SAJ <u>SPORTS AUTHORITY OF INDIA</u> National Center for Sports Science and Research, IGSC, New Delhi – 110002

Corrigendum 0323.08.2023

Subject- Amendment to RFP for procuring 16 EMG Channel in NCSSR, SAI.

Tender Id - 71-01001/2/2023-NCSSR Division

1. The specification for the procurement stands modified as per the following details.

Technical Specifications as per Tender Document	Specifications after amendments
 Technical Specifications as per Tender Document The system should be supplied with minimum 16 high speed Wireless EMG Channel with built in IMU sensor. Should Have Analog + Digital base station Should have analog output option to facilitate integration with third party hardware and. software Sensor should have fixed inter sensor delay of 0.5 milliseconds or less Sensor should have fixed spacing between electrodes preferably less than 15 mm to avoid motion artifacts and cross-talk Sensor contacts should be made up of a metal for better contact and better-quality signal Should be supplied with a charging/transmitting station that communicates with sensors to get information on their charging, recording and signal strength Sensors facilitate EMG and IMU measurements EMG data analysis Software for standalone usage with live recording of atleast 32 channels and analysis for both online and offline modes Trigger module package Analog adapter with cable for dynamometer integration Should have option for real time data streaming to computational softwares such as MATLAB Mobile EMG suite for outdoor applications Technical support for the lifetime (at least for a period of 05 years, if not lifetime) 	 Specifications after amendments The system should be supplied with minimum 16 high speed Wireless EMG Channel with built in IMU sensor. Should Have Analog or Digital base station Should have analog output option to facilitate integration with third party hardware and software Sensor should have fixed inter sensor delay of 0.5 milliseconds or less Sensors should have fixed spacing between electrodes preferably less than 15 mm to avoid motion artifacts and cross-talk Sensor contacts should be made up of a metal for better contact and better-quality signal Should be supplied with a charging/transmitting station that communicates with sensors to get information on their charging, recording and signal strength Sensors facilitate EMG and IMU measurements EMG data analysis Software for standalone usage with live recording of at least 16 channels and analysis for both online and offline modes. Trigger module package Analog adapter with cable for Isokinetic dynamometer integration Should have option for real time data streaming to computational softwares such as MATLAB Mobile EMG suite/device for outdoor applications Technical support for the lifetime (at least for a period of 05 years, if not lifetime)
 Analog adapter with cable for dynamometer integration Should have option for real time data streaming to computational softwares such as MATLAB Mobile EMG suite for outdoor applications 	 Analog adapter with cable for Isokinetic dynamometer integration Should have option for real time data streaming to computational softwares such as MATLAB Mobile EMG suite/device for outdoor applications Technical support for the lifetime (at least for a
 Technical support for the lifetime (at least for a period of 05 years, if not lifetime) The system should be supplied with sensor docking unit and charging system 	 The system should be supplied with sensors docking unit or charging unit. System should

- The system should be supplied with double sided adhesive stickers (atleast 5000) and double-sided adhesive tape rolls (atleast 20).
- The system should be supplied with atleast 2000 Hz of sampling rate or more per sensor.
- The system should have a baseline noise <1µV or better.
- The EMG System should have + 20,000 μV EMG input range or better
- The system should have Software controlled digital filtering
- The system should have Shielded cables for minimal artifact
- The software should allow video recording during EMG data recording
- Should have at least 8 hours of battery backup
- Should have wireless working range of at least 40m or more to capture data during various sport specific movements
- The EMG system should be integrated with 3D motion analysis, Force plate, Isokinetic dynamometer, Instrumented treadmill, IMU, eye tracking, video analysis etc
- The necessary third-party hardware / software should be supplied by the seller for integration of EMG with other systems
- Laptop i7 (latest generation) with 16 GB ram, 2 TB SSD, at least 15.6-inch screen and Laser Printer with copy/scan/print to generate and view report and additionally a 32 inch Monitor for dual display
- US FDA, ISO & EU IEC certificates or equivalent
 Installation at the Institute and training to the users by experts

- allow charging of all 16 sensors at one time. The system should be supplied with double sided adhesive stickers (atleast 5000) and double-sided adhesive tape rolls (atleast 20). The system should be supplied with atleast
- The system should be supplied for more per sensor.
 2000 Hz of sampling rate or more per sensor.
 The system should have a baseline noise <1μV
- or better. • The EMG System should have + 20,000 μV EMG
- input range or better The system should have Software controlled
- The system should have software controlled digital filtering
- The System should be suitable for movement studies with minimal artifact
- The software should allow video recording during EMG data recording
- · Should have at least 8 hours of battery backup
- Should have wireless working range of 30m or more to capture data during various sport specific movements
- The EMG system should be integrated with 3D motion analysis, Force plate, Isokinetic dynamometer, Instrumented treadmill, IMU, eve tracking, video analysis etc
- The necessary third-party hardware / software should be supplied by the seller for integration of EMG with other systems
- Laptop i7 (latest generation) with 16 GB ram, 2 TB SSD, at least 15.6-inch screen and Laser Printer with copy/scan/print to generate and view report and additionally a 32 inch Monitor for dual display
- US FDA, ISO & EU IEC certificates or equivalent
- Installation at the Institute and training to the users by experts
- 2. Other Terms and Conditions remained unchanged.

Aakash Pundir Asstt. Director (NCSSR)

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1. All Concerned.

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