

SECTION VII.

**TECHNICAL
SPECIFICATIONS**

Technical Specifications for Fitness Testing & Monitoring Equipment

Bidders must indicate whether the goods and equipment offered are "Compliant" or "Non-Compliant" to the corresponding specifications prescribed by BCDA using this form.

PROCUREMENT FOR THE SUPPLY, DELIVERY, AND INSTALLATION OF FITNESS TESTING & MONITORING EQUIPMENT FOR THE NATIONAL ACADEMY OF SPORTS (NAS) – PHASE 1 AT NEW CLARK CITY					
TECHNICAL SPECIFICATIONS COMPLIANCE FORM					
NO.	QTY.	UNIT	SPECIFICATIONS	COMPLIANCE	
				Compliant	Non-compliant
<i>FITNESS TESTING & MONITORING EQUIPMENT</i>					
G.1	1	set	<p>BIOELECTRICAL IMPEDANCE ANALYZER FOR BODY COMPOSITION</p> <p>A. Bioelectrical Impedance Analysis Measurements - Bioelectrical Impedance(Z) : 10 Impedance measurements are taken by using two (2) different frequencies (20kHz, 100kHz) in each of the 5 body segments (right arm, left arm, trunk, right leg, left leg)</p> <p>B. Electrode Method - 8-Point Tactile Electrode Method</p> <p>C. Technology - Direct Segmental Multi-frequency Bioelectrical Impedance Analysis Method, DSM-BIA Type</p> <p>D. Body Composition Calculation</p> <p>E. Outputs (LCD Screen) - Weight, Body Fat (Percent Body Fat), Muscle (Skeletal Muscle Mass), BMI</p> <p>F. Applied Rating Current - 100 uA</p> <p>G. Power Consumption - DC 6V (1.5V AA Battery 4 each)</p> <p>H. Display Type - Customized LCD</p> <p>I. Storage Environment – -4 ~ 158°F, 10 ~ 95% RH, 50 ~ 106 kPa (no condensation)</p> <p>J. Dimensions - 12.2 (W) x 14 (L) x 2.3 (H): inch</p> <p>K. Equipment Weight - 30.9 lbs (14 kg)</p> <p>L. Total Test Time - 15 seconds</p> <p>M. Operational Environment - 50 ~ 104°F, 30 ~ 75% RH, 70 ~ 106 kPa</p> <p>N. User Weight Range - 22 ~ 550 lbs (10 ~ 250 kg)</p> <p>O. Height Range - 3 ft. 1.4 in. ~ 7 ft. 2.61 in. (95-220 cm)</p> <p>P. Includes stadiometer and printer</p>		

PROCUREMENT FOR THE SUPPLY, DELIVERY, AND INSTALLATION OF FITNESS TESTING & MONITORING EQUIPMENT FOR THE NATIONAL ACADEMY OF SPORTS (NAS) – PHASE 1 AT NEW CLARK CITY

TECHNICAL SPECIFICATIONS COMPLIANCE FORM

NO.	QTY.	UNIT	SPECIFICATIONS	COMPLIANCE	
				Compliant	Non-compliant
<i>FITNESS TESTING & MONITORING EQUIPMENT</i>					
G.2	30	sets	HEART RATE MONITORS (SENSOR)		
			<p><u>Compatibility</u> iOS mobile devices with iOS 13 or later; Android mobile devices with Bluetooth 4.0 capability and Android 7 or later; mobile devices with AppGallery and Mobile Services installed.</p> <p><u>Updates</u> Compatibility of use with a smartphone.</p> <p><u>Memory</u> One training session</p> <p><u>Battery life</u> 400 hours with Bluetooth Low Energy and 5 kHz transmission active</p> <p><u>Battery type</u> CR 2025</p> <p><u>Connector size</u> 34x65x10 mm</p> <p><u>Weight</u> Connector 21 g (0.74 oz), strap 39 g (1.38 oz)</p> <p><u>Materials</u> Connector: ABS, ABS + GF, PC, Stainless steel. Strap: 38% Polyamide, 29% Polyurethane, 20% Elastane, 13% Polyester, Silicone prints.</p> <p><u>Water resistance</u> 30 m (Suitable for swimming)</p> <p><u>Operating temperature</u> -10 °C to +50 °C / 14 °F to 122 °F</p> <p><u>Connectivity</u> ANT+, Bluetooth Low Energy, 5 kHz</p> <p><u>Available in sizes</u> XS-S: 51-66 cm M-XXL: 65-93 cm</p>		

PROCUREMENT FOR THE SUPPLY, DELIVERY, AND INSTALLATION OF FITNESS TESTING & MONITORING EQUIPMENT FOR THE NATIONAL ACADEMY OF SPORTS (NAS) – PHASE 1 AT NEW CLARK CITY

TECHNICAL SPECIFICATIONS COMPLIANCE FORM

NO.	QTY.	UNIT	SPECIFICATIONS	COMPLIANCE	
				Compliant	Non-compliant
<i>FITNESS TESTING & MONITORING EQUIPMENT</i>					
G.3	10	units	HIGH RESOLUTION CAMERA		
			A. Photo : 23MP B. 5.3K: 60fps C. 4K: 120fps D. Video stabilization: Hyper Smooth 4.0 E. LCD: Front and Rear (Touch screen) F. Battery: Removable 1720mAh Lithium-Ion G. Slow-mo: 8X H. Waterproof: 33ft (10m) I. Processor: GP2 J. Cloud compatibility: Auto upload to Cloud capability. K. Voice control: Yes L. Livestreaming: 1080p		
G.4	2	units	REFRACTOMETER FOR URINE SPECIFIC GRAVITY		
			Scale - Urine S.G., serum protein, refractive index Measurement Range - Urine S.G. scale: 1 to 1.06, Serum protein scale: 0 to 12g/100mL, Refractive index scale (nD): 1.333 to 1.366 (Automatic Temperature Compensation) Minimum Scale - Urine S.G. scale: 0.001, Serum protein scale: 0.2g/100mL, Refractive index scale (nD): 0.0005 Measurement Accuracy - Urine S.G. scale: ±0.001, Serum protein scale: ±0.2g/100mL, Refractive index scale (nD): ±0.0005 (10 to 30°C) International Protection Class - IP65 (except eye piece) dust-tight and protected against water jets Dimensions & Weight - 1.26 x 1.34 x 8.15in (3.2 x 3.4 x 20.7cm), 3.88oz (110g)		

PROCUREMENT FOR THE SUPPLY, DELIVERY, AND INSTALLATION OF FITNESS TESTING & MONITORING EQUIPMENT FOR THE NATIONAL ACADEMY OF SPORTS (NAS) – PHASE 1 AT NEW CLARK CITY

TECHNICAL SPECIFICATIONS COMPLIANCE FORM

NO.	QTY.	UNIT	SPECIFICATIONS	COMPLIANCE	
				Compliant	Non-compliant
<i>FITNESS TESTING & MONITORING EQUIPMENT</i>					
G.5	2	units	HANDGRIP DYNAMOMETER		
			<p>A. Dual-Scale Readout - Our Dynamometer displays grip force in pounds (200lbs max) and kilograms (90kg max).</p> <p>B. Peak-Hold Needle - For convenience and easy recording, the Lafayette Hand Dynamometer automatically retains the highest reading on a special peak-hold needle. This reading remains on the gauge until the examiner resets it.</p> <p>C. Accurate and Reproducible - For convenience and easy recording, the Lafayette Hand Dynamometer automatically retains the highest reading on a special peak-hold needle. This reading remains on the gauge until the examiner resets it.</p> <p>D. Adjustable Handle - To accommodate various size hands, the Lafayette Hand Dynamometer handle adjusts to five grip positions: from 1 3/8 to 3 3/8 inches, in half-inch increments</p>		

Bidder's Authorized Representative

Signature over Printed Name

Principal Bidder / Supplier