**KERALA MEDICAL SERVICES CORPORATION LTD**
(A Government of Kerala Undertaking)
Thycaud P.O, Thiruvananthapuram - 14, Kerala.
Tel: 0471 - 2945600, 2337353, Fax: 0471 - 2945647
Email :ep.kmscl@kerala.gov.in
CIN: U24233KL200TSGC021616, PAN : AADCK4029M, GSTIN : 32AADCK4029M1ZK

| Running Contract Details | |
|---|---|
| Equipment Name | Puretone Audiometer Model B |
| Running Contract Valid Till | 20-09-2025 |
| Tender Ref No | KMSCL/EP/T496(R)/198B/2023 |
| Tendered Quantity | 10 |
| Supplier Name | M/s Alliance Biomedica Pvt. Ltd |
| GST No | 33AACCA4937D1Z3 |
| Installation & Delivery Period | 8 Week(s) |
| Up-time / PM vist | 95% & 4 Visits per year |
| Warranty period | 3 Years |

| Supplier`s Details | | |
|---|---|---|
| **Address** | **Contact Details** | |
| Flat No. 15<br>AshirwadÃƒÂ¢ New No. 30 (Old No. 12)<br>Puliyur First Lane<br>Trustpuram.<br>TamilNadu Chennai 600024 | Contact Person | J. KUMAR |
| | Phone | 044 24803704 / 23725299 |
| | Mobile No | 09840215864 |
| | Email | jkumar@alliancebiomedica.com,info@alliancebiomedica.com,sreejith.vk@alliancebiomedica.com |

**Item-wise Price Details**

| # | Item Details | Unit Rate (Incl.all taxes & charges) | Service Charges (Through KMSCL) | Grand Total |
|---|---|---|---|---|
| 1 | **Puretone Audiometer Model B**<br>*Model & Make : GSI Audiostar Pro/ Grason Stadier (GS), U.S.A* | 694999.99<br>Incl.GST :5% | 54673.33 | 749673.32 |
| | | **694999.99** | **54673.33** | **749673.32** |

**Annual / Comprehensive Maintenance Charges (Exl.Tax)**

| Rate | 4th Year | 5th Year | 6th Year | 7th Year | 8th Year | 9th Year | 10th Year |
|---|---|---|---|---|---|---|---|
| **Puretone Audiometer Model B** | | | | | | | |
| **Labour** | 13,238.00 | 13,900.00 | 14,595.00 | 15,325.00 | 16,090.00 | 16,895.00 | 17,740.00 |
| **Comprehensive** | 33,095.00 | 34,750.00 | 36,487.00 | 38,311.00 | 40,227.00 | 42,239.00 | 44,350.00 |

## Other terms & conditions

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender document).

2. The supplier shall submit performance security amounting to 5.00% of the value of the supply order.

3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.

4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).

5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

## Technical Specification

**Equipment :Puretone Audiometer Model B**

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1. Input: Pure Tone, Speech, CD/external Tape
2. Output : Left, Right, Bone, L+R, Sound Field
3. Pure Tone: Steady, Pulsed FM,FM(Warble), Paediatric Noise & Paediatric Noise Pulsed signal format is must .
4. Two Channels: Independent signal generation for each channel.
5. Frequency range :-

a. Normal Air Conduction range should be 125 Hz to 8,000 Hz with noise free changeover between frequencies.
b. Bone conduction : 250 Hz to 8,000 Hz.
c. Intensity Range :

I. Air Conduction :-10 dB HL to 120 dB HL

II. Bone Conduction :-10 dB HL to 90 dB HL(Mastoid)

III. -10dB HL to 80 dB HL (Forehead)

d. Accuracy: $\leq$ 2% for Earphone and $\leq$ 5% for Bone vibrator.

e. Paired inserts.with Freq range 125 Hz to 8khZ,& intensity range -10 dB HL to 120 d

6. High Frequency Audiometry:

a. It should have the facility to upgrade *High Frequency*: Testing i.e

b. 8,000Hz to 20,000Hz, *Intensity Range :* -20 dB HL to 100 dB HL.

7. Masking Noise: Wide band, Narrow Band,

8. System Should have user defined Templates and also should have an option to create templates as per User requirement for the choice of Audiogram look.

a. Pure Tone Audiometry (PTA) Averaging
b. Behavioral Observation Audiometry./ (BOA, VRA & TROCA)
c. Inbuilt facility to control Visual Reinforcement Audiometry(VRA) device
d. Performance Intensity Phonetically Balance (PIPB) Test.
e. Single & multi-syllabic speech normative curve.
f. Automated Speech Intelligibility Index (SII) Determination
g. Tone Decay Test (TDT).
h. Monaural Loudness Balance(MLB) Test.

i. Alternate Binaural Loudness Balance (ABLB) or Fowler Test (ALT).
j. Short-Increment Sensitivity Index (SISI) & Modifications to SISI.
k. Present small increments of intensity change at low sensation levels.
l. Stenger Test

I.Pure tone

II.Speech

a. Difference Limen Intensity (DLI).
b. Difference Limen for Frequency (DLF).
c. Masking Level Difference (MLD).
d. Sensorineural Acuity Level (SAL) Test.
e. Doerfler-Stewart Test & Modified Doerfler-Stewart Test
f. Lombard or Voice Reflex Test.
g. Threshold Equalizing Noise (TEN) Test
h. Langenbeck (Tone in Noise) Test
i. BKB - SIN (Bamford-Kowal-Bench - Speech - in - Noise) Test
j. Quick SIN
k. Delayed Auditory Feedback (DAF).
l. Bekesy Test
m. Hearing Aid Evaluation

9. Additional necessary requirements

a. Mixing/Routing of signals to either or both ears must be possible

b. Facility for Talk forward, Talk Back, Monitor and Auxilary Intercom.

c. inbuilt/integrated on board VRA controls located directly on the control panel for immediate & direct activation of VRA

d. Built-in Scorer / Timer

e. Audiometer must be able to perform recorded tests

I. Use an external stereo tape or CD player

II. . Perform (C)APD tests.

III. Perform Speech in Noise tests

IV. Additional Smart technologies.LCD display of test frequencies and intensity of test along with graphical display of Audiogram.

V. light pipes/indicators surrounding each parameter selection on the control panel recording parameters should be light up and stay lit until changes are made in the test protocol

f. Must have built-in display

g. A large LCD display easy to read colour monitor must be integrated into the control panel with flexible adjustments for individual’s viewing preferences

h. Data back-up (event of power failure, the audiometric data collected will be recovered and displayed when system is restart/ reboot)

i. The audiometer must interface with 7 electronic record solutions and each must be capable of providing digital audiogram

j. Must be able to output PDF Test Report

k. It should be provided with Software for Audiologic Data Management and should have facility of User defined Templates for

the Printing of Audiograms

l. Must have facility to connect printer directly with instrument

m. should be provide with Wireless Keyboard & mouse

n. But the Audiometer must be able to operate as a standalone audiometer without a PC connection but able to communicate with computer

o. sound field speaker output range options to include 90 dB HL

p. Must hold calibration for TDH, Inserts and Bone.

q. A rigid Equipment which Should be sturdy in the working enviornment, preferably more than 6 kgs .

r. Dimensions and Weight : W x D x H: 20.1 inches x 14.6 inches x 13.2 inches (LCD raised) 51.0 cm x 37.0 cm x 33.5 cm

s. Height with LCD lowered: – 5.5 inches (14.0 cm)

t. Weight : Not more than 8kg

10. Transducers:

a. A pair of headphones(DD 45), Bone Vibrator ( B-81),Paired Insert earphones is must . standard speakers 90 dB PAIR

11. Must be NOAH Compatible.

12. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

13. List of Standard Accessories for Dual channel High frequency Diagnostic Audiometer

a. Air Conduction Headphones DD45
b. Bone Conduction Vibrator B81
c. Insert Earphones
d. Free field Speakers pair
e. Examiner Headset with boommic
f. Talk back Microphone
g. Directional Gooseneck Microphone for live voice testing
h. Key board & Mouse