



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

FILE NO : 71-01001(03)/33/2023- NCSSR Division

11.07.2024

**Subject: Procurement of Telemetry Biofeedback and Triple Physiological Sensor, NCSSR from Pukhya Pvt. Ltd. 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 Telemetry Biofeedback and Triple Physiological Sensor for Psychology 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)/33/2023- NCSSR Division
2.	Item Name & Quantity	Telemetry Biofeedback – 05 and Triple Physiological Sensor-04
3.	Mode of Purchase	PAC
4.	Original Equipment Manufacturer	Thought Technology Ltd, Canada
5.	Authorized Agent	Pukhya Pvt. Ltd, New Delhi
6.	Specifications	<p>1. Telemetry Biofeedback</p> <ul style="list-style-type: none"><li>• Capable of data acquisition for EMG, EEG, Heart Rate, Heart rate Variability, ECG, Abdomen and thorax Respiration, and Galvanic Skin Resistance. force , Goniometer, and Trosiometer data and Blood pressure monitoring reaction time.</li><li>• System sensors have facility for self impedance checkup and facility for automatic artifact rejection feature.</li><li>• System be battery operated, and light weight to carry on the field.</li><li>• System sampling rate for the first two channels is more than 2000 sample/sec. for recording various parameters. Facilities available for multi-channel acquisition for same parameter.</li><li>• High grade connectors with low noise and active shielding for fewer artifacts.</li><li>• System has facility for on line recording, telemetry data recording and on</li></ul>

flash memory. Rechargeable Batteries, Battery life of at least, - 30Hrs logging, charging smart with no chances of overcharging.

- System gives noise free recording under difficult conditions.
- Strong and rugged sensor for use in various conditions. Sensors are reusable.
- Analysis and operating software has various screens as per user requirements.
- Operating system- windows 10 or windows 11 with a compatible laptop for each system
- Telemetric Transmission minimum 100 meter not less than that.
- Data Acquisition system with the programs preloaded will be supplied with the system
- There are preloaded programs like stress tests, respiration training, EDA relaxation training,
- confrontation training, Temperature training, Threshold value training
- Multiple feedback options like lines, pictures, and videos, audio are present for the patient. System complies with ISO, CE, and FDA with all International electrical safety standards.

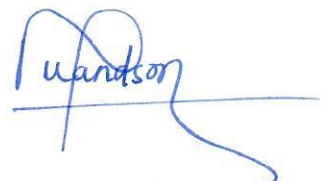
## 2. Triple Physiological sensor:

- System is portable, battery operated and BT enabled to do relaxation training.
- The system is designed to be used for Breathing, for de-stressing, calming the body, focusing the mind,relaxing and recovering through the specialized software or App.
- The system includes and guide the user with a breathing pacer, and it also record the body's response to the breathing exercise based on the biometric data transmitted from the device sensor.
- The system has modifiable breath pacer, appropriate to the needs of any user whether they are novices to paced breathing or experts practicing at their resonant frequencies.





		<ul style="list-style-type: none"> <li>• The system includes Heart rate variability, skin conductance and temperature metrics Expressed as easy-to understand values.</li> <li>• The system has three tiers of feedback, including music, graphics and reward points.</li> <li>• The system has session durations which can last between 5 minutes to 60 minutes.</li> <li>• All training data is saved automatically in the Android Device which will supplied with the system (Storage Space At least 64 GB), which enables user and clinician to review for effectiveness and compliance.</li> <li>• System's artifact detection should ensure user is informed when movement artifact is present in real time.</li> <li>• System App offers a complete toolkit of sessions for assessing and reporting stress, self-regulation (biofeedback) training screens and relaxation therapy exercises, based on themodalities on-hand.</li> <li>• System is CE &amp; ISO compliance</li> <li>• System has facilities as well as enable feature to send reporting to doctors from remote</li> </ul>
7.	Unit Price inclusive of GST & 02 Year warranty as per bid received.	<p><b>Telemetry Biofeedback</b> Rs. 17,92,000/- (Seventeen Lakh Ninety-Two Thousand Only/-)</p> <p><b>Triple Physiological sensor</b> Rs. 1,45,600/- (One Lakh Forty Five Thousand Six Hundred Only/-)</p>
8.	Total per unit CAMC charges for 03 years incl. of GST	<p><b>Telemetry Biofeedback</b> Rs. 1,69,920/- (One Lakh Sixty Nine Thousand Nine Hundred Twenty Only/-)</p> <p><b>Triple Physiological sensor</b> Rs. 13,806/- (Thirteen Thousand Eight Hundred Six Only/-)</p>



9.	Total financial implication inclusive of taxes per unit with 2 years Warranty and 3 years CAMC	<b>Telemetry Biofeedback</b> Rs. 19,61,920/- (Nineteen Lakh Sixty One Thousand Nine Hundred Twenty Only/-)  <b>Triple Physiological sensor</b> Rs. 1,59,406/- (One Lakh Fifty Nine Thousand Four Hundred 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](mailto: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.

  
Director  
NCSSR