



टाटा मूलभूत अनुसंधान संस्थान
TATA INSTITUTE OF FUNDAMENTAL RESEARCH
1 होमी भाभा रोड, कुलाबा, मुंबई - 400005
1 Homi Bhabha Road, Colaba, Mumbai 400 005
भारत सरकार के परमाणु ऊर्जा विभाग की स्वायत्त संस्था एवं समविश्वविद्यालय
An Autonomous Institution of the Department of Atomic Energy of
Government of India and a Deemed to be University

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Advertisement No. 2026/5

Applications are invited for the following posts tenable at Mumbai.

Sr. No.	Name of the post	Reservations						Age Max.	Pay Level and Pay Stage as per 7 th CPC Pay Matrix	TME (Rs.)
		UR	SC	ST	OBC	PwBD	EWS			
1	Engineer (D) [Mechanical]	1	0	0	0	0	0	35	Pay Level 11 Pay Stage 1	Rs.138652/-
2	Jr. Engineer (B) [Mechanical]	1	0	0	0	0	0	28	Pay Level 6, Pay Stage 1	Rs.72240/-
3	Tradesman (B) [Carpenter]	0	0	0	0	0	1	28	Pay Level 3, Pay Stage 1	Rs.46484/-
4	Tradesman (B) [Fitter]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	Rs.46484/-
5	Tradesman (B) [Machinist - Miller]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	Rs.46484/-
6	Project Scientific Officer (C)	1	0	0	0	0	0	28	Consolidated Pay (Includes HRA); 1,03,400/-	
7	Library Trainee	3	0	0	0	0	0	28	Consolidated Pay Rs. 22,000/-	
8	Temporary Work Assistant	1	0	0	0	0	0	28	Consolidated Pay (Includes HRA); 32,300/-	
9	Temporary Work Assistant	1	0	0	0	0	0	28	Consolidated Pay (Includes HRA); 32,300/-	

Abbreviation: UR - Unreserved; SC - Scheduled Caste; ST - Scheduled Tribe; OBC - Other Backward Class; EWS - Economically Weaker Section; PwBD - Persons with Benchmark Disabilities; TME - Total Monthly Emoluments.

1 ENGINEER (D) (MECHANICAL ENGINEER) – ONE POST – UNRESERVED

Qualification:

- (a) Full Time M.E. / M. Tech. in Mechanical Engineering/ Industrial Engineering/ Production Engineering/Industrial and Production Engineering with aggregate of 60% marks from a recognized university /institute.

OR

- (b) Ph.D. from a recognized university /institute in Mechanical / Industrial / Production Engineering with experience in Modern machining technologies & CAD/CAM/CAE.

Experience:

Minimum 2 years' experience in managing a modern Machine Shop/Tool Room of a medium or large-scale manufacturing/production industry. Hands-on experience in Precision Machining using multi-axes CNC machines, CAD/CAM/CAE, GD&T, Engineering Materials, Welding, Manufacturing Process Planning & Control, Jigs & Fixture Designing and Quality Control (CMM etc.).

Job Profile:

The Engineer will be mainly involved in Design & Development, Precision Manufacturing, Tracking, Control and Man Management tasks for development of technically challenging components/products, required in present and future TIFR programs. The Engineer shall be engaged in machining /Joining Fixture design optimization for efficient and precision manufacturing. The Engineer will also be responsible for shop floor planning activities for efficient manufacturing.

Desirable Qualification and Experience:

Minimum 2 years post qualification experience in above mentioned experience criteria. Candidate should have production planning experience & also should have knowledge of Public/Global tendering processes, e-procurement government portal & GeM procurement portal.

Candidate should possess proven critical thinking & problem-solving skills, mathematical aptitude and communication abilities.

Mode of Recruitment: Personal Interview.

2 JUNIOR ENGINEER (B) [MECHANICAL] – ONE POST – UNRESERVED

Qualification & Experience:

- a) Full time Diploma in Mechanical Engineering from a recognised University/Institute with aggregate of 60% marks.
- b) Knowledge of use of personal computers and applications (Office Applications – Word/Excel/PowerPoint, Email, Web Browser, Acrobat Reader etc).
- c) Minimum 1 to 2 years of experience in a medium size manufacturing plant/Tool Room/Machine shop/Metal fabrication shop having CNC machines such as lathe, VMC, HMC, 5 axis machining centres, Wire EDM machines, laser cutting/marketing machines etc. as a supervisor. Hands on experience on popular and latest CNC control systems - Siemens, Heidenhein and Fanuc. Also having experience in modern furniture making/metal fabrication mid-size manufacturing plant with latest production machines.

Job Profile:

Indicative Roles:

- Operating CNC machines
- CNC machine programming
- CNC Tooling, Jigs & Fixtures
- Computer Aided Design & Manufacturing (CAD/CAM), AutoCAD Drafting etc.
- Manufacturing services like QA, Inspection (Including CMM), Procurement, Materials, etc.
- Supervision at shop floor
- Machine Maintenance
- Project Management

Desirable Qualification and Experience:

- Proficiency in using CAD software – SolidWorks/NX and CAM software - NX-CAM/Mastercam.
- Good knowledge of 3D CMM machine & quality control processes.
- Good knowledge of latest manufacturing/machining technologies.

Mode of Recruitment: Personal Interview.

3 TRADESMAN (B) [CARPENTER] – ONE POST - ECONOMICALLY WEAKER SECTION

Qualification & Experience:

- National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT in trade of Carpenter).
 - Two years' experience in relevant field.
- OR
- National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in trade of Carpenter.
 - One year experience in relevant field.

Desirable Qualification and Experience:

- Good Knowledge of doing precision jobs on wood working machineries, doing furniture work, packing boxes and all type of wood works. Also having knowledge of wood polishing work.
- Candidate should possess good health & requires to assist senior technician during work & movement of heavy material/jobs.
- Good knowledge of latest manufacturing technologies with modern wood working machines & furniture production machines tools.
- Should have sound knowledge about various types of woods, plywood, laminates & adhesives.
- Candidate should be able to read the machine drawings / blueprints.

Mode of Recruitment: Written Test and Trade Test.

Applicants with over qualification will not be considered

4 TRADESMAN (B) [FITTER] – ONE POST – UNRESERVED

Qualification & Experience:

- National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT in trade of Fitter).

b) Two years' experience in relevant field.

OR

a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in trade of Fitter.

b) One year experience in relevant field.

Desirable Qualification and Experience:

Experience: Working experience in a medium size workshop engaged in Sheet metal fabrication, M.S./S.S. structural fabrication, hands on experience in operation of latest fabrication machinery such as shearing machine, power press, sheet rolling machine, welding etc.

Candidate should be able to read the fabrication drawings & should have hands on experience of M.S. Aluminium & S.S. structural welding & brass/copper brazing job work.

Mode of Recruitment: Written Test and Trade Test.

Applicants with over qualification will not be considered

5 TRADESMAN (B) [MACHINIST-MILLER] – ONE POST – UNRESERVED

Qualification & Experience:

a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT in trade of Machinist (Miller)).

b) Two years' experience in relevant field.

OR

a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in trade of Machinist (Miller).

b) One year experience in relevant field.

Desirable Qualification and Experience:

- Good knowledge of precision jobs machining on conventional as well as CNC Machining centres in Tool room / mid-size industry & also should have CNC programming knowledge.
- Good knowledge of latest manufacturing/machining technologies with hands on working knowledge on CNC machines such as lathe, VMC, HMC, 5 axis machining centres, Wire EDM machines, laser cutting/marketing machines etc.
- Candidate should be able to read the machine drawings & Proficiency in using CAD software – Auto cad, Solid Works/NX and CAM software – NX-CAM/Master cam etc.

Mode of Recruitment: Written Test and Trade Test.

Applicants with over qualification will not be considered

6 PROJECT SCIENTIFIC OFFICER (C) – ONE POST – UNRESERVED

Qualification & Experience:

(a) Full time Degree in Electronics / Electronics and Telecommunication Engineering (BE/B.Tech with aggregate of 60% marks) from a recognized university/institute.

(b) 1 year experience in the design, development, and debugging of high-speed analog, digital or FPGA/RFSoc-based electronic systems post-graduation.

Desirable Qualifications and Experience:

- Experience in the design and implementation of data acquisition and control system for scientific experiments or instrumentation, preferably spectrometers or similar systems.
- Familiarity with RFSoc-based signal processing architectures, high-speed ADC/DAC interfaces, and system integration.
- Working knowledge of Linux operating systems, including system administration and network configuration.
- Experience in PCB design and debugging for mixed-signal electronic systems.
- Proficiency in Hardware Description Languages (VHDL/Verilog) experience with FPGA and SoC-based digital signal processing.
- Experience with MATLAB and Simulink for modelling, simulation, and verification of signal processing algorithms, and familiarity with CASPER tools and workflows for FPG-based instrumentation.
- Knowledge of data communication protocols such as Ethernet, SPI, UART, or AXI.
- Familiarity with simulation and circuit-design tools such as SPICE, LTSpice, or equivalent for analog and mixed-signal circuit design.

Job Description:

- Study, design, develop, and debug low-noise analog front-end circuits and high-speed digital signal processing systems for RFSoc-based spectrometers.
- Implement and optimize digital signal processing algorithms on FPGA and SoC platforms.
- Participate in the integration, testing, and performance evaluation of the developed electronic systems.
- Work with scientists and engineers in the development, calibration, and deployment of spectrometer instrumentation for research applications.
- Maintain technical documentation, provide operational support and contribute to the continuous enhancement of hardware, firmware and associated software systems.

Mode of Recruitment: Written Test and Personal Interview OR Personal Interview only.

7 LIBRARY TRAINEE – THREE POSTS – UNRESERVED

Qualification:

- (a) Graduate from recognised University/Institute (Science preferable)
&
- (b) B. Lib. from a recognized University/Institute.

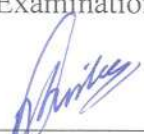
(Candidates who have appeared for final exam/semester of BLISc/MLISc and are waiting for results can also apply)

Mode of Selection: Written Test and Skill Test.

8 TEMPORARY WORK ASSISTANT – ONE POST – UNRESERVED

Qualification & Experience:

- (a) S.S.C. OR Equivalent (Central/State Board Examinations).
- (b) Minimum One year experience



Desirable:

- a) Knowledge of photocopying and basic library science skills preferred.

Job Requirements:

- a) Job responsibilities include processing, shelving and shifting of books/journals, packing of parcels, attending desk duties on shifts/holidays and also on normal working days whenever required. Other routine jobs of an Attendant.

Mode of Recruitment: Written Test and Skill Test.

9 TEMPORARY WORK ASSISTANT – ONE POST – UNRESERVED

Qualification & Experience:

- (a) S.S.C. OR Equivalent (Central/State Board Examinations).
(b) Minimum One year experience and basic science knowledge.

Desirable Qualifications and Experience:

- Experience in working in a scientific research lab
- Knowledge of safety aspects needed in a Chemistry Lab

Job Description:

- To assist the NMR facility staff in maintaining a functional facility
- Assist in cryogen filling
- Assist in maintaining a safe working environment and to ensure NMR instruments are functional

Mode of Recruitment: Written Test and Skill Test.

General Information:

1. All the above posts are tenable at TIFR, Colaba, Mumbai.
2. Selected candidates for all the above posts are liable to be transferred to other Centers/Field Stations of the Institute, if required.
3. A higher starting salary could be considered for deserving candidates for all the above posts except posts at sr. no. 6 to 9.
4. Appointment for the above post at Sr. No. 1 to 5 will be initially for a period of three years, including a probation period of one year. Continuing appointment beyond the initial period of three years 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.
5. Selected candidates for all the above posts will be required to work on Saturday/Sundays and holidays, as per the exigencies of the Institute.
6. Selected candidates for the post at sr.no.7 will be required to work shifts between 0745 hrs to 2100 hrs.
7. Prescribed age should not exceed as on **January 01, 2026**, for the above posts. Age relaxation as per rules.

8. Selected candidates for posts at sr. no. 1 to 5 will be governed by the National Pension System applicable in the Institute [unless already governed by CCS (Pension) Rules 1972].
9. The posts at sr. no. 6 to 9 are purely temporary and will not have any claim for any permanent or temporary appointment in the Institute either during or after the temporary /project period.
10. Post/s for general category (Unreserved) – SC/ST/OBC/EWS/PwBD candidates can also apply.
11. **Applications from the candidates will be accepted ONLY ON-LINE**
 - i) Applicants from Government/Semi-Government/ Public Sector Undertaking/Autonomous bodies, if called, will be able to participate in the recruitment process only upon submission of NOC from the competent authority, at the time of selection process.
12. Incomplete online applications shall not be considered.
13. **On-Line applications must be submitted by 16 May 2026.**
14. The candidates are required to produce the following original documents with copies at the time of recruitment process:
 - a. Printout of online application form.
 - b. Identity Proof (Aadhaar 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. Character certificates from two respectable people.
 - g. SC/ST/OBC/EWS & PwBD certificate (wherever applicable) in the Government of India format.
 - h. PwBD candidates applying for the unreserved post should be suffering from not less than 40% of the disability for the benefit of age relaxation. Candidates will have to submit a Disability Certificate issued by the competent authority in the prescribed format.
15. A) Outstation candidates called for the recruitment process for the posts at sr.no. 1 & 6 will be paid single first class (non-air conditioned)/III Tier A/C return fare for the journey by the shortest route from the nearest railway station of their place of residence on the production of photocopies of onward and return journey tickets.
B) Outstation candidates called for recruitment process for the posts at sr.no. 2 will be paid single second class (non-air conditioned) return train fare for the journey by the shortest route from the nearest railway station of their place of residence on the production of photocopies of onward and return journey tickets.

"If you travel by air, you are required to purchase air tickets ONLY from 1) M/s Balmer Lawrie & Company Limited (BLCL) 2) M/s Ashok Travels & Tours (ATT) 3) Indian Railways Catering and Tourism Corporation Ltd. (IRCTC). BOOKING THROUGH THE WEBSITE OF

AIRLINES IS NOT ALLOWED. The air-fare for such candidates will be restricted to the eligible return train fare on production of tickets and boarding passes".

16. The Institute reserves the right to restrict the number of candidates for the recruitment process to a reasonable limit on the basis of qualifications and experience higher than the minimum prescribed in the advertisement. Mere fulfilling the essential and desirable qualifications and experience will not entitle an applicant to be called for the recruitment process. The Institute reserves the right not to fill any/some posts herein advertised. Canvassing in any form shall disqualify the candidate.
17. Before applying for the post, the candidate should ensure that they fulfill the eligibility and other criteria. Recruitment authorities would be free to reject application not fulfilling the requisite criteria, at any stage of recruitment, and if erroneously appointed, such candidates shall be liable to be terminated from service if appointed.
18. The Institute reserves the right to conduct written tests, skill tests, interviews etc. online/in-person.

