अखिल भारतीयआयुर्विज्ञान संस्थान,गोरखपुर
All India Institute of Medical Sciences, Gorakhpur
(स्वास्थ्य एवं परिवार कल्याण मंत्रालय भारत सरकार द्वारा स्थापित एक स्वायत्त निकाय)
(An autonomous organization under the Ministry of Health & Family Welfare, Govt. of India)

No.: AIIMS/GKP/Admn/1987/2025-26 **Date:** 04.10.2025

Comp: 4750

Subject: Proposal for the Procurement of InBody 970s Body Composition Analyzer with Fingerprint Reader.

The AIIMS Gorakhpur is going to procure **Procurement of InBody 970s Body Composition Analyzer with Fingerprint Reader** from InBody India Private Limited.

2. The above-mentioned document is being uploaded for open information to submit their objections comments, if any firm any manufacturer regarding proprietary nature of the equipment/ accessories/ item within 14 days from the date of issue/ uploading of the notification.

3. The comment should be address to office of Administrative Officer, at AIIMS, Gorakhpur on or before 19th Oct. 2025 up to 17:00 Hrs.Email:procurementcell@aiimsgorakhpur.edu.in/aoofficeaiimsgkp@gmail.com failing which it will be presumed that there no comments to offer and case will be decided on merits.

SD
Administrative officer
AIIIMS Gorakhpur

Technical Specifications: InBody 970S

Key Specifications

Bioelectrical Impedance Analysis (BIA)	Bioelectrical Impedance 30 Impedance Measurements by Using 8 Different Frequencies (5kHz, 50kHz, 250kHz, 500kHz, 1MHz, 3MHz) at Each of 5 Segments (Right Arm, Left Arm, Trunk, Right Leg and Left Leg)
Phase Angle	15 phase Angle Measurements by Using 3 Different Frequencies (5kHz, 50kHz, 250kHz, 500kHz, 1MHz, 3MHz) at Each of 5 Segments (Right Arm, Left Arm, Trunk, Right Leg and Left Leg)
Z0, Z∞	At zero frequency, current does not pass through the cell membrane, so the impedance at zero frequency can be considered to reflect extracellular water, and at infinite frequency, the current can be seen to reflect both intracellular and extracellular water.
Electrode Method	
Measurement	Tetrapolar 8-Point Tactile Electrodes
Method	Direct Segmental Multi-Frequency Biolectrical Impedance Analysis (DSM-BIA) Simultaneous Multi-Frequency Bioelectrical Impedance Analysis (SMF-BIA)
Body Composition Calculation Method	No Empirical Estimation
Compatible Device Optional	BSM Series (BSM170B, BSM370, BSM270B), BPBIO Series (BPBIO320, BPBIO750), Yscope, and InBodyBAND Series
Logo	Name, Address and Content Information can be
Display	shown on the Results Sheet LCD Screen,
Digital	Web, LookinBody120
Results Types of Result sheets	Body Composition Result Sheet, Body Water Result Sheet, Evaluation Result Sheet, Research Result Sheet, Comparison Result Sheet, Result Sheet for Children, Visceral Fat Result Shee
Voice	Audible guidance for test in progress and test complete
Guidance	Saves up to 100,000 measurements (When ID is entered) Setup: Configure settings and manage data Troubleshooting: Additional information to help use the InBody970
Data Storage	Copy, backup, or restore the LookinBody test data (data can be viewed on Excel or LookinBody120)
Administrator Menu	Member ID will be automatically inputted when the Barcode is scanned
InBody USB Barcode Reader	Recognizes the InBodyBAND series of the subject and automatically inputs personal information to the InBody970
InBodyBAND Series Recognition Function Fingerprint Recognition Function	Recognizes the InBodyBAND series of the subject and automatically inputs personal information to the InBody970
Backup data	See your result on InBody mobile App
QR Code	Bridge power (BPM040S12F07)
Applied Rating Current	Power Input AC 100-240V, 50-60Hz, 1.2A (1.2A-0.6A
Adapter	Power Output DC 12V, 3.4A Mean Well (GSM40A12-P1IR) Power Input AC 100-240V, 50-60Hz, 1.0-0.5A

डॉ0 चारुशिला रुकडीकर / Dr. Charushila Rukadikar
सहायक प्राध्यापक / Assistant Professor
शरीरविज्ञान / Physiology
All India Institute of Medical Sciences, Gorakhpur (U.P.) 273008
5/9/2025

Display Type	1280 x 800 10.1inch Color TFT LCD
Internal Interface	Touchscreen, Keypad
External Interface	RS-232C 4EA, USB Host 2EA, USB Slave 1EA, LAN(10/100T) 1EA, Bluetooth 1EA, Wi-Fi 1EA
Compatible Printer	InBody970 compatible printers available at www.inbodyservice.com
Dimensions	614.1(W) x 963.8(L) x 1239.3(H): mm
Equipment Weight	46kg (101.4lb)
Test Duration	About 90 seconds
Operation Environment	10~40°C (50~104'F), 30~75% RH, 70~106kPa
Storage Environment	-10~70°C (14~158'F) ,10~80% RH, 50~106kPa (No Condensation)
Weight Range	5~300kg (11~660.1lb)
Age Range	3~99 years
Height Range	95~220cm (3ft 1.40in ~ 7ft 2.61in)
Body Composition Result Sheet	Result parameters and Result interpretation • Body Composition Analysis (Total Body Water, Protein, Mineral, Body Fat Mass, Weight) • Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) • Obesity Analysis (Body Mass Index, Percent Body Fat) • Segmental Lean Analysis • Segmental Fat Analysis • Segmental ICW Analysis • Segmental ECW Analysis • ECW Ratio Analysis (ECW Ratio) • Segmental ECW Ratio • Body Composition History (Weight, Skeletal Muscle Mass, Percent Body Fat, ECW Ratio) • InBody Score • Visceral Fat Area (Graph) • Weight Control (Target Weight, Weight Control, Fat Control, Muscle Control) • Body Type (Graph) • Nutrition Evaluation (Protein, Minerals, Fat Mass) • Obesity Evaluation (BMI, Percent Body Fat) • Body Balance Evaluation (Upper, Lower, Upper-Lower) • Waist-Hip Ratio (Graph) • Visceral Fat Level (Graph) • Research Parameters (Extracellular Water, Intracellular Water, • Skeletal Muscle Mass, Fat Free Mass, Basal Metabolic Rate, Waist-Hip Ratio, Visceral fat level, Visceral fat. Obesity Degree, Bone Mineral Content, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, FMI, FFMI, SMI, Recommended Calorie Intake, Calorie Expenditure of Exercise, InBody Score) • Blood Pressure (Max/Min/Pulse Rate, Avg/Pulse pressure/R.P.P) • Result Interpretation QR Code • QR Code • Segmental Body Phase Angle (5kHz, 50kHz, 250kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Whole Body Phase Angle (50kHz) • Impedance Graph (Each segment and each frequency)
Body Composition Result Sheet for Children	Result parameters and Result interpretation • Body Composition Analysis (Total Body Water, Protein, Mineral, Body Fat Mass, Fat Free Mass, Soft Lean Mass, Weight) • Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Body Fat Mass) • Obesity Analysis (Body Mass Index, Percent Body Fat) • Growth Graph (Height, Weight, BMI) • Growth Score • Body Composition History (Height, Weight, Skeletal Muscle Mass, Percent Body Fat) • Nutrition Evaluation (Protein, Minerals, Fat Mass) • Obesity Evaluation (BMI, Percent Body Fat) • Body Balance (Upper, Lower, Upper-Lower) • Segmental Lean Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Segmental Body Water Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Research Parameters (Intracellular Water, Extracellular Water, Basal Metabolic Rate, Child Obesity Degree, Bone Mineral Content, Body Cell Mass, FFMI, BMI)

	• Blood Pressure (Max/Min/Pulse Rate, Avg/Pulse pressure/R.P.P) • Result Interpretation QR Code • QR Code • Segmental Body Phase Angle (5kHz, 50kHz, 250kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Whole Body Phase Angle (50kHz) • Impedance Graph (Each segment and each frequency)
Body Water Result Sheet	Result parameters and Result interpretation • Body Water Composition (Total Body Water, Intracellular Water, Extracellular Water) • ECW Ratio Analysis (ECW Ratio) • Segmental Body Water Analysis (Right Arm, LeftArm, Trunk, Right Leg, Left Leg) • Body Composition Analysis (Protein, Minerals, Body Fat Mass, Fat Free Mass, Bone Mineral Content) • Segmental ECW Analysis (Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Body Water Composition History (Weight, Total Body, Intracellular Water, Extracellular Water, Extracellular Water Ratio) • Muscle-Fat Analysis (Weight, Skeletal Muscle Mass, Soft Lean Mass, Body Fat Mass) • Obesity Evaluation (BMI, Percent Body Fat) • Research Parameters (Fat Free Mass, Basal Metabolic Rate, Waist-Hip Ratio, Visceral Fat Area, Obesity Degree, Body Cell Mass, Arm Circumference, Arm Muscle Circumference, TBW/FFM, FMI, FFMI, SMI) • Blood Pressure (Max/Min/Pulse Rate, Avg/Pulse pressure/R.P.P) • Result Interpretation QR Code • QR Code • Segmental Body Phase Angle (5kHz, 50kHz, 250kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Whole Body Phase Angle (50kHz) • Impedance Graph (Each segment and each frequency)
Evaluation Result Sheet	• Whole Body ECW Ratio (ECW/TBW): (T-Score, Z-score) • Visceral Fat Area (VFA,cm²): (T-Score, Z-score) • Body Mass Index (BMI,kg/m²): (T-Score, Z-score) • Bioeletrical Impedance Vector Analysis (BIVA) • Whole Body Phase Angle 50kHz (PhA,°): (T-Score, Z-score) • ECW Ratio (ECW/TBW) Balance (Right Arm, Left Arm, truck, right leg, left leg: Evaluation • Percent Body Fat (PBF,%): (T-Score, Z-score) • Skeletal Muscle mass Index (SMI,m²): (T-Score, Z-score) • Fat Mass Index (FMI,kg/m²): (T-Score, Z-score) • Fat Free Mass Index (FFMI,kg/m²): (T-Score, Z-score) • Lean Mass (LM) Balance(Right Arm, Left Arm, Trunk, Right Leg, Left Leg): Amount, Evaluation • Skeletal Muscle Mass and ECW Ratio (SMM,% & ECW/TBW) • Skeletal Muscle mass Index and ECW Ratio (SMI,kg/m² & ECW/TBW) • Waist Hip Ratio (WHR): (T-Score, Z-score) • Body Cell Mass (BCM,kg): (T-Score, Z-score) • Outer Circumference(cm) • Weight (kg): (T-Score, Z-score) • Skeletal Muscle Mass/WT, • Extracellular Mass/Body Cell Mass (ECM/BCM): (T-Score, Z-Score) • Total Body Water/Weight (%): (T-Score, Z-Score)
Comparison Result Sheet	• Weight, Skeletal Muscle Mass, Body Fat Mass, ECW Ratio, Phase Angle: Whole Body (Current Result, Previous Result, Current-Previous Result difference) • Lean Mass, ECW Ratio, Phase Angle: Right Arm, Left Arm, Trunk, Right Leg, Left Leg (Current Result, Previous Result, Current-Previous Result difference) • Cole-Cole Plot (Today, Recent, Standard Median Curve)
Research Result Sheet	• Body Composition Summary (Fat Free Mass, Body Fat Mass, Intracellular Water, Extracellular Water, Body Water,

डॉ0 चारुशीला रुकडीकर / Dr Charushila Rukadikar
सहायक प्राध्यापक

	ECW Ratio, Weight) • Body Composition Analysis (Lean Mass, ICW, ECW, Fat Mass, ECW/TBW): Whole Body, Right Arm, Left Arm, Trunk, Right Leg, Left Leg • Research Parameters (BMI, Percent Body Fat, Percent Abdominal Fat, Visceral Fat Area, Obesity Degree, Waist Circumference, FMI, Skeletal Muscle Mass, FFMI, SMI, Protein, Body Cell Mass, Mineral, Bone Mineral Content, Basal Metabolic Rate, Arm Circumference, Arm Muscle Circumference, TBW/FFM) • Segmental Body Phase Angle (5kHz, 50kHz, 250kHz: Right Arm, Left Arm, Trunk, Right Leg, Left Leg) • Whole Body Phase Angle (50kHz) Impedance Graph (Each segment and each frequency

डॉ0 चारुशीला रुकडीकर / Dr. Charushila Rukadikar
सहायक प्राध्यापक / Assistant Professor
शरीरक्रिया विज्ञान / Physiology
आल इंडिया इन्स्टिट्यूट ऑफ मेडिकल साइंसेज, गोरखपुर (उ0प्र0) 273008
All India Institute of Medical Sciences, Gorakhpur (U.P.) 273008

InBody See what you're made of

To whomsoever it may concern

Greetings from InBody!

We would like to take this opportunity to clarify the points raised in your recent communication regarding the PAC (Proprietary Article Certificate) status of the InBody970s Body Composition Analyzer.

The InBody970s is a flagship model developed and manufactured exclusively by InBody Co., Ltd., and it incorporates proprietary technologies. Specifically, it utilizes Segmental Multi-Frequency Bioelectrical Impedance Analysis **(SMF-BIA) and operates at 3 MHz** frequency — a method covered under our U.S. Patent No.US8271079B2. This patented technology ensures superior accuracy, repeatability, and clinical reliability in body composition analysis.

For your reference and further clarification, please find attached the following documents:

- FDA Certificate for InBody970
- InBody970s Product Catalogue

Due to these proprietary elements and the patented technology involved, the InBody970s has been recognized and certified as a PAC item in various previous procurements. This is often based on the requirement for standardization and consistent clinical outcomes by end-user institutions.

These are the proofs stating InBody 970s is a proprietary product.

For InBody India Private Limited,

Sign and Stamp.

InBody India Private Limited Unit No. SF-B-03, 2nd Floor, B Wing, Art Guild House, LBS Marg, Next to Phoenix Market City, Kurla (W), Mumbai, Maharashtra - 400070, India
TEL: +91 22 62231911 Email: india@inbody.com website: www.inbody.in