

Subject: Reply of CUH on the quarries raised by the bidders during the Pre-bid Meeting held on 25/11/2025.

Name of Equipment: Metabolic Analyzer/Cardio Pulmonary Exercise Test System

Sr. No	Name of firm	CUH Specification as per NIT	Bidder's queries	Reply of CUH
A.	Global Medical Devices Pvt. Ltd.	1. Technical Specifications of the equipment: Point no.6- System should have capacity for 18-hour record of a test in natural conditions.	Clause may remain; however, note that under maximal effort, a subject performs approx. 40 breaths/min , and COSMED K5 acquires over 65,000 breaths continuously . Remarks / Justification: - The clause should clarify that practical operation needs.	No Change
		Point no. 8- Flow rate: dead space <40 ml, flow range ± 18 L/s, O ₂ t90 < 100 ms, CO ₂ t90 < 90 ms.	Modify to: Dead space <60 ml, flow range ± 16 L/s, O₂ t90 < 130 ms, CO₂ t90 < 110ms. Remarks / Justification:- To align with the ATS ERS Guidelines for Metabolic analyzer	No Change
		Point no. 14.The system must include at least 10 global positioning sensors.	Delete clause. Remarks / Justification:- Current text misinterprets GPS functionality; multiple sensors are neither required nor available in portable CPET systems.	No Change
		Point no. 15- GPS sampling frequency 18 Hz.	Modify to 10 Hz. Remarks / Justification:- 10 Hz GPS is the international standard for portable telemetry metabolic systems, ensuring accuracy and reliability.	No Change
		Point no. 16-A minimum of 10 vests with carry case having 10 sensor slots (or) one adjustable size-fits-all vest	Modify to one adjustable size-fits-all vest and delete "10 slots for sensors." Remarks / Justification:- O ₂ sensors are galvanic and replaced annually; multiple slots not practical. Adjustable vest accommodates all users.	Point no. 16-A to be read as minimum of 10 vests with carry case having 10 sensor slots (or) one adjustable size-fits-all vest.
		Point no. 19- Drying desiccant tube replacement interval: 12 months or 50 tests or after water ingress.	Modify to 6 months or 100 tests ; delete "after water ingress." Remarks / Justification:- To align with the ATS ERS Guidelines for Metabolic analyzer	No Change