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March 16, 2026

Advertisement for Operations Manager in SATHI Centre, (A Section 8 Company registered under the Indian Companies Act 2013) at IIT Hyderabad

Advertisement No. Project Staff/SATHI-CISCoM/2026/02

The **Sophisticated Analytical & Technical Help Institutes (SATHI)**, called the **Centre for In-Situ and Correlative Microscopy (SATHI-CISCoM)**, a testing facility established as a Section 8 Company registered under the Indian Companies Act 2013 at IIT Hyderabad, will serve as the cornerstone for cutting-edge characterisation. This facility is funded by DST, Government of India, and supported by 15 academic, research, and industrial organisations, including IIT Hyderabad. The proposed centre would be the first of its kind, enabling real-time characterisation across multiple length scales for fundamental and industrial R&D. SATHI aims to bring together scientists from a broad range of scientific disciplines, including physical sciences, chemistry, biology, and pharmaceutical studies, to address common scientific goals that can be addressed using such sophisticated microscopy techniques.

The SATHI-CISCoM centre is seeking suitable Indian nationals for appointment to the following temporary/ad hoc positions on a contractual basis. The contract will initially be for 1 year, with the option to extend, subject to satisfactory performance and SATHI's requirements.

Positions Available

Appointments are **purely temporary/ad-hoc and contractual**, initially for **one (1) year**, extendable based on satisfactory performance and the requirements of SATHI-CISCoM.

Project Associate Positions

(Common Pay Band and Age Limit)

Sl. No.	Designation	Facility / Area	No. of Posts	Maximum Age	Emoluments (Consolidated)
1	Application Specialist	Atom Probe Tomography (APT)	01	35 years	₹40,000 / month
2	Application Specialist	Transmission Electron Microscopy (TEM)	01	35 years	₹40,000 / month
3	Application Specialist	AFM with TERS	01	35 years	₹40,000 / month
4	Application Specialist	FIB-SEM	01	35 years	₹40,000 / month
5	Application Specialist	FTIR & Optical Microscopy	01	35 years	₹40,000 / month
6	Application Specialist	Specimen Preparation Facility	01	35 years	₹40,000 / month

Performance-Based Incentive (Linked to Centre Sustainability)

Performance-Linked Incentive: In addition to the consolidated monthly emoluments, Project Associates **may be considered for a performance-based incentive** based on measurable operational contributions such as the **number of samples analysed, experiments assisted, instrument uptime supported, and user training sessions conducted.**

However, the performance assessment for the sake of incentive shall be carried out **periodically** based on documented usage logs and facility records, and shall **not form part of the monthly fixed emoluments.** The amount of incentive, if any, determined upon assessment of performance will be disbursed subject to the availability of funds and approval of the competent authority.

Essential Qualification (Mandatory)

Applicants must possess **one of the following qualifications** from a recognised university/institution:

- **Master's degree** in Physics / Chemistry / Materials Science / Metallurgical Engineering / Nanotechnology / Life Sciences / Biomedical Engineering / Mechanical Engineering / Chemical Engineering/Electrical Engineering or allied areas
 - **Bachelor's degree** in Physics / Chemistry / Materials Science / Metallurgical Engineering / Nanotechnology / Life Sciences / Biomedical Engineering / Mechanical Engineering / Chemical Engineering/Electrical Engineering or allied areas **with relevant experience of 6 months or more.**
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Hands-on Experience (Preferred)

In addition to the academic qualification, **applicants with relevant hands-on experience will be preferred.** This experience **must involve active instrument usage**, such as:

- System operation and parameter optimisation
- Sample handling and preparation
- Data acquisition and basic analysis
- Routine checks, alignment, or calibration under supervision

Experience may be gained in **academic, national laboratory, industrial R&D, or shared facility environments.**

Experience on a **closely related or equivalent high-end instrument** will be considered valid.

Desirable Experience (Role-Specific)

(Preferred but not mandatory)

Project Associate – Atom Probe Tomography (APT)

- Direct experience with APT systems
- FIB-based needle specimen preparation
- Reconstruction and atomistic data analysis software

Project Associate – Transmission Electron Microscopy (TEM)

- Independent TEM operation
- Diffraction (SAED), EDS/EELS
- Specimen preparation using ion milling or FIB

Project Associate – AFM with TERS

- TERS-enabled AFM operation
- Raman spectroscopy and laser optics
- Nanoscale chemical mapping

Project Associate – FIB–SEM

- FIB milling and SEM imaging
- TEM lamella preparation
- EDS/EBSD analysis

Project Associate – FTIR & Optical Microscopy

- FTIR spectroscopy (ATR, transmission, mapping)
- Optical and polarized light microscopy
- Soft-material or biological sample preparation

Project Associate – Specimen Preparation Facility

- Mechanical polishing, ion milling, microtomy, cryo-preparation
 - Multi-instrument specimen preparation workflows
 - Contamination control and preparation SOPs
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Job Responsibilities

Project Associates will be responsible for:

- Day-to-day operation of assigned instruments
 - Sample preparation and experimental workflows
 - Training and assisting internal and external users
 - Routine maintenance, calibration, and upkeep of equipment
 - Maintaining usage logs, safety compliance, and documentation
 - Coordination with SATHI-CISCoM management and committees
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General Terms & Conditions

1. Appointment is **purely temporary and contractual**.
 2. Health Centre facility for self is available as per the Institute rules applicable to project staff.
 3. Leave entitlement shall be governed by the host institute norms.
 4. Applicant must be an **Indian citizen**.
 5. Mere possession of minimum qualifications does not guarantee shortlisting.
 6. The Screening Committee may adopt suitable shortlisting criteria.
 7. SATHI-CISCoM reserves the right to amend, revise, or cancel this advertisement without prior notice and without assigning any justification.
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How to Apply

Applications must be submitted **online before 7 Apr 2026 via the Google Forms link at <https://forms.gle/pVwiE661XkW9e8v78>**.

Only shortlisted candidates will be informed via email regarding interview details.

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1. Benefits, terms, and conditions under SATHI-CISCoM centre:

- a. In addition to the emoluments indicated against each category of posts, facilities of a health centre for self-use are available, per the Institute rules, as applicable, for project staff.
- b. Each appointment will be made on a contractual basis initially for a maximum of one year, with the possibility of extension based on noteworthy performance.
- c. Scientific/Technical manpower is entitled to leave in accordance with the host institution's rules.

2. Other conditions

- a. The applicant must be a citizen of India.
- b. All applicants must fulfil the essential requirements of the post and the other conditions stipulated in the advertisement as of the last date for receipt of applications. They are advised to satisfy themselves before applying that they possess at least the essential qualifications laid down for various posts as of the last date of receipt of the applications. No enquiries (in any mode) asking for advice on eligibility will be entertained.
- c. The prescribed essential qualifications are the minimum, and the mere possession of them does not entitle candidates to be called for an interview. The duly constituted Screening Committee may adopt its own criteria for shortlisting the candidates for the interview. The candidate should, therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported by self-certified documents. Completion of the degree will be reckoned from the date of issue of the provisional certificate/notification.
- d. The candidates shortlisted for interview only will be communicated through email regarding the date and time of the interview. The mode of the interview will be communicated through email one week in advance.
- e. The prescribed qualifications should have been obtained through recognised Universities/Institutions. Incomplete application/applications received or not accompanied with the required certificates/documents are liable to be rejected.
- f. The date for determining the upper age limit, qualification, and/or experience shall be the closing date prescribed for receipt of applications.
- g. The period of experience shall be counted after the date of acquiring the minimum prescribed educational qualifications, i.e., only post-qualification experience will be counted.
- h. The SATHI-CISCoM centre reserves the right not to fill up the posts or cancel the Advertisement in whole or in part without assigning any reason, and its decision in this regard shall be final.
- i. Except for the consolidated salary and medical as mentioned above, no other benefits shall be applicable.

**Sd/
Principal Investigator
SATHI-CISCoM**