

INDIAN INSTITUTE OF TECHNOLOGY GOA
Goa College of Engineering Campus, Farmagudi, Ponda -403401, Goa

Enquiry No. IITGOA/2024-25/004

Date: 19/08/2024

Corrigendum - I

For the tender of Class 10,000 (ISO 7) Clean Room Fabrication in RHS3, the following clauses / paragraphs have been modified /added:

Sr. No.	Page No./ Total pages	Section Heading	Tender Description	Corrigendum/ Clarification
1	02/ 35	Terms & Conditions	<p>15. Payment terms: 100% within 30 days after the delivery and successful installation of items against submission of performance security.</p> <p>Note: All payments due under the contract shall be paid after deduction of statutory levies at source (Like ESIC, IT(TDS), GST etc.), wherever applicable.</p>	<p><i>Corrigendum:</i></p> <p>15. Payment terms: 70% against successful delivery, 25% against after successful installation and, 5% against submission of Performance Bank Guarantee.</p> <p>Note: All payments due under the contract shall be paid after deduction of statutory levies at source (Like ESIC, IT(TDS), GST etc.), wherever applicable.</p>
2	02/ 35	Terms & Conditions	<p>16. Delivery should be made within 60 days from the date of issue of Purchase Order.</p>	<p><i>Corrigendum:</i></p> <p>16. Delivery should be made within 90 days from the date of issue of Purchase Order.</p>
3	02/ 35	Terms & Conditions	<p>20. Liquidated Damages: If the items are not delivered and installed within 120 days from the date of</p>	<p><i>Corrigendum:</i></p>

			issue of Purchase Order, 0.5% as pre-estimated damages per week of the total amount subject to maximum of 10%.	20. Liquidated Damages: If the items are not delivered and installed within 150 days from the date of issue of Purchase Order, 0.5% as pre-estimated damages per week of the total amount subject to maximum of 10%.
4	04/ 35	Terms & Conditions	37. Online bids should be submitted through www.eprocure.gov.in latest by 17:00 Hrs. on or before 19th August, 2024.	<i>Corrigendum:</i> 37. Online bids should be submitted through www.eprocure.gov.in latest by 17:00 Hrs. on or before 09 th September, 2024.
5	06/ 35	A. Cleanroom specifications: Sr. No. 3 D. Summary of the Work: Sr. No. 3	Safety System 1. Fire detection 2. OMS (Oxygen Monitoring System) 3. Door interlock and access	<i>Clarification on point 1 &2:</i> A display-cum-voice alarm system: <ul style="list-style-type: none"> • is required for continuously monitoring the smoke and oxygen contents in all FOUR partitions (3 partitions of the cleanroom and the service area), and • for giving a voice alarm once smoke is detected, and • for giving a voice alarm when a lower oxygen-level is detected. • Manual actuation of an alarm through manual call points placed in all partitions <i>Clarification on Point 3:</i> <ul style="list-style-type: none"> • Card swipe entry through door D1 • Interlocking of door D3 with both doors D1 and D2 (D3 shall opens only when both D1 and D2 are closed. D1 or D2 open only when D3 is closed). • Interlocking of D4 with D3 only.

6	06/ 35	A. Cleanroom specifications: Sr. No. 5	<p>Approx. Area, Sq.m (see drawing 1)</p> <p>Partition 1: 15</p> <p>Partition 2: 50</p> <p>Partition 3: 5</p>	<p><i>Clarification:</i></p> <p>Approx. Area, Sq.m (see drawing 1)</p> <p>Partition 1: 15 Sq.m (2 m x 7.5 m)</p> <p>Partition 2: 34 Sq.m (4.5 m x 7.5 m)</p> <p>Partition 3: 4.2 sqm (1.4 m x 3 m)</p>
7	06/ 35	A. Cleanroom specifications: Sr. No. 16	16. Room Occupancy: 7	<p><i>Clarification:</i></p> <p>Partition 1: Occupancy 3; Partition 2: Occupancy 4</p>
8	07/ 35	A. Cleanroom specifications: Sr. No. 21.1	<p>21. Utilities Required</p> <p>1. 5N (99.999%) Purity Modular Nitrogen Generator (using existing Screw Compressor)</p>	<p><i>Corrigendum:</i></p> <p>1a. 5N (99.999%) Purity Modular Nitrogen Generator (using existing Screw Compressor)</p> <p>1b. Nitrogen Generator, must be compatible with the existing air-compressor.</p> <p>1c. delivery/working pressure >6 bar.</p> <p>1d. shall have a storage tank with capacity > 20 litre.</p> <p><i>Clarification:</i></p> <p>Existing screw compressor details: It is a 5.5 kW motor, with 9.5 bar working pressure, and 300 Litre air tank.</p> <p>Make: Elgi,</p>

				Model: E05en- 9.5
9	11/ 35	D. Summary of the Work: Sr. No. 1.4	4. Aluminium honeycomb insulation panel with Aluminium skin sheet of minimum 0.8 mm thickness on both sides with powder coating and epoxy finish; Minimum thickness: 50 mm. Filling material: Mineral wool, minimum density: 80 Kg/m3	<i>Corrigendum and clarification:</i> 4a. Wall Panel type and MOC: <ul style="list-style-type: none"> Aluminium (Al.) skin sheets on both sides, minimum thickness 0.8 mm, thickness of the panel >50 mm with epoxy powder coating Filling material: Mineral wool (density >80 Kg/m3) 4b. If Return air-risers are integrated into the wall panel then they shall be made of a non-magnetic material.
10	11/ 35	D. Summary of the Work: Sr. No. 1.5	5. Al. honeycomb Wall Panel	<i>Corrigendum:</i> 5. Al./Mineral wool/Al wall panel
11	11/35	D. Summary of the Work: Sr. No. 1.6	6. (Dark-grey inside-walls in partition 2: optics lab)	<i>Clarification:</i> 6. Slate grey (RAL 7015) inside-walls in partition 2: optics lab.
12	11/35	D. Summary of the Work: Sr. No. 1.7	7. Al. honeycomb Ceiling Panel at a height of 2.5 m	<i>Corrigendum:</i> 7. Walkable Al./Mineral wool/Al. ceiling at a height of 2.5 m
13	11/35	D. Summary of the Work: Sr. No. 1.11	11. ESD-safe epoxy flooring and PVC welded joints	<i>Corrigendum:</i> 11. ESD-safe epoxy flooring
14	11/ 35	D. Summary of the Work: Sr. No. 1.16	16. Cleanroom compatible ESD safe: Working Desks: working surface height: 1 m, with built-in one-layer drawers underneath but not a the seating locations, depth: 690 mm, total length: 8.9 m: see drawing,	<i>Addendum:</i> ESD safe Working Desks: <ul style="list-style-type: none"> MOCs: Cleanroom-grade conductive-HPL worktop and heavy-duty Aluminium frame ESD safe Ergonomic Chairs: <ul style="list-style-type: none"> MOCs: PU and Aluminium

			Chairs: 07 No. with foot ring, without wheels, 200 mm stroke seat height 500 - 700 mm adjustment	
15	12/ 35	D. Summary of the Work: Sr. No. 4.16	4. Laser Safety Curtain System:	<i>Clarification:</i> <ul style="list-style-type: none"> • Curtain length: 2.5 m, from ceiling to the floor • Complete blocking of light from one section to other section
16	18/ 35	E. Detailed specifications of the cleanroom: Sr. No. 8	<p>Gas/compressed air piping/tubing:</p> <ol style="list-style-type: none"> 1. SS 316 EP Tubing (Compatible to withstand ≥ 10 bar pressure) with all specials e.g. elbow/bend/Tee/Reducer etc., mounting & suspension system complete. 2. Aluminium tubing for compressed air 3. Creation of user's points with line-pressure regulator and valves. 	<i>Clarification:</i> <p>Gas bank and SS modular gas-control-panels for all gases are available. Outlet: 6 mm OD double ferrules</p> <p>User points (See drawing 2):</p> <p>RTA: (all THREE points) SS ¼ inch double ferrules</p> <p>RIE system: (all THREE points) SS 10 mm OD double ferrules</p> <p>GB4 and GB2: 1 each, 6 mm OD Teflon/PU push-fit</p>

All other terms will remain same.

**Sd/-
Registrar**