



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

Department of Empowerment of Persons with Disabilities (Divyangjan)
(Ministry of Social Justice & Empowerment, Government of India)

Manovikas Nagar, Secunderabad-500 009
(An ISO 9001:2015 Institution)



NIEPID/Pur.10(399)/2025-26/

06.06.2024

Tender No.:12/2024

**SUB: Procurement of Brain Evoked Response Audiometry (BERA) for CRC Rajnandgaon -
Reg.**

TECHNICAL BID

You are requested to submit your offer as per our specification, terms and conditions online through e-Procurement under two bid system (technical and financial bid separately to be quoted as mentioned below:

| S.No | Technical Specification for BERA machine | Specification offered |
|------|---|-----------------------|
| 1. | <p><u>Evoked Potential & ASSR Channel:-</u></p> <ul style="list-style-type: none"> Number of channel should be 2. Input Voltage range should be 20μV to 50mV. Sampling rate should be 200Hz- 80000 Hz. A/D converter should be 16 bits. Input impedance should not be less than 90MΩ. Impedance measurement range should be 0-25 kΩ. Low Pass Filter range should be 10-10000Hz. High Pass Filter range should be 0.01-5000Hz. Notch filter 50 or 60Hz (switchable) should not be less than 40dB. Notch Filter type should be Adaptive and Recursive. Common mode rejection should not be less than 100dB. Should be able to perform single frequency (Phase coherence) and multi frequency ASSR (using F-Test Both). <p><u>Auditory Stimulator Specification:-</u></p> <ul style="list-style-type: none"> Auditory stimulator should have Click, Tone, Chirp, Frequency Specific Chirp, Meander and Trapezium with left, right and both sided stimulation. Range of stimulation level (for click) should be 0-138dB SPL for Headphone Range of stimulation level (for click) should be 0-140dB SPL for Insert Ear Phone. Range of stimulation level (for tone burst) should be 0-144dB SPL for Headphone. Range of stimulation level (for tone burst) should be 0-146dB SPL for Insert Ear Phone. Stimulus repetition rate should be 0.1-100 Hz with the admissible relative deviation of ± 0.1 %. Stimulus Duration of click stimulus should be 50-5000μs. Tone Burst stimulation tone range should be 20-10000Hz Stimulus Duration of tone burst stimulus should be 0.05-50ms. Modulation frequency should be 20-200Hz. | |

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| | <ul style="list-style-type: none"> Should have facility for continuous tone stimulation like frequency modulation (MM= Mixed Modulation), exponential Modulation, stimulus with three carrier frequency. Stimulus polarity should be Rarefaction, Condensation and Alternative. Frequency characteristics of masking noise should be white noise (0.02 - 10000Hz). Masking Type should be Stimulus Relative and Absolute Value. Masking Noise intensity should be 0 to 127 dB SPL (stimulus relative). <p><u>Software:-</u></p> <ul style="list-style-type: none"> Should be able to present the stimulus in units of dBSPL, dBnHL and dBHL. Should also be able to have stimulus envelope shapes/envelopes of rectangular, Blackmann, Hamming, Hann, Bartlett windows. Should be able to create customizable and user defined report templates. Should create reporting in Microsoft word & PDF. Should have the feature of Auto marking. Should create customizable protocols to perform diagnostic BERA automatically within different intensity levels in Left and Right both side. Should have feature for create customizable and user defined templates. Should have special zoom mode. Zoom any part of trace without changing the scale of all the traces. <p><u>Hardware:-</u></p> <ul style="list-style-type: none"> Should be portable and to be supplied with table mounting stand. Main unit should have separate connector for transducers. Unit should have touch proof connector for EP electrodes. Unit should have in built Amplifier. Unit should run from USB port of laptop/desktop, without separate connection to mains 220 V power supply to avoid supply voltage artifacts. It should take power through USB from Laptop or desktop. It should have facility to indicate impedance in hardware as well as software. <p><u>General Specification:-</u></p> <ul style="list-style-type: none"> Supply voltage of main device should be 5V DC. Main unit weight should not be more than 1 kg. Should be supplied with (Laptop or Desktop) PC with colour Laser Printer, and with all accessories for above tests. Should be US-FDA & CDSCO approved. | |
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Terms & Conditions

1. The price quoted should be inclusive of all taxes.
2. The bids should be submitted on or before **27.06.2024** by 1500 hrs through e-procurement and date of opening **27.06.2024** at 1530 hrs.
3. The tender is required to be submitted through e-procurement online under two bid system(Go to website www.eprocure.gov.in, click on tenders by organization and select National Institute for the Mentally Handicapped.
4. The tender is required to be submitted through e-procurement online under two bid system
5. The cost of the Earnest Money Deposit of **Rs.30000/-** (Rupees Thirty Thousand Only) the amount may be transferred through RTGS to "NIEPID Institution, A/c No. 3631010100000025, IFSC Code – PUNB0453800, Punjab National Bank, Manovikasnagar,

Secunderabad – 500 009 on or before opening of the tender. The details of UTR No. is required to be submitted online.

6. The Purchaser reserves the right to increase or decrease the quantity as per requirement.
7. Bidder's offer is liable to be rejected if they don't submit any of the certificates / documents sought in the tender document if any.
8. The successful bidder shall have to deposit a performance security deposit @ **3%** of the total value of the order in the form of Demand Draft/Bank Guarantee which should be valid for over and above two months of completion of work/supply or the warranty period.
9. The following documents will be checked for technical scrutiny :
 - a) Technical bid form duly filled as per the format in the tender document should be submitted along with tender document.
 - b) Shall submit three (03 nos.) work order of Rs. 1.5 lakhs each or two (02 nos) work order of Rs.2.0 lakhs each or One work order of Rs. 3.5 lakhs from different organizations executed in the last 03 years.
 - c) Shall have firm registration/Shop and Establishment Licenses certificate (Attach copies)
 - d) Annual financial statement of company for last 3 years authorized by CA.
 - e) Acceptance certificate of technical bid as per Annexure-1.
 - f) Acceptance certificate of financial bid as per Annexure-2.
 - g) GST/VAT/CST Certificate of the firm to be attached
 - h) PAN details to be attached
 - i) EMD details
 - j) All the pages should be serially numbered, signed and stamped. Indicate the total no. of pages submitted.
 - k) Compliance report of technical specification alongwith brand and catalogue if any.
7. All the above documents are required alongwith the technical bid.
8. The price quoted by the tenderer should be firm and inclusive octroi, freight, installation, training and forwarding charges, handling charges, loading insurance charges, any other tax/charges inclusive of VAT/GST. No tenderer shall be allowed to revise its original price.
9. The material should conform to the specification given.
10. Delivery should be made by you free of cartage at CRC Rajnandgoan, Thakurtola, Chattishgarh- 491 888 (contact person for any quarries Smt. Smita Mahobia, Director- 6263744637).
11. No advance payment will be made. However the payment will be made after 30 days on inspection of materials to our satisfaction.
12. The work should be completed within 30 days.
13. The decision of competent authority is final to accept or reject the Tender or relax the conditions of the tender.
14. IT/GST TDS will be deducted as per rules.
15. Demurrage charges will be made for delayed supply @0.5% per week.
16. MSME Registered firms are exempted from EMD.
17. Must be a Single Portable unit with possibility of all tests suitable for diagnostic and measurement of Dual channel BERA.
18. Device should be a diagnostic unit suitable for measurement of hearing loss in patients for auditory pathway impairment.
19. Should be possible to measure auditory evoked potential with Two Channel ABR/AEP system for short latency, middle latency and long latency for pathway impairments.
20. Device should be upgradable for cognitive EP (P300 & MMN), eABR, Pure Tone Audiometry, EcochG, OAE (DPOAE, TEOAE & SOAE).
21. Device should have EMG biofeedback and visual biofeedback for VEMP.
22. Device should be able to perform ASSR.

23. For any tender query, you may contact through email at niepid.purchase@gmail.com,
nimh.dda@gmail.com or through telephone at 040-27751741 Extn..258 during working hours

TECHNICAL BID FORM

| Sl No. | Description | Submitted Yes/No Indicate the Page No. Where the copy attached In the tender document |
|---------------|--|---|
| 1. | Name of the Firm: Head Office Address : Branches Tel. No. Fax No. e-mail web site, if any | |
| 2. | Kind of proprietorship: (i) If limited concern, name and address of Directors and Managing Directors (ii) If single owner, name and address of the proprietor and Manager. (iii) If partnership, name and addresses of partners | |
| 3. | Shall submit three (03 nos.) similar work orders of Rs. 1.5 lakhs each or two (02 nos) similar work orders of Rs.2.0 lakhs each or One similar work order of Rs. 3.5 lakh from different organizations executed in the last 03 years. | |
| 4. | Shall have firm registration/Shop and Establishment Licenses certificate (Attach copies) | |
| 5. | Annual financial statement for last 3 years authorized by CA. | |
| 6. | Acceptance certificate of technical bid as per Annexure-1. | |
| 7. | Acceptance certificate of financial bid as per Annexure-2. | |
| 9. | GST/VAT/CST Certificate of the firm to be attached | |
| 10. | PAN details to be attached | |
| 11 | EMD details | |
| 12 | All the pages should be serially numbered, signed and stamped. Indicate the total number of pages submitted. | |
| 13. | Compliance report of technical specification along with brand and catalogue if any | |

ACCEPTANCE CERTIFICATE

FOR TECHNICAL BID

I.....(designation).....,of (Name of the Company)..... hereby accept the above mentioned Terms & Conditions for **procurement of Brain Evoked Response Audiometry (BERA) for CRC Rajnandgaon**

Date:

Place:

Signature & Company Seal

ACCEPTANCE CERTIFICATE

FOR FINANCIAL BID

I.....(designation).....,of (Name of the Company)..... hereby accept the above mentioned Terms & Conditions for **procurement of Brain Evoked Response Audiometry (BERA) for CRC Rajnandgaon**

Date:

Place:

Signature & Company Seal

FINANCIAL BID

Financial Bid is required to be submitted in BOQ format only as per e-procure.

| S.No | Technical Specification for BERA machine | Specification offered | Rate |
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| 1. | <p><u>Evoked Potential & ASSR Channel:-</u></p> <ul style="list-style-type: none"> Number of channel should be 2. Input Voltage range should be 20μV to 50mV. Sampling rate should be 200Hz- 80000 Hz. A/D converter should be 16 bits. Input impedance should not be less than 90MΩ. Impedance measurement range should be 0-25 kΩ. Low Pass Filter range should be 10-10000Hz. High Pass Filter range should be 0.01-5000Hz. Notch filter 50 or 60Hz (switchable) should not be less than 40dB. Notch Filter type should be Adaptive and Recursive. Common mode rejection should not be less than 100dB. Should be able to perform single frequency (Phase coherence) and multi frequency ASSR (using F-Test Both). <p><u>Auditory Stimulator Specification:-</u></p> <ul style="list-style-type: none"> Auditory stimulator should have Click, Tone, Chirp, Frequency Specific Chirp, Meander and Trapezium with left, right and both sided stimulation. Range of stimulation level (for click) should be 0-138dB SPL for Headphone Range of stimulation level (for click) should be 0-140dB SPL for Insert Ear Phone. Range of stimulation level (for tone burst) should be 0-144dB SPL for Headphone. Range of stimulation level (for tone burst) should be 0-146dB SPL for Insert Ear Phone. Stimulus repetition rate should be 0.1-100 Hz with the admissible relative deviation of ± 0.1 %. Stimulus Duration of click stimulus should be 50-5000μs. Tone Burst stimulation tone range should be 20-10000Hz • Stimulus Duration of tone burst stimulus should be 0.05-50ms. Modulation frequency should be 20-200Hz. Should have facility for continuous tone stimulation like frequency modulation (MM= Mixed Modulation), exponential Modulation, stimulus with three carrier frequency. Stimulus polarity should be Rarefaction, Condensation and Alternative. Frequency characteristics of masking noise should be white noise (0.02 -10000Hz). Masking Type should be Stimulus Relative and Absolute Val | | |

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| Sl.No. | Name of the material and specifications | Qty | Technically Complied Yes/No |
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| 1. | <p><u>Evoked Potential & ASSR Channel:-</u></p> <ul style="list-style-type: none"> • Number of channel should be 2. • Input Voltage range should be 20μV to 50mV. • Sampling rate should be 200Hz- 80000 Hz. • A/D converter should be 16 bits. • Input impedance should not be less than 90MΩ. • Impedance measurement range should be 0-25 kΩ. • Low Pass Filter range should be 10-10000Hz. • High Pass Filter range should be 0.01-5000Hz. • Notch filter 50 or 60Hz (switchable) should not be less than 40dB. • Notch Filter type should be Adaptive and Recursive. • Common mode rejection should not be less than 100dB. • Should be able to perform single frequency (Phase coherence) and multi frequency ASSR (using F-Test Both). <p><u>Auditory Stimulator Specification:-</u></p> <ul style="list-style-type: none"> • Auditory stimulator should have Click, Tone, Chirp, Frequency Specific Chirp, Meander and Trapezium with left, right and both sided stimulation. • Range of stimulation level (for click) should be 0-138dB SPL for Headphone • Range of stimulation level (for click) should be 0-140dB SPL for Insert Ear Phone. • Range of stimulation level (for tone burst) should be 0-144 dB SPL for Headphone. • Range of stimulation level (for tone burst) should be 0-146 dB SPL for Insert Ear Phone. • Stimulus repetition rate should be 0.1-100 Hz with the admissible relative deviation of ± 0.1 %. • Stimulus Duration of click stimulus should be 50-5000μs. • Tone Burst stimulation tone range should be 20-10000Hz • Stimulus Duration of tone burst stimulus should be 0.05-50ms. • Modulation frequency should be 20-200Hz. • Should have facility for continuous tone stimulation like frequency modulation (MM= Mixed Modulation), exponential Modulation, stimulus with three carrier frequency. • Stimulus polarity should be Rarefaction, Condensation and Alternative. • Frequency characteristics of masking noise should be white noise (0.02 -10000Hz). • Masking Type should be Stimulus Relative and Absolute Value. • Masking Noise intensity should be 0 to 127 dB SPL (stimulus relative). <p><u>Software:-</u></p> <ul style="list-style-type: none"> • Should be able to present the stimulus in units of dB SPL, dBnHL and dBHL. | 1 nos | |
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