REQUEST FOR EXPRESSION OF INTEREST (EoI)
Supply, Installation, Testing, and Commissioning (SITC) of OEM-Supplied Mortuary Cabinets Constructed with SS 304 Grade Materials at IMSF, IISc Campus, Bengaluru

EoI DOCUMENT

NO: IMSF/ /EOI/26-27/06 | Date: 04/06/2026

EXPRESSION OF INTEREST (EoI) FOR THE DESIGN, SUPPLY, INSTALLATION, TESTING, AND COMMISSIONING (DSITC) OF 10-BODY MORTUARY CABINETS (1 NO. SIX-BODY MORTUARY CABINET AND 1 NO. FOUR-BODY MORTUARY CABINET) FOR IMSF AT IISc CAMPUS, BANGALORE

Director,

IISc Medical School Foundation, Bangalore – 560012.

PROJECT BRIEF

The proposed IMSF project is being constructed at the Indian Institute of Science campus, Bengaluru – 560012. The project comprises a composite RCC and structural steel building with a configuration of Lower ground + Upper Ground + Ground + 9 Floors + Helipad. The lower ground level consists of an RCC concrete structure, while the columns and roof framing are designed in structural steel.

The scope includes the Design, Supply, Installation, Testing, and Commissioning of Mortuary Cabinets comprising 1 No. 6-Body Mortuary Cabinet and 1 No. 4-Body Mortuary Cabinet for the IISc Medical School Foundation, Bengaluru.

- Total number of Beds: 832 Nos.
- Type of Structure: RCC + Structural Steel.
- Total site area: 14.35 Acres.
- Total built up area: 14,67,478.62 Square feet.
- Building overall length (outer to outer): Length 239.58mtrs x Breadth 90.41 Mtrs.
- Total height of the building: 49.85 Mtrs. (Including Helipad)
- Total number of Block: 05 along with Core and Atrium areas etc., (A, B, C, D and E)
- Block A and Core areas (B +LG+ GF + 03 upper floors + terrace) Height of 17.55 Mtrs
- Block B and Core areas (B +LG+GF + 09 upper floors + terrace) @ Height of 41.85 Mtrs
- Block C and Core areas (B +LG+GF + 09 upper floors + terrace) @ Height of 41.85 Mtrs.
- Block D (B+LG+GF + 07 upper floors + terrace) @ Height of 33.75 Mtrs
- Block E (GF + 05 upper floors + terrace) @ Height of 25.65 Mtrs.
- Atrium and Core areas.
- Lower ground and Parking Area.

At IISc, the planned infrastructure is designed to support a wide range of advanced clinical capabilities essential for patient care, teaching, and research. This comprehensive setup will facilitate the integration of cutting-edge technologies and services across various clinical

SCOPE OF WORK

Project Scope

The scope of work includes the Design, Build, Supply, Installation, Testing, Commissioning, and Training (DBSITCT) of Mortuary Cabinets for the IISc Medical School Foundation, Bangalore.
The complete system shall be designed, supplied, and commissioned in accordance with applicable NABH, JCI, and relevant Indian healthcare facility guidelines and standards.

Project Intent and Functional Overview

The IISc Medical School Foundation is envisioned as a state-of-the-art healthcare, teaching, and research facility, integrating advanced clinical infrastructure with academic, simulation, and translational research environments.
The project is intended to establish a fully coordinated, compliant, and efficient mortuary infrastructure supporting the following objectives:

- Provision of safe, reliable, and efficient mortuary and body preservation facilities
- Integration of modern technology and operational efficiency within the healthcare infrastructure
- Compliance with applicable national and international healthcare planning, safety, and quality standards
- Support for medical education, training, and research activities
- Adoption of sustainable, energy-efficient, and maintainable infrastructure systems

2. Design & Engineering.

Key Design, Engineering, and Technical Requirements

1. The shop drawings shall be prepared based on the actual site conditions, and the Vendor shall be fully responsible for the delivery, execution, and any necessary corrections in accordance with the approved shop drawings.
2. The design and engineering of the Mortuary Cabinets shall ensure that both the exterior and interior are constructed using SS 304 grade stainless steel materials. The construction shall incorporate rounded corners and minimal joints to prevent the accumulation of blood, fluids, and dirt.
3. The surfaces shall be corrosion-resistant, inhibit bacterial film growth, and withstand hospital-grade chemical disinfectants.
4. The Mortuary Cabinets shall be provided with high-density insulation comprising a minimum 50 mm thick polyurethane foam insulation within the cabinet walls.
5. The system shall include telescopic trays with ball-bearing rollers for smooth and effortless handling.
6. The cabinet shall be provided with hinged doors, individually lockable

compartments, double magnetic gasket seals, and dedicated keys.

7. The refrigeration system shall use CFC-free refrigerants.
8. The operational noise level of the system shall be below 50 dBA.
9. The system shall support dual temperature selection ranges of 2°C to 4°C and 2°C to 8°C.
10. The unit shall be provided with a microprocessor-controlled display with a temperature resolution of 0.1°C.
11. The system shall be equipped with an IoT-compatible temperature logger for remote monitoring and recording.
12. Audio and visual alarms shall be provided for power failure conditions and temperature deviations from the set values.
13. The system shall incorporate a forced-air cooling arrangement.
14. The condenser and evaporator coils shall be made of copper.
15. If required, the Client may carry out a third-party inspection prior to acceptance of the equipment.

Additional Design and Engineering Considerations

1. Valid third-party certifications shall be provided to ensure quality, reliability, and safety. Vendors and OEMs shall demonstrate compliance with internationally recognized standards and certification systems.
2. Deployment of an Internet of Things (IoT)-based remote monitoring system for temperature monitoring shall be included.
3. All electrical wiring shall utilize flame-retardant low-smoke (FRLS) or fire-resistant cables, properly labelled and routed through MS conduits for protection.

Documentation & Handover for pre-Operational

1. Upon successful completion of the supply, installation, testing, and commissioning of the system in accordance with applicable norms and readiness for hospital use, the Vendor shall prepare and submit comprehensive Operation & Maintenance (O&M) Manuals in both hard and soft copies, along with all necessary documentation required for smooth operation and maintenance of the system.
2. The Vendor shall submit complete as-built drawings covering civil, mechanical, and electrical systems, clearly indicating equipment locations, routing, and interconnections.
3. The Vendor shall submit warranty and guarantee certificates for all equipment, components, and systems, clearly defining the coverage period, scope, and applicable terms and conditions.
4. The Vendor shall prepare and hand over detailed Operation & Maintenance (O&M) Manuals including equipment specifications, operational procedures,

troubleshooting guidelines, and preventive maintenance schedules.

5. The Vendor shall submit a detailed maintenance checklist along with a recommended spare parts inventory to ensure reliable and uninterrupted system performance.

12. Warranty Certificates

The Contractor shall provide comprehensive warranty and guarantee certificates for all equipment, materials, and installations supplied under this order.

The following requirements shall be complied with:

1. A minimum warranty period of one year shall be provided from the date of commissioning and pre-operational approval.
2. The Contractor shall be responsible for all manufacturing defects, workmanship issues, and performance deviations identified during the warranty period.
3. Any defective component, equipment, or system shall be repaired or replaced by the Contractor at no additional cost to the Client during the warranty period.
4. Original warranty certificates from the respective Original Equipment Manufacturers (OEMs) shall be submitted for all critical equipment
5. The Contractor shall ensure continuity of service support and availability of spare parts during both the warranty and post-warranty periods.
6. A formal compliance statement confirming adherence to all warranty obligations shall form part of the final handover documentation.

13. Post-Installation Support

Post-Installation Support and Service Requirements

To ensure uninterrupted performance and long-term reliability of the mortuary system, the Contractor shall provide comprehensive post-installation support and service assistance in accordance with hospital operational and maintenance requirements.

The following requirements shall be complied with:

1. The Contractor shall submit an Annual Maintenance Contract (AMC) proposal for a period of 10 years after expiry of the warranty period, clearly defining the Service Level Agreement (SLA) terms, response times, scope of preventive maintenance, and service coverage.
2. Emergency call-out service support shall be provided with response times as defined by the hospital requirements.
3. The Contractor shall ensure the availability of adequate stock of spare parts,

consumables, and accessories for quick replacement and minimum system downtime.

4. Technical support for troubleshooting, calibration, and performance optimization shall be provided during both the warranty and AMC periods.
5. Periodic inspection and preventive maintenance visits shall be carried out to ensure safe, reliable, and uninterrupted operation of the system.
6. The Contractor shall submit a detailed escalation matrix indicating contact details and hierarchy for service support and issue resolution

15. VENDOR QUALIFICATION CRITERIA

1. The Vendor shall be a legally registered entity in India and shall possess a valid GST registration certificate.
2. The Vendor shall maintain adequate technical and skilled manpower to ensure timely, safe, and quality execution of the project.
3. The Vendor shall submit a declaration confirming that they have not been blacklisted, suspended, or debarred by any Government authority, healthcare institution, public sector undertaking, or other institutional body.
4. The Vendor shall disclose and submit details of any ongoing legal disputes, arbitration matters, or litigations, if any, that may affect the timely execution or successful completion of the project.

16.MORTUARY CABINETS

S. N	ITEM DESCRIPTION	TOTAL QTY	REMARKS
1	1 X 6 BODY CABINET	01NO.	
2	1 X 4 BODY CABINET	01 NO.	
3	SUPPLY, INSTALLATION, TESTING & COMMISSIONING	01 NO.	

17. SCOPE OF WORK

No.	Group	Scope of Work	Responsibility (Vendor/Client)	Deliverables / Remarks
1	Site Assessment	Site Survey & Assessment – Assess site conditions, layout, and space requirements for Mortuary Cabinet installation	Vendor	Site Assessment Report, Layout Plan
2	Engineering	Engineering Design & Drawings – Preparation of detailed mechanical and electrical designs	Vendor	GFC Drawings
3	Equipment Supply & Installation	Supply and Installation of Mortuary Cabinets and associated systems	Vendor	Complete installation as per approved design
4	System integration	Electrical Connections – Installation of electrical control panels, Earthing connection and wiring	Vendor	Power connectivity and control integration
5	System integration	Sensors, temperature monitoring, and alarm systems	Vendor	Integrated electrical and monitoring systems
6	Refrigeration	Installation of Refrigerant Piping and Accessories including outdoor units	Vendor	Refrigerant piping, insulation, and accessories
7	Safety & Compliance	Safety compliance checks, pressure testing, venting, alarms, and regulatory inspections	Vendor	Test Reports, Safety Certificates
8	Testing & Commissioning	Commissioning and Trial Run of the complete system to verify performance and safety	Vendor	Commissioning Report, Trial Run Log
9	Training	Training for Maintenance Staff on operation, emergency handling, and preventive maintenance	Vendor	Training Report, O&M Manual, Attendance Sheet
10	Documentation & Handover	Final Handover and Documentation including as-built drawings, manuals,	Vendor	Handover Certificate, Complete Documentation Set

		warranties, and certifications		
11	Civil	Civil Construction Works	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
12	Civil	Plain Cement Concrete (PCC)	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
13	Civil	Floor & Wall Finishes / Tiling	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
14	Civil	Glass / Gypsum Partitions and Wall Panelling	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
15	Civil	Doors, Windows, Ceiling, Painting, and External Finishes	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
16	Plumbing	Plumbing Works including water supply, drainage, and related connections	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
17	HVAC	Air Conditioning, Ventilation, Exhaust Systems, AHU, and Chilled Water Lines	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
18	Electrical	Main Electrical Power Supply, Lighting, and Earthing Infrastructure	Client	Vendor to specify load requirements and provide technical inputs
19	ELV	Networking and Data Boards	Client	Turnkey Vendor to specify required network port locations
20	ELV	CCTV for Central Monitoring	Client	Turnkey Vendor to provide necessary technical inputs and coordination requirements
21	ELV	Internet Connection	Client	Turnkey Vendor to specify required data/port locations and oversee coordination for execution
22	Fire & Safety	Fire Detection and Fire Suppression Systems	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor
23	Interior	Fixed Furniture, Loose Furniture, and Signage	Client	Vendor to provide necessary technical inputs for execution by Client's onboard contractor

18. Terms & Conditions of EoI

The EoI must include all relevant details and information requested in this document. Following the submission of the Expression of Interest (EoI), bidders who meet the initial requirements will be invited to deliver a presentation.

This presentation serves as an opportunity for bidders to showcase their proposed solutions, including technical capabilities, product features, and how their offering aligns with the project's objectives and integration with hospital infrastructure. Bidders are required to bring all their Original Equipment Manufacturer (OEM) partners to the presentation and fully demonstrate their complete potential and demonstrate their capability to deliver a complete end-to-end turnkey solution for the mortuary setup including all components relevant to the EoI. During the presentation, bidders should also address any questions from IMSF, clarify details of their solution, and demonstrate the suitability of their approach. If necessary, IMSF will communicate any additional specifications or OEM requirements that need to be incorporated into the solution.

After the presentation phase, selected bidders will be required to submit a detailed technical bid, including comprehensive information on the technology, equipment, systems, and services they plan to provide. The technical bid must also demonstrate compliance with the relevant global and national industry standards. If any updates or modifications are required based on discussions during the presentation, the technical bid may have to be revised as per the points raised in the discussion. Once all the technical criteria are evaluated, the bidders whose technical bid matches the requirements of IMSF will be asked to submit the financial bid.

These financial bids should outline the financial aspects of the proposals, including costs for equipment, installation, support, and any other related services. The final selection will be based on a combination of technical merit and cost-effectiveness to ensure the best overall solution for IMSF

19. TIMELINES AND CONTACT DETAILS

The due date for submission of the EoI is **25th June 2026, Thursday,5.30pm**

Enquiries and requests for further information regarding this RFQ shall be directed to the Contact Officer as detailed below:

Contact Officer: Mrs. Dhanyasree S., Admin Executive
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