE: 1.5 to 4 kHz • Intensity range: DPOAE: 40 to 70 dB SPL: TEOAE: 83 dB SPL peak • equivalent (+/- 3 dB) • Low Microphone system emitting noise: -20 to -13 dB SPL 7. Customized screening protocol and referral criteria - Facility to edit the protocol used and the detailed view of the test results 8. Provision of Automatic pass/ refer indicators and graphical display of test results with each frequency SNR values 9. Testing time should not exceed 30 Sec 10. High noise immunity for operation in noisy environment (55 – 65 dB SPL) and facility to configure noise rejection level with no electrical interference 11. Facility to indicate poor probe fit, high noise level, ringing stimulus and low battery 12. Test Module: Screening ABR <ul style="list-style-type: none"> • Short Chirp stimulation via OAE at 55/s (approx.) • Screening Stimulus levels 30 to 45 dB nHL • Pre-test physiological and powerline noise analysis • Helpful on-screen guidance based on test conditions • Individual three electrode impedance analysis 	No	1	

	<ul style="list-style-type: none"> • Weighted averaging for noise management • Intelligent powerline interference rejection • Automated ABR identification using Fsp • ABR confirmation with configurable template correlation • ABR waveform and test history for audit trail <p>13. Integrated and PC Database:</p> <ul style="list-style-type: none"> • An Integral database to store demographic details and to view complete test details of the patient in the equipment. • Database software to link to PC for importing complete patient data • PC based Patient tracking/Management system database – from screening to follow up results (desirable) <p>14. Inbuilt memory and or through SD card (64 GB) to store a minimum of 250 patient details and test data</p> <p>15. PC interface through USB - micro and wireless (Only through WIFI direct)</p> <p>16. Automatic shut down if not in use.</p> <p>17. Additional 04 TEOAE/DPOAE probe cap for replacement</p> <p>18. Compatible equipment desk holder/charger</p> <p>19. Ear tip set for newborns and replacement probe tubes</p> <p>20. Ear tip removal tool, probe Cleaning kit, Calibration/test cavity and Probe mount kit(cable clip)</p> <p>21. Calibration: Probe calibration test function and its required accessories. Additional Hardware and Software specific to the instrument required for calibrating the stimulus.</p> <p>22. Facility to upgrade to higher version and to incorporate additional test if any for the same module - Desirable.</p> <p>23. User's manual& Service manual – Print & Electronic copy</p> <p>24. Carrying case: Backpack with multiple compartment (travel type) and infection control sleeve (Dust cover)</p>			
4.	<p>Voice and Speech Diagnosis Software System</p> <ol style="list-style-type: none"> 1) Advanced plus with the facility to record the client's voice sample for desired duration 2) Saving the entire voice sample or part of it 3) Registration of the client and associating the voice sample file to the client 4) Basic Acoustic Analysis of phonation (sustained vowel) and speech (vowel with F0 glide or an utterance) 5) The following calculations are made in Basic Acoustic Analysis: <ul style="list-style-type: none"> • F0 and Intensity Measurements: Mean, standard deviation, maximum, minimum, range, rate and 	No.	1	

	<p>range of fluctuations etc.</p> <ul style="list-style-type: none"> • Jitter and Shimmer Statistics, Histograms and Correlograms. Harmonic to Noise Ratio. SubHarmonic to Fundamental Amplitude Ratio. • Calculation of F0-contour, Intensity-contour, Phonetogram, Alfa, Beta and Gamma ratios. <p>6) 'On-Line' implies measuring while the subject is phonating/speaking. Appropriate graphic feedback is provided.</p> <p>7) Automatic detection of voicing or frication or voiced frication is made for S/Z Ratio measurement.</p> <p>8) The On-Line Measurements are:</p> <ul style="list-style-type: none"> • Maximum Phonation Duration • S/Z ratio • Nasalance and Tonar • Diadacho-kinetic rate (DDK) <p>9) Recording of speech with minimum of 16 kHz Frequency and intensity analysis Perturbation measurement</p>			
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FINANCIAL BID

Sl No	Name	Unit	Qty.	Total Unit Rate (TUR) inclusive of basic cost, freight, taxes, duties etc.	Total Amount (Quantity x TUR) (Rs.)
1.	<p>Diagnostic Immittance Meter</p> <p>Special Tests:</p> <ul style="list-style-type: none"> • Three - component Tympanometry (Admittance, Susceptance and Conductance at 226Hz, 678 Hz and 1000 Hz) • Multiple Frequency Tympanometry (both sweep frequency & pressure method). • Acoustic Reflex Latency Test • Reflex Sensitization • Facility for altitude calibration. <p>Display:</p> <ul style="list-style-type: none"> ▪ Internal or External VGA Monitor ▪ Interface: RS232, parallel and keyboard output ▪ Printout: Internal or External Deskjet or Laser-jet Printer <p>Probe Tone:</p> <ul style="list-style-type: none"> • 226 Hz (85 dB SPL \pm 1.5 dB) • 678 Hz (85 dB SPL \pm 3.0 dB) • 1000 Hz (75 dB SPL \pm 3.0 dB) • Accuracy: \pm 1% • Harmonic Distortion: Less than 5% <p>Admittance measures</p> <ul style="list-style-type: none"> • Range: 226 Hz (-1.0 to +7.0) 678 Hz (-5.0 to +25) 1000 Hz (-5.0 to +30) • Sensitivity Scale: Auto Scales to Appropriate Range, Manual selection also possible in Reflex Modes only • Accuracy (226 Hz): Tymp Mode: \pm 5% of reading or \pm 0.1 ml, whichever is greater • Reflex Mode: \pm 5% of reading or \pm 0.2 ml, whichever is greater • Pressure Measurements (Load volume of 0.2 to 7.0 ml) • Range: Normal = +200 to -400 daPa, Wide = +400 to -600 daPa • Accuracy: \pm 10% of reading or \pm 10 daPa, whichever is greater • Sweep Rate: 12.5, 50.0 and 600/200 daPa/sec, 200 daPa/sec. • Sweep Accuracy: 10% of nominal rate. 	No	1		

	<p>Reflex Measurements</p> <ul style="list-style-type: none"> • Stimuli: 250, 500, 1k, 2k, 4kHz, BBN, LBN, HBN, • Click (100 microseconds pulse), External Input, Non-acoustic • Frequency Accuracy: $\pm 3\%$ • Harmonic Distortion (THD): Less than 5% (measured acoustically) • Noise Signals: (3 dB bandwidths) • Low Band: 125 -1,600 Hz, High Band: 1,600 -4,000 Hz, Broad Band: 125 -4,000 Hz • Intensity Range: 35 to 120 dB HL, Step Size: 5 dB, 1 dB and 2 dB • Calibration Accuracy: ± 3 dB • Step Accuracy: ± 0.5 dB • ON/OFF Ratio: 70 dB minimum <p>Accessories</p> <ul style="list-style-type: none"> • Probe assembly (with contralateral insert phone) • Eartips (standard, infants, children, adults) • Printer paper, rolls thermal, self-adhesive roll, Calibration test cavity • Cleaning kit, Probe mount kit (shoulder, clip, wrist band) • Quick User Guide • Instruction Manual • Service manual 				
2.	<p>Portable Screening Audiometer</p> <p>Frequency range: 125 – 8,000 Hz Frequency resolution: 1/3rd Octave Intensity Range: AC -10 to 100 dB HL. BC 10 to 75 dB HL</p> <p>Intensity Resolution: 5dB</p> <p>Stimulus Input: Tone, Warble tone $\pm 5\%$, 5Hz (true sine wave frequency modulation).</p> <p>Output: Left and Right</p> <p>Output Transducer: AC – TDH 39/50, BC – B 71, Insert phones 3A/5A Single Insert for masking (If Applicable). Talk over Microphone built-in</p> <p>Test facility:</p> <ul style="list-style-type: none"> - Pure tone Audiometry - Air conduction - Bone conduction - Auto Threshold (Hughson Westlake Method) <p>Other specifications:</p> <ul style="list-style-type: none"> - Operated through Battery and external Power supply - Full PC integration through USB 	No	1		

	<p>Accessories:</p> <ul style="list-style-type: none"> - TDH 39/50 - B 71 - Insert Phone 3A/5A - Patient response Switch - Audiometer Module Interfacing Software and Hardware - Power supply and main cable - Connection cable - User manual - Service manual - Carry bag <p>Standards:</p> <p>EN 60645 -1 Type 4 / ANSI S3.6 Type 4 Speech: EN 60645-2/ ANSI S3.6 type (A or AE) UL and IEC 60601-1 Electrical Safety</p>				
3.	<p>Screener ABR and OAE</p> <ol style="list-style-type: none"> 1.External Power supply through wired charger: 220v, 50 Hz with inbuilt rechargeable battery & Charging unit. 2. Long battery life with minimum1000 tests per charge 3. Handheld, Portable and light weighted preferably less than 200 g 4. Small, light weighted ear probe for testing with probe pouch 5. Display: LED display with only button/keypad operating system (No touchscreen facility) 6. Test Module: Screening TEOAE & DPOAE <ul style="list-style-type: none"> • Automated testing – Instant test start after probe fitment • Frequency range: DPOAE: 2 to 5 kHz: TEOAE: 1.5 to 4 kHz • Intensity range: DPOAE: 40 to 70 dB SPL: TEOAE: 83 dB SPL peak • equivalent (+/- 3 dB) • Low Microphone system emitting noise: -20 to -13 dB SPL 7. Customized screening protocol and referral criteria - Facility to edit the protocol used and the detailed view of the test results 8. Provision of Automatic pass/ refer indicators and graphical display of test results with each frequency SNR values 9. Testing time should not exceed 30 Sec 10. High noise immunity for operation in noisy environment (55 – 65 dB SPL) andfacility to configure noise rejection level with no electrical interference 11. Facility to indicate poor probe fit, high noise level, ringing stimulus and low battery 12. Test Module: Screening ABR <ul style="list-style-type: none"> • Short Chirp stimulation via OAE at 55/s 	No	1		

	<p>(approx.)</p> <ul style="list-style-type: none"> • Screening Stimulus levels 30 to 45dBnHL • Pre-test physiological and powerline noise analysis • Helpful on-screen guidance based on test conditions • Individual three electrode impedance analysis • Weighted averaging for noise management • Intelligent powerline interference rejection • Automated ABR identification using Fsp • ABR confirmation with configurable template correlation • ABR waveform and test history for audit trail <p>13. Integrated and PC Database:</p> <ul style="list-style-type: none"> • An Integral database to store demographic details and to view complete test details of the patient in the equipment. • Database software to link to PC for importing complete patient data • PC based Patient tracking/Management system database – from screening to follow up results (desirable) <p>14. Inbuilt memory and or through SD card (64 GB) to store a minimum of 250 patient details and test data</p> <p>15. PC interface through USB - micro and wireless (Only through WIFI direct)</p> <p>16. Automatic shut down if not in use.</p> <p>17. Additional 04 TEOAE/DPOAE probe cap for replacement</p> <p>18. Compatible equipment desk holder/charger</p> <p>19. Ear tip set for newborns and replacement probe tubes</p> <p>20. Ear tip removal tool, probe Cleaning kit, Calibration/test cavity and Probe mount kit(cable clip)</p> <p>21. Calibration: Probe calibration test function and its required accessories. Additional Hardware and Software specific to the instrument required for calibrating the stimulus.</p> <p>22. Facility to upgrade to higher version and to incorporate additional test if any for the same module - Desirable.</p> <p>23. User's manual& Service manual – Print & Electronic copy</p> <p>24. Carrying case: Backpack with multiple compartment (travel type) and infection control sleeve (Dust cover)</p>				
4.	<p>Voice and Speech Diagnosis Software System</p> <p>10) Advanced plus with the facility to record the client's voice sample for desired duration</p>	No	1		

	<p>11) Saving the entire voice sample or part of it</p> <p>12) Registration of the client and associating the voice sample file to the client</p> <p>13) Basic Acoustic Analysis of phonation (sustained vowel) and speech (vowel with F0 glide or an utterance)</p> <p>14) The following calculations are made in Basic Acoustic Analysis:</p> <ul style="list-style-type: none"> • F0 and Intensity Measurements: Mean, standard deviation, maximum, minimum, range, rate and range of fluctuations etc. • Jitter and Shimmer Statistics, Histograms and Correlograms. Harmonic to Noise Ratio. SubHarmonic to Fundamental Amplitude Ratio. • Calculation of F0-contour, Intensity-contour, Phonetogram, Alfa, Beta and Gamma ratios. <p>15) 'On-Line' implies measuring while the subject is phonating/speaking. Appropriate graphic feedback is provided.</p> <p>16) Automatic detection of voicing or frication or voiced frication is made for S/Z Ratio measurement.</p> <p>17) The On-Line Measurements are:</p> <ul style="list-style-type: none"> • Maximum Phonation Duration • S/Z ratio • Nasalance and Tonar • Diadacho-kinetic rate (DDK) <p>18)Recording of speech with minimum of 16 kHz Frequencyand intensity analysis Perturbation measurement</p>						
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Validity period of the bid:.....

Delivery Period:

Warranty Period:

Installation Period:.....

N.B.: Offer with Special condition having additional financial implication for the CRC, Davangereshall not be entertained.

Certificate: Certified that we accept all the terms and conditions of the tender documents.

Date :
Place :

Signature of authorised person
Full name :
Designation:
Seal:

Form of Performance Guarantee / Bank Guarantee Bond

(to be submitted in the non-judicial stamp paper of Rs.100/- to be purchased in the name of the issuing bank)

In consideration of the Composite Regional Centre, Davangere (hereinafter called "CRC, Davangere") having offered to accept the terms and conditions of the proposed agreement between CRC, Davangere and having its registered office at (hereinafter called "the said Supplier") for the Supply of Nos. of Equipment and Instruments of Make (hereinafter called "the said agreement") vide CRC, Davangere Supply Order No. dated having agreed to production of an irrevocable Bank Guarantee for **Rs..... (Rupees only)** as a security/guarantee from the Supplier for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, _____ (hereinafter referred to as "the Bank") hereby undertake to pay to CRC, Davangere an amount not exceeding Rs..... (Rupees.....only) on demand by the CRC, Davangere.

2. We, _____ (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from CRC, Davangere stating that the amount claimed as required to meet the recoveries due or likely to be due from the said Supplier. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding **Rs...../- (Rupees only)**.

3. We, the said bank further undertake to pay CRC, Davangere any money so demanded notwithstanding any dispute or disputes raised by the supplier in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there-under and the Supplier shall have no claim against us for making such payment.

4. We, _____ (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of CRC, Davangere under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Director on behalf of the CRC, Davangere certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Supplier and accordingly discharges this guarantee.

5. We, _____ (indicate the name of the Bank) further agree with CRC, Davangere that CRC, Davangere shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by CRC, Davangere against the said Supplier and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Supplier or for any forbearance, act of omission on the part of CRC, Davangere or any indulgence by CRC, Davangere to the said Supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Supplier.

7. We, _____ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of CRC, Davangere in writing.

8. This guarantee shall be valid up to unless extended on demand by CRC, Davangere. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupeesonly) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

9. Dated the _____ day of _____ for _____ (indicate the name of the Bank).