



SPORTS AUTHORITY OF INDIA
National Center for Sports Science and Research,
IGSC, New Delhi – 110002

FILE NO : 71-01001(03)/16/2023-NCSSR Division

07.02.2024

Subject: Procurement of Isokinetic System, NCSSR from Computer Sports Medicine Inc. for SAI NCOE Indira Gandhi Stadium Complex New Delhi on Proprietary Basis – Inviting Comments thereon.

Sports Authority of India, New Delhi had initiated single tender enquiry to purchase the following item under the subject head above for Isokinetic System for Biomechanics Department on Proprietary Basis. The details of single tender issued to the OEM(s) and prices quoted are detailed as below: -

S.No	Description	Details
1.	IFB Details	71-01001(03)/16/2023-NCSSR Division
2.	Item Name & Quantity	Isokinetic System -01 Unit
3.	Mode of Purchase	PAC
4.	Original Equipment Manufacturer	Computer Sports Medicine Inc.
5.	Authorized Agent	Volant Technologies, Delhi
6.	Specifications	<ul style="list-style-type: none">• Should be able to access/test various joints in isolation• Should be able to test in different resistance modes such as isokinetic (concentric-concentric concentric-eccentric, eccentric-concentric and eccentric-eccentric), isotonic, isometric and passive• Protocols should include options for angles, hold times, rest period, repetitions and sets• The system should be able to test all the major body segments and joints such as shoulder, forearm, elbow, wrist, hip, knee and ankle• Should have adjustable range of motion stops in full 360 degrees.• Should have 360-degree rotation for the force arm (connecting

		<p>dynamometer to the pedal) to have wide range of motion</p> <ul style="list-style-type: none"> • Should be able to accommodate different athletes with varying height and weight with provision for four-point seatbelt harness for better stability • The dynamometer or chair should be movable to accommodate different athletes for quick set-up and better usability with locking clamps for securing the system in place for testing. • Should be able to do gravity correction when limbs are positioned with the lever arm on the dynamometer. • The software should be provided to analyse the raw data and export the raw and processed data in different file formats such as excel, text, etc. • The software should provide detailed report for various testing protocols such as individual test for joints, data/graph overlay for comparing pre and post testing, repeatability, progress, multi session. • Should be provided with latest workstation/laptop of reputed brand like HP, Dell (with i7 (latest generation) processor, minimum 16GB RAM, Windows OS 11 and colour printer. <ul style="list-style-type: none"> – Concentric speed: 500 deg/sec or more – Eccentric speed: 500 deg/sec or more – Concentric torque: 500 ft-lb (678 Nm) or more – Eccentric torque: 500 ft-lb (678 Nm) or more • – Isometric torque: 500 ft-lb (678 Nm) or more • – Isotonic torque: 500 ft-lb (678 Nm) or more <ul style="list-style-type: none"> – Isotonic torque as low as .5 ft-lb
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7.	Unit Price inclusive of GST & 02 Year warranty as per bid received.	Rs. 90,63,308/- (Ninety Lakh Sixty Three Thousand Three Hundred Eight Only/-)
8.	Total per unit CAMC charges for 03 years incl. of GST post completing of Warranty period	Rs. 24,64,088/- (Twenty Four Lakh Sixty Four Thousand Eighty Eight only/-)
9.	Total financial implication inclusive of taxes	Rs. 1,15,27,396/- (One Crore Fifteen Lakh Twenty Seven Thousand Three Hundred Ninety Six Only/-)

The above details are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment / item within 15 days of issue of this notice with above reference at nccsr.sai@gov.in failing which it would be presumed that no vendor(s) is having any comment(s) to offer and the case will be decided on merits.