

Facility Engineer position, CeNSE, IISc

Job Description: Cleanroom & Laboratory Facilities Engineer

Location: CeNSE, IISc Bengaluru

Facility Size: Class 10,000 Cleanroom (~8,000 sq. ft.) and 10 laboratories (~1,000 sq. ft. each)

Role Overview

The Facilities Engineer/Manager will be responsible for the operation, maintenance, and continuous improvement of CeNSE's Class 10,000 cleanroom and associated laboratories in IDS building and will be single point of contact for CeNSE in IDS building. The role includes oversight of critical utilities (AHUs, CSU, PCW, exhaust systems), tool hook-ups, consumables management, compliance with cleanroom/Labs, seating places, classrooms, conference rooms and safety standards.

Key Responsibilities

- **Cleanroom Operations & Maintenance**
 - Ensure smooth operation of the Class 10,000 cleanroom and associated labs.
 - Monitor and maintain environmental conditions (temperature, humidity, differential pressure, particle count).
 - Coordinate with service providers for preventive and breakdown maintenance of HVAC, CSU, PCW, and exhaust systems.
- **Utility & Infrastructure Management**
- Manage Air Handling Units (AHUs), Chilled Water Systems (CSU), Process Cooling Water (PCW), vacuum, compressed air, and exhaust systems.
 - Plan and execute tool hook-ups for new equipment installations.
 - Maintain adequate inventory of cleanroom consumables and spares.
- **Compliance & Safety**
 - Ensure compliance with ISO cleanroom standards and safety regulations.
 - Conduct routine safety audits and ensure laboratory/cleanroom safety practices are followed.
 - Coordinate with OLSEH for hazardous material handling, exhaust filtration, and emergency preparedness.
- **Coordination & Vendor Management**
 - Liaise with vendors, contractors, and facility service teams for maintenance and upgrades.
 - Support research groups and tool owners in infrastructure requirements.
 - Prepare documentation for audits, SOPs, and preventive maintenance schedules.
- **Planning & Reporting**

- Monitor utility consumption and optimize for energy efficiency.
- Generate daily and monthly reports.
- Plan facility upgrades, capacity expansion, and redundancy systems.
- Generate reports on cleanroom performance, uptime, and maintenance activities.

Qualifications

- **Education:**
 - Bachelor's/Master's in Mechanical Engineering, Electrical Engineering, Facilities Engineering, or related field.
- **Experience:**
 - 4-5 years of experience in cleanroom operations, semiconductor, nanofabrication.
 - Hands-on experience with HVAC, chilled water systems, process utilities, and tool hook-ups.
- **Skills:**
 - Strong knowledge of cleanroom classifications and maintenance practices.
 - Ability to read utility and P&ID drawings.
 - Vendor coordination and contract management.

Strong problem-solving, documentation, and communication skills.

Key Competencies

- Attention to detail and compliance mindset.
- Ability to work in a multidisciplinary research environment.
- Proactive maintenance and troubleshooting approach.
- Leadership and team coordination skills.

Salary: As per IISc Bangalore standards.

How to apply: Please apply online using the following link

[Application for Cleanroom & Laboratory Facilities Engineer – CeNSE – Fill out form](#)

Last date for application: 17th July 2026