



**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**  
(Autonomous Institution of the Department of Atomic Energy, Government of India)  
Sy.No.36/P, Gopanpally Village, Serilingampally Mandal,  
Ranga Reddy Dist. Hyderabad – 500 046  
Tel: +91(0) 40 2020 3040 Website: [www.tifrh.res.in](http://www.tifrh.res.in)

**Advertisement No.2021/01**

Applications are invited for the following posts tenable at Hyderabad. Please visit our website for application details and prescribed requirements <http://www.tifrh.res.in/index.php/staff-positions/>.

Sr. No.	Name of the Post	Reservations					Age Below	Pay Level & Pay Stage	TME
		UR	SC	ST	OBC	PwBD			
1.	Technical Officer (C)	1	-	-	-	-	28	Pay Level -10; Pay Stage 1	Rs. 87,525/-
2.	Project Scientific Officer (C)	1	-	-	-	-	28	Rs. 75,500/- consolidated pay	Rs. 75,500/- consolidated pay (including of HRA of Rs.12,100/-)
3.	Project Scientific Officer (B) - IT	1	-	-	-	-	28	Rs. 61,500/- consolidated pay	Rs. 61,500/- consolidated pay (including of HRA of Rs.10,200/-)

**Abbreviations:** UR – Unreserved; OBC - Other Backward Classes; SC - Scheduled Caste; PwBD - Persons with Benchmark Disability (OH - Orthopedically Handicapped; HH - Hearing Handicapped); TME - Total Monthly Emoluments.

1. **TECHNICAL OFFICER (C): One Post (Un-reserved):** Pay Level 10; Pay Stage 1; Total monthly emoluments : Rs. 87,525/-; HQ : Hyderabad

**Essential Qualifications:** Full Time B.E. / B. Tech with aggregate of 60% marks from a recognized university/institute in Mechanical Engineering or Instrumentational Engineering.

**Essential Experience:** Minimum 2 years of post-qualification experience in mechanical workshop or instrumentation or related areas.

**Desirable Experience:** Knowledge in vacuum science and manufacturing, Desirable that the candidate has exposure in machine shop tools to interact with machinist and develop tool capability for implementation of work orders/jobs. Preferable to have experience in Solid-works to be able to generate 2D and 3D drawings of vacuum components for assembly. Experienced in using electronics such as oscilloscope, voltage and current sources and in building simple table-top electronic modules.

**Job Requirement:**

1. Operational maintenance of ultra-high vacuum cluster system. Knowledge of materials preferred for vacuum applications would be desirable.
2. Generate 2D and 3D drawings of vacuum components for assembly and other assembly components.
3. Desirable that the candidate has exposure in machine shop tools to interact with machinist and develop tool capability for implementation of work orders/jobs.
4. Develop new vacuum assemblies in the lab with interaction with members in the laboratory.
5. Monitoring and building basic electronic modules for laboratory.
6. Take charge of lab based procurement needs.

2. **PROJECT SCIENTIFIC OFFICER (C): One Post (Un-reserved):** -Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

**Essential Qualifications:** Full Time M.Sc. in Chemistry with aggregate of 60% marks from a recognized university/institute.

**Essential Experience:** Minimum 1 year of post-qualification experience in chemistry laboratory.

**Desirable Experience:** Knowledge of handling single crystal X-ray diffractometer, UV/Vis, and FT-IR spectrometer. Experienced in using UV/Vis and FT-IR spectrometer. Knowledge of computer platforms windows including Excel and power point. Good command of written and verbal communication in English.

**Job Requirement:**

1. Operating and maintaining single crystal X-Ray diffractometer.
2. Training and assist chemistry students in the use of single crystal X-ray diffractometer, UV/Vis and FT-IR spectrometer.
3. Assisting synthetic chemistry faculty in the development and implementation of wet chemistry laboratory instrumental facility at TIFR Hyderabad.
4. Coordinating with vendors, TIFR administration and scientists for the tendering, acquisition and maintenance of common synthetic chemistry laboratory equipment, supplies and establishment of infrastructure of common synthetic chemistry research areas.

3. **PROJECT SCIENTIFIC OFFICER (B) - IT: One Post (Un-reserved):** - Temporary for one year and may be renewed each year upto a total period of three years depending upon performance and requirement.

**Essential Qualifications:** Full Time B.E. /B.Tech (CSE/IT/ECE) with minimum 60% of marks in aggregate (OR) M.Sc. (CSE/IT) with minimum 60% marks in aggregate (OR) MCA/MCS with minimum 60% marks in aggregate from a recognized university/institute.

**Essential Experience:** Minimum 2 years of post-qualification experience in System administration in a large/reputed organization.

**Job Requirement:**

1. Linux systems administration.
2. Proficient in networking concepts able to administer a L2/L3 managed LAN.
3. Working knowledge and ability to administer Internet leased lines.
4. Working knowledge of computer architecture, storage, and networking concepts.
5. VoIP management - Maintaining the VoIP servers, routers, intercom, configuring and assigning IP Phones.
6. Providing AV support for institute's programs, seminars and colloquia, outreach events, installing equipment i.e. microphones, sound speakers, projectors etc.
7. Handling video recording, processing and uploading videos, providing support for video conferences, online meetings, audio bridge conference, collecting slides from the speaker.
8. Setting up audio and stage lighting for special programs and cultural events.
9. Any other task assigned by the Reporting Officer.
10. Strong interpersonal skills and the ability to function in a team environment.
11. Understanding of BASH shell scripting including understanding existing scripts and writing new scripts.
12. Software installation and maintenance on Linux, UNIX, Windows and Mac operating system.

**Job Description:**

1. The System Administrator is responsible for effective provisioning, installation/configuration, operation, and maintenance of systems hardware and software and infrastructure.
2. This individual participates in technical research and development to enable continuing innovation within the infrastructure as well as its day-to-day maintenance.
3. This individual ensures that system hardware, operating systems, software systems, and related procedures adhere to or organizational values, enabling staff, students and faculty.

**Desirable Experience:**

1. Linux Administration course completion certificate is desired.
2. Working knowledge of projectors, Multi point control units, soft video conferencing setups, public addressing systems, VoIP systems, etc.,
3. Hands on experience in handling audio visual equipment like audio amplifier, HD PTZ cameras, video matrix switcher, and recording/streaming devices.

**General Information:**

Higher starting salary could be considered for deserving candidates.

Candidates are liable to be transferred to other Centres / Field Stations of the Institute, if required.

Appointment for Post Serial Number - 1 will be initially for a period of three years, including probation period of one year. Continuing appointment beyond the initial period will be subject to the results of a comprehensive review and performance appraisal. After successful review, the appointment is continued till superannuation age, which is sixty.

Selected candidates may have to work in shifts/outside office hours and on Saturdays/Sundays and holidays.

Prescribed age should not exceed as on **January 1, 2021** for the above posts.

Selected candidate for the post serial no - 1 will be governed by National Pension System applicable to the Central Government service [unless she/he is already governed by CCS (Pension) Rules 1972].

Posts for the general category (Unreserved) – SC/ST/OBC/EWS/PwBD (Persons with Benchmark Disabilities) candidates can also apply.

Applications from the candidates will be accepted **ONLY ON-LINE**.

Candidates applying for above posts and who are eligible for **further age relaxation** as per extant GOI rules are required to submit applications by POST, along with a copy of relevant certificate in support of age relaxation (**for example ex-servicemen, persons with Benchmark disabilities etc.**). [SC, ST & OBC candidates applying for unreserved posts are not eligible for age relaxation and should apply online].

Applicants working in Government/Semi-Government/Public Sector Undertaking must apply through proper channel. Applicants, who do not send their applications through proper channel, if called, will be allowed for Written Test / Interview only upon submission of the NOC from the competent authority. However, an advance copy of application along with the relevant enclosure may be submitted by post before the due date.

Incomplete applications and applications without photocopy of certificates in support of age relaxation and applications received after the last date shall not be considered.

i) On-line applications must be submitted by **09 April 2021** and applications by post must reach the Administrative Officer, TIFR Hyderabad by **09 April 2021**. Applicants who are required to send the applications by post must super scribe the post applied for, Advertisement No. & Serial Number of the post on the envelope. The format of the application is as prescribed for on-line applications.

**ii) Note: The candidates are required to produce following original documents with copies at the time of written test/interview:**

- a. Printout of online application form.
- b. Identity proof (Aadhar Card/ Election Card / Pan Card / Passport / Driving License).
- c. Date of birth / Proof of age.
- d. Educational Qualification (all mark sheets and certificates).  
In case Universities/Board award letter grades/CGPA/OGPA, the same will have to be indicated as equivalent percentage of marks as per the norms adopted by the University / Board. In the absence of the same, the candidature will not be considered (While submitting original documents for verification, the candidates will have to produce the norms of the University / Board for conversion of grades/CGPA/OGPA to equivalent percentage of marks.
- e. Experience Certificate/s.
- f. Conduct certificates from two respectable persons.
- g. Caste Certificate in proper Govt.format (if applied for reserved posts)
- h. SC/ST/OBC & PwBD certificate (wherever applicable) in the Government of India format. OBC candidates should submit a valid copy of the Non-Creamy Layer certificate issued by competent authority in the Govt. of India format. The OBC Non Creamy Layer certificate in GOI format should be preferably for the current financial year on the date of closing of application or utmost not earlier than one year from the date of closing of application.
- i. Candidates applying for the post reserved for Persons with Benchmark Disability (HH/OH) should suffering from not less than 40% of the relevant disability for the benefit of reservations. Candidates will have to submit a Disability Certificate issued by the competent authority in the prescribed format. PwBD candidates belonging to SC/ST/OBC will be given further age relaxation as per the extant GoI rules.

iii) Outstation candidates called for recruitment process for the post at Sr.No.1 to 3 will be paid single First class (not air-conditioned) / III Tier AC train fare for the journey by the shortest route from the nearest railway station of their place of residence to the place of written test/interview on the production of photocopies of onward and return journey tickets.

iv) If you travel by air, your air-fare will be restricted to the train fare (as per travelling allowance applicable to you) on production of tickets and boarding passes.

v) The Institute reserves the right to restrict the number of candidates for written test/interview to reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement. Mere fulfilling the essential and desirable qualifications will not entitle an applicant to be called for written test/interview. More vacancies may also be filled through this advertisement. The Institute reserves the right not to fill any/some posts herein advertised. Canvassing in any form shall disqualify the candidate.

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