

TATA INSTITUTE OF FUNDAMENTAL RESEARCH

National Centre of the Government of India for Nuclear Science & Mathematics and a Deemed University
1, Homi Bhabha Road, Colaba, Mumbai 400 005

Advertisement No. 2024/4

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	1,27,633/-
2	Engineer (C) [Electrical]	1	0	0	0	0	0	28	Pay Level 10, Pay Stage 1	1,07,565/-
3	Scientific Officer (C)	1	0	0	0	0	0	28	Pay Level 10, Pay Stage 1	1,07,565/-
4	Scientific Officer (C)	0	0	0	1	0	0	31	Pay Level 10, Pay Stage 1	1,07,565/-
5	Administrative Officer (C)- [Vigilance]	1	0	0	0	0	0	40	Pay Level 10, Pay Stage 1	1,07,565/-
6	Scientific Officer (B)	1	0	0	0	0	0	28	Pay Level 8, Pay Stage 1	87,604/-
7	Administrative Assistant (B)	1	0	0	0	0	0	33	Pay Level 6, Pay Stage 1	66,498/-
8	Administrative Assistant (B)	1	0	0	0	0	0	33	Pay Level 6, Pay Stage 1	66,498/-
9	Administrative Assistant (B)	0	0	0	0	0	1	33	Pay Level 6, Pay Stage 1	66,498/-
10	Junior Hindi Translator	1	0	0	0	0	0	30	Pay Level 6, Pay Stage 1	66,498/-
11	Tradesman (B)- [Machinist]	0	0	0	1	0	0	31	Pay Level 3, Pay Stage 1	42,797/-
12	Tradesman (B)- [Glass Blower/ Fitter]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
13	Tradesman (B)- [Turner]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
14	Tradesman (B)- [Turner]	0	0	1	0	0	0	33	Pay Level 3, Pay Stage 1	42,797/-
15	Tradesman (B)- [Electrician]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
16	Tradesman (B) - [Electrician]	0	0	1	0	0	0	33	Pay Level 3, Pay Stage 1	42,797/-
17	Tradesman (B) - [Electrician]	0	0	0	0	0	1	28	Pay Level 3, Pay Stage 1	42,797/-
18	Tradesman (B) - [Central Air Conditioning Plant Mechanic]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
19	Tradesman (B) - [Central Air Conditioning Plant Mechanic]	0	0	0	1	0	0	31	Pay Level 3, Pay Stage 1	42,797/-
20	Tradesman (B) - [Carpenter]	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
21	Clerk (A)	1	0	0	0	0	0	28	Pay Level 3, Pay Stage 1	42,797/-
22	Clerk (A)	0	0	0	0	1	0	38	Pay Level 3, Pay Stage 1	42,797/-

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			
23	Cook (B)	1	0	0	0	0	0	30	Pay Level 2, Pay Stage 1	36,425/-
24	Work Assistant (Technical) – [Carpenter]	1	0	0	0	0	0	28	Pay Level 1, Pay Stage 1	33,651/-
25	Work Assistant (Auxiliary)	2	0	0	0	0	0	28	Pay Level 1, Pay Stage 1	33,651/-
26	Work Assistant (Auxiliary)	0	0	0	0	0	2	28	Pay Level 1, Pay Stage 1	33,651/-
27	Work Assistant (Auxiliary)	0	0	0	1	0	0	31	Pay Level 1, Pay Stage 1	33,651/-
28	Security Guard	1	0	0	0	0	0	28	Pay Level 1, Pay Stage 1	33,651/-
29	Temporary Work Assistant	1	0	0	0	0	0	28	Consolidated Pay Rs.30,100/-	
30	Library Trainee	2	0	0	0	0	0	28	Consolidated Pay Rs.22,000/-	

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	<p>ENGINEER (D) [MECHANICAL] – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Full Time M.E. / M. Tech./equivalent with aggregate of 60% marks from a recognized university /institute in Mechanical Engineering/ Industrial Engineering/ Production Engineering/Industrial and Production Engineering</p> <p>OR</p> <p>(a) Ph.D. from a recognized university /institute in Mechanical / Industrial / Production Engineering with experience in Modern machining technologies & CAD/CAM/CAE</p> <p>(c) 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.).</p> <p>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</p>
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	<p>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</p> <p>Candidate should possess proven critical thinking & problem-solving skills, mathematical aptitude and communication abilities</p> <p>Desirable Qualification and Experience: Post qualification experience preferred. After acquiring essential qualification mentioned above, the candidate must have relevant experience in Modern machining technologies & CAD/CAM/CAE in Research & Development. Candidate should have production planning experience & also should have knowledge of Public/Global tendering processes, eprocure government portal & GeM procurement portal</p> <p>Mode of Recruitment: Personal Interview.</p>
2	<p>ENGINEER (C) [ELECTRICAL] – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Full Time Degree in Engineering (BE/B.Tech with aggregate of 60% marks) from a recognized University/Institute in Electrical engineering.</p> <p>(b) Experience: Minimum three years of work experience in handling the following work :</p> <ol style="list-style-type: none"> i) Installation, Operation and Maintenance of large electrical installation having substation with HT & LT switchgears, transformers, protective electrical system, D.G. set, Control system, Lab wiring, etc. ii) Study the requirement of electrical work, Preparation of tender specification & drawings, estimation of cost, tender scrutiny & award of contract, execution of work through interaction with contractor including taking & certifying the measurement, etc. <p>Desirable Qualification and Experience: Post qualification experience preferred. Working experience in large electrical installation of multi storied educational building having electrical substation with knowledge of CPWD schedule of rate & procedure. Usage of Computer and working with application like Auto CAD, Staad pro, etc. Knowledge of use of personal computers and its applications.</p> <p>Job Requirement: The person appointed shall lead the large work force comprising technician, Jr. Engineers, etc. and is responsible for upkeep of the electrical installation for uninterrupted round the clock operation.</p> <p>Mode of Recruitment: Personal Interview.</p>
3	<p>SCIENTIFIC OFFICER (C) – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Full Time Bachelor’s Degree Course in Engineering of B.E./B.Tech. (with aggregate of 60% Marks) in Electronics and Communication from a recognized University/Institute.</p>

(b) Minimum Two Years' experience in the relevant field

Job Description:

The candidate will likely be working on the design and development of electronic systems for the ongoing phase-2 upgrade program of the CMS experiment at the LHC. The candidate should be able to design multilayer PCBs using CAM/CAD software (Altium Designer is preferred). The candidate should be able to develop test benches from scratch using Xilinx Vivado/ISE for FPGA ('Xilinx') based embedded systems and to implement RTL design (Verilog or VHDL). The candidate is anticipated to create intricate firmware for the project's trigger and/or DAQ pipeline. For the aforementioned project, the candidate is expected to test and troubleshoot various electronic test systems. The candidate should be comfortable using instruments used in laboratories, such as function generators, mixed-signal oscilloscopes, and digital multimeters, and should have extensive knowledge in C, C++, and Python coding languages.

Desirable Qualification: Candidates with experience in the relevant field will be given preference.

Mode of Recruitment: Personal Interview.

4 SCIENTIFIC OFFICER (C) – ONE POST – RESERVED FOR OTHER BACKWARD CLASS.

Qualification & Experience:

(a) Full time Degree in Engineering (BE/B.Tech with aggregate of 60% marks) in Computer Science / Information Technology from a recognized university/institute.

(b) Minimum 3 years' experience in relevant field.

Job Requirement: The candidate should have

(a) a clear understanding of web application development concepts using JSP/Servlets/Angular/Ionic/Spring/Hibernate/DBMS and SQL.

(b) Worked on Linux operating system/Oracle database administration.

(c) Knowledge about Docker/cloud computing infrastructure.

(d) Have good programming skills in Java and PL/SQL.

(e) Be active and open to acquiring new skills.

(f) Have good communication and interpersonal skills.

Job Profile: The candidate will be required to :

(a) work in a software development team for web application development using Java, Angular Spring frameworks, android based applications, PL/SQL

(b) manage infrastructure and systems in Linux/windows using cloud frameworks or on-premise

	<p>setup</p> <p>(c) Resolve bugs in existing software</p> <p>Desirable Qualification and Experience:</p> <p>Experience / Certification in Java/Oracle Database Administration.</p> <p>Mode of Recruitment: Personal Interview.</p>
5	<p>ADMINISTRATIVE OFFICER (C)- [VIGILANCE] – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Graduate from a recognised University/Institute with aggregate of 60% marks with NCC (C) Certificate.</p> <p>(b) Proficiency in use of personal computers and its applications.</p> <p>(c) 5 years’ experience in law/vigilance/ security/accounts in a large and reputed PSU/ Industry/ Research Institution in Level 7 and/or Level 8 or with equivalent TME (total monthly emolument).</p> <p>For Ex-serviceman, Military Service Personnel and CAPF personnel</p> <p>(a) Graduation from recognised University/Institute (Graduation Equivalent Certificate from Ministry of Defence is not sufficient).</p> <p>(b) Knowledge of use of personal computers and its applications.</p> <p>(c) 10 years’ service as Junior Commissioned Officer (JCO) or equivalent in Level 6 and above (JCO or equivalent Officers in Level 6 and above may add experience in security related jobs in other organizations in Level 6 and above or with equivalent TME (total monthly emolument).</p> <p>Mode of Recruitment: Written Test, Skill Test and Interview.</p>
6	<p>SCIENTIFIC OFFICER (B) – ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Full Time Masters degree in Science (from a recognized University/Institute with aggregate of 60% marks) in Computer Science.</p> <p>OR</p> <p>(b) Full Time Degree in Engineering (B.E. / B. Tech) (from a recognized University/Institute with aggregate of 60% marks) in Computer Science.</p> <p>(c) Minimum 2 years’ experience.</p> <p>Desirable Qualification and Experience:</p> <ol style="list-style-type: none"> 1. Experience in installation of Linux, Windows and MacOS, 2. Knowledge of HTML, bash scripting, PHP, Python, Exper 3. Experience in system/network administration 4. Knowledge of networking and security

	<p>5. Knowledge of LaTeX typesetting software 6. Should be open to and capable of acquiring new skills as required 7. Good communication and interpersonal skills</p> <p>Job requirement:</p> <ol style="list-style-type: none"> 1. Installation of hardware and supervision of its maintenance. This includes servers, desktops and mobile devices. 2. System and network administration on Debian/Ubuntu GNU/Linux systems. 3. Web server updating, maintenance, upgradation of software. 4. Providing expertise on selection of appropriate hardware and assisting in its purchase and installation. 5. Installation and maintenance of all appropriate software needed by the faculty on Debian/Ubuntu GNU/Linux, Windows and Mac OS. 6. User queries: assisting members of the School in using hardware and software of GNU/Linux, Windows and Mac OS. 7. Maintenance and operation of equipment for online classes and meetings using Zoom, Microsoft Team, Skype and Google Meet. Handling recordings, both in Zoom and YouTube. 8. Maintenance and operation of all peripheral equipment. 9. Ensuring consumable supply and monitoring. 10. Support for discussion meetings/conferences and other events as needed. 11. Assisting in the publication activity of the School using LaTeX typesetting software. 12. Any other activity related to the above that the Faculty/Dean may assign. <p>Mode of Recruitment: Personal Interview only.</p>
7	<p>ADMINISTRATIVE ASSISTANT (B) – ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <ol style="list-style-type: none"> (a) Graduate from a recognised University /Institute with aggregate of 55% marks. (b) Proficiency in word processing/data base/accounting procedures. (c) 5 years’ experience in Accounts/ Purchase/ Stores/General Admin /Establishment in a large and reputed organization. <p>Desirable Qualification and Experience:</p> <p>Expert knowledge of MS Word, Excel, PowerPoint, and other MS Office applications. The applicant should have knowledge of Government of India Rules related to establishment and service matters, especially recruitment. Excellent written and oral communication skill</p> <p>Mode of Recruitment: Written Test and Skill Tests.</p>
8	<p>ADMINISTRATIVE ASSISTANT (B) – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <ol style="list-style-type: none"> (a) Graduate from a recognised University /Institute with aggregate of 55% marks. (b) Proficiency in word processing/data base/accounting procedures. (c) 5 years’ experience in Accounts/ Purchase/ Stores/General Admin /Establishment in a large and reputed organization.

	<p>Desirable:</p> <ul style="list-style-type: none"> (a) Graduate (full time) in Arts/Commerce/Science preferred (b) Proficient in using personal computers and MS Office applications (c) Excellent written and oral communication skills (d) Experience as Personal Assistant or Secretary (e) Proficiency in taking dictation and drafting letters, emails for official and demi-official correspondence <p>Mode of Recruitment: Written Test and Skill Tests.</p>
9	<p>ADMINISTRATIVE ASSISTANT (B) – ONE POST – RESERVED FOR ECONOMICALLY WEAKER SECTION</p> <p>Qualification & Experience:</p> <ul style="list-style-type: none"> (a) Graduate from a recognised University /Institute with aggregate of 55% marks. (b) Proficiency in word processing/data base/accounting procedures. (c) 5 years' experience in Accounts/ Purchase in a large and reputed organization. <p>Desirable Experience: Knowledge of GFR, Procurement and Work Procedure as per CPWD. Should have experience of Billing and audit of Work contracts.</p> <p>Mode of Recruitment: Written Test and Skill Test.</p>
10	<p>JUNIOR HINDI TRANSLATOR – ONE POST - UNRESERVED</p> <ul style="list-style-type: none"> (a) Master's degree from recognised University/Institute in Hindi with English as a compulsory or elective subject or as the medium of examination at the degree level OR (a) Master's degree from recognised University/Institute in English with Hindi as a compulsory or elective subject or as the medium of examination at the degree level OR (a) Master's degree from recognised University/Institute in any subject other than Hindi or English, with Hindi medium and English as a compulsory or elective subject or as the medium of examination at the degree level OR (a) Master's degree from recognised University/Institute in any subject other than Hindi or English, with English medium and Hindi as a compulsory or elective subject or as the medium of examination at the degree level OR (a) Master's degree from recognised University/Institute in any subject other than Hindi or English, with Hindi and English as compulsory or elective subjects or either of the two as a medium of examination and the other as a compulsory or elective subject at degree level AND (b) Recognized Diploma or Certificate course in translation from Hindi to English & vice versa OR two years' experience of translation work from Hindi to English and vice versa in Central or State Government office, including Government of India undertaking. <p>Desirable Qualification & Experience:</p> <ul style="list-style-type: none"> (a) Knowledge of typing in Hindi. (b) MS-CIT or equivalent course. <p>Job Description:</p> <ul style="list-style-type: none"> (a) Translation / typing work related to scientific and technical literature / annual reports / bilingualism of notices / letters etc. (b) Experience of organizing workshops / Hindi week / Hindi class etc. (c) Administrative Experience. <p>Mode of Recruitment: Written Test and Skill Test.</p>

<p>11</p>	<p>TRADESMAN (B) [MACHINIST] – ONE POST – RESERVED FOR OTHER BACKWARD CLASS</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in Machinist (Miller) trade.</p> <p>(b) Two years’ experience in relevant field.</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in Machinist (Miller) trade.</p> <p>(b) One-year experience in relevant field.</p> <p>Desirable Qualification and Experience:</p> <ul style="list-style-type: none"> • 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 • Candidate should able to read the machine drawings & Proficiency in using CAD software – Auto cad, SolidWorks/NX and CAM software - NX-CAM/Master cam etc. <p>Mode of Recruitment: Written Test and Trade Test.</p> <p>Applicants with over qualification will not be considered</p>
<p>12</p>	<p>TRADESMAN (B) [GLASS BLOWER / FITTER] – ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in trade of Glass Blowing/Fitter.</p> <p>(b) Two years’ experience in relevant field.</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in trade of Glass Blowing/Fitter.</p> <p>(b) One-year experience in relevant field.</p> <p>Desirable Qualification and Experience:</p> <p>Experience: working experience in a medium size workshop engaged in Sheet metal fabrication, machining operation, welding. Also having hands on scientific glass working of Pyrex glass, glass to metal sealed components like sealed and semi sealed laser discharge tubes, hollow cathode lamps, gas discharge tubes, crystal growth cells, fused silica ampoules, thermionic detectors, condensers, glass jackets, tubular glass to metal seals for UHV applications and various other components required in labs</p>

	<p>Desirable Qualification: Trade certificate of not less than one-year duration by the Competent Authority in the trade of Glass Blowing. Candidate having experience & the necessary skills and knowledge in the field of Glass Blowing will be preferred.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p> <p>Applicants with over qualification will not be considered</p>
13	<p>TRADESMAN (B) [TURNER] – ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in turner trade</p> <p>(b) Two years’ experience in relevant field</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in turner trade</p> <p>(b) One-year experience in relevant field.</p> <p>Desirable Qualification and Experience:</p> <ul style="list-style-type: none"> • Good knowledge of precision jobs Turning on conventional as well as CNC Lathe machine in Tool room / mid-size industry & also should have CNC programming knowledge. • Good knowledge of latest manufacturing/machining technologies. • Candidate should be able to read the machine drawings & Proficiency in using CAD software – Auto cad, SolidWorks/NX and CAM software - NX-CAM/Master cam etc. <p>Mode of Recruitment: Written Test and Trade Test.</p> <p>Applicants with over qualification will not be considered</p>
14	<p>TRADESMAN (B) [TURNER] – ONE POST – RESERVED FOR SCHEDULED TRIBE</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in turner trade</p> <p>(b) Two years’ experience in relevant field</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in turner trade</p> <p>(b) One-year experience in relevant field.</p>

	<p>Desirable Qualification and Experience:</p> <ul style="list-style-type: none"> • Good knowledge of precision jobs Turning on conventional as well as CNC Lathe machine in Tool room / mid-size industry & also should have CNC programming knowledge. • Good knowledge of latest manufacturing/machining technologies. • Candidate should be able to read the machine drawings & Proficiency in using CAD software – Auto cad, SolidWorks/NX and CAM software - NX-CAM/Master cam etc. <p>Mode of Recruitment: Written Test and Trade Test.</p> <p>Applicants with over qualification will not be considered</p>
15	<p>TRADESMAN (B) [ELECTRICIAN] – ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade</p> <p>(b) Two years’ experience in relevant field</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade</p> <p>(b) One-year experience in relevant field.</p> <p>Installation, testing, commissioning, operation and maintenance of LT/HT electrical equipment and wiring installations including street lighting etc., troubleshooting and fixing electrical problems in single/ three phase supply system having various colour codes and its proper identification.</p> <p>Job Description: Candidate should be conversant with maintenance of electrical installations, laying cabling for new power points, operation of electrical switchgears in the sub-station, maintenance of electrical motors etc.</p> <p>Selected candidate will have to work in round-the-clock shifts duties, if required.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
16	<p>TRADESMAN (B) [ELECTRICIAN] – ONE POST – SCHEDULED TRIBE</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade</p> <p>(b) Two years’ experience in relevant field</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade.</p>

	<p>(b) One-year experience in relevant field.</p> <p>Installation, testing, commissioning, operation and maintenance of LT/HT electrical equipment and wiring installations including street lighting etc., troubleshooting and fixing electrical problems in single/ three phase supply system having various colour codes and its proper identification.</p> <p>Job Description: Candidate should be conversant with maintenance of electrical installations, laying cabling for new power points, operation of electrical switchgears in the sub-station, maintenance of electrical motors etc.</p> <p>Selected candidate will have to work in round-the-clock shifts duties, if required.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
17	<p>TRADESMAN (B) [ELECTRICIAN] – ONE POST – RESERVED FOR ECONOMICALLY WEAKER SECTION.</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade</p> <p>(b) Two years’ experience.</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in electrical trade.</p> <p>(b) One-year experience in relevant field.</p> <p>Installation, testing, commissioning, operation and maintenance of LT/HT electrical equipment and wiring installations including street lighting etc., troubleshooting and fixing electrical problems in single/ three phase supply system having various colour codes and its proper identification.</p> <p>Job Description: Candidate should be conversant with maintenance of electrical installations, laying cabling for new power points, operation of electrical switchgears in the sub-station, maintenance of electrical motors etc.</p> <p>Selected candidate will have to work in round-the-clock shifts duties, if required.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
18	<p>TRADESMAN (B) [CENTRAL AIR CONDITIONING PLANT MECHANIC] - ONE POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in Air conditioning and Refrigeration trade.</p> <p>(b) Two years’ experience in relevant field.</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by</p>

	<p>National Council of Vocational Training (NCVT) in Air conditioning and Refrigeration trade.</p> <p>(b) One year experience in relevant field.</p> <p>Candidate should have experience in the operation and maintenance of Central Chilling Plant including accessories (pumps, cooling towers, Air Handling units, Fan Coil Units, valves. Etc.), refrigeration units like window & split Acs, water cooler, deep freezer, cold storage units, etc.</p> <p>Job Description: Operation & Maintenance of Central/Packaged air-conditioning plants comprising of centrifugal/reciprocating type of compressors & repairs of refrigeration equipment such as deep freezers, industrial make coolers, walk-in coolers, room air-conditioners etc. including latest generation Air-conditioning system like VRF.</p> <p>Selected candidate will have to work in the round-the-clock shift duties, if required.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
<p>19</p>	<p>TRADESMAN (B) [CENTRAL AIR CONDITIONING PLANT MECHANIC] – ONE POST – RESERVED FOR OTHER BACKWARD CLASS</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in Air conditioning and Refrigeration trade.</p> <p>(b) Two years’ experience relevant field.</p> <p>OR</p> <p>(b) (a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in Air conditioning and Refrigeration trade.</p> <p>(b) One year experience in relevant field.</p> <p>Candidate should have experience in the operation and maintenance of Central Chilling Plant including accessories (pumps, cooling towers, Air Handling units, Fan Coil Units, valves. Etc.), Package air conditioning plant including VRF system</p> <p>Job Description: Operation & Maintenance of Central/Packaged air-conditioning plants comprising of centrifugal/reciprocating type of compressors & repairs of refrigeration equipment such as deep freezers, industrial make coolers, walk-in coolers, room air-conditioners etc. including latest generation Air-conditioning system like VRF.</p> <p>Selected candidate will have to work in the round-the-clock shift duties, if required.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
<p>20</p>	<p>TRADESMAN (B) [CARPENTER] – ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) National Trade Certificate (NTC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in CARPENTER trade/discipline.</p>

	<p>(b) Two years' experience relevant field.</p> <p>OR</p> <p>(a) National Apprenticeship Certificate (NAC) (with aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in CARPENTER trade/discipline.</p> <p>(b) One year experience relevant field.</p> <p>Experience in aluminium fabrication works, office and laboratory furniture work and finishes etc. would be preferred. The candidate should have adequate knowledge of advance carpentry and furnishing materials.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
21	<p>CLERK (A) – ONE POST- UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Graduate from a recognised University/Institute with aggregate of 50% marks.</p> <p>(b) Knowledge of typing.</p> <p>(c) Knowledge of use of personal computers and applications – supported by certificates from the government recognized institutions.</p> <p>(d) Minimum 1 year experience in clerical duties and correspondence in large and reputed organization.</p> <p>Desirable: Candidate should have experience in Establishment / Accounts / General Administration / Purchase / Stores works. Expert knowledge of MS Word, Excel, PowerPoint, and other MS Office applications. Possess basic knowledge of Government rules and regulations related to Establishment and service matters. Drafting skills in English are highly preferable.</p> <p>Mode of Recruitment: Written Test and Skill Test.</p>
22	<p>CLERK (A) – ONE POST-RESERVED FOR PERSONS WITH BENCHMARK DISABILITIES</p> <p>Qualification & Experience:</p> <p>(a) Graduate from a recognised University/Institute with aggregate of 50% marks.</p> <p>(b) Knowledge of typing.</p> <p>(c) Knowledge of use of personal computers and applications – supported by certificates from the government recognized institutions.</p> <p>(d) Minimum 1 year experience in clerical duties and correspondence in large and reputed organization.</p> <p>Desirable: Candidate should have experience in Establishment / Accounts / General Administration / Purchase / Stores works. Expert knowledge of MS Word, Excel, PowerPoint, and other MS Office</p>

	<p>applications. Possess basic knowledge of Government rules and regulations related to Establishment and service matters. Drafting skills in English are highly preferable.</p> <p>Mode of Recruitment: Written Test and Skill Test.</p>
23	<p>COOK (B)-ONE POST – UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) S.S C. OR Equivalent (Central/State Board Examinations). (b) Minimum 3 years' experience in the relevant field. (c) Certificate Course in cooking from a recognised Institute (minimum six months course)</p> <p>Desirable Qualification:</p> <p>Graduate in any field with Craft course in Food Production and Patisserie of at-least one year from a reputed Catering College.</p> <p>Desirable Experience: Three years work experience in a reputed 5 Star Hotel as a Cook/Commis.</p> <p>Mode of Recruitment: Written Test and Trade Test.</p>
24	<p>WORK ASSISTANT- TECHNICAL [CARPENTER]– ONE POST- UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) Passed S.S.C. OR Equivalent from a recognized Board.</p> <p>OR</p> <p>(a) National Trade Certificate (NTC) awarded by National Council of vocational Training (NCVT) in CARPENTER trade.</p> <p>(b) One-year experience in relevant field.</p> <p>Desirable Qualification and Experience:</p> <ul style="list-style-type: none"> • 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. • Candidate should be able to read the machine drawings / blue prints. <p>Mode of Recruitment: Written Test and Trade Test.</p> <p>Applicants with over qualification will not be considered.</p>
25	<p>WORK ASSISTANT- (AUXILIARY) – TWO POST - UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) S.S.C. OR Equivalent (Central/State Board Examinations). (b) Minimum One-year experience in a reputed Canteen / Catering establishment.</p>

	<p>Mode of Recruitment: Written Test and Trade/Skill Test.</p>
26	<p>WORK ASSISTANT- (AUXILIARY) – TWO POST - RESERVED FOR ECONOMICALLY WEAKER SECTION</p> <p>Qualification & Experience:</p> <p>(a) S.S.C. OR Equivalent (Central/State Board Examinations).</p> <p>(b) Minimum One-year experience in a reputed Canteen / Catering establishment.</p> <p>Mode of Recruitment: Written Test and Trade/Skill Test.</p>
27	<p>WORK ASSISTANT- (AUXILIARY) – ONE POST- RESERVED FOR OTHER BACKWARD CLASS</p> <p>Qualification & Experience:</p> <p>(a) S.S.C. OR Equivalent (Central/State Board Examinations).</p> <p>(b) Minimum One-year experience in a reputed Canteen / Catering establishment.</p> <p>Mode of Recruitment: Written Test and Trade/Skill Test.</p>
28	<p>SECURITY GUARD – ONE POST- UNRESERVED</p> <p>Qualification & Experience:</p> <p>(a) S.S.C OR Equivalent (Central/State Board Examinations).</p> <p>(b) Minimum three years’ experience in Defence/ CAPF/Security work in a reputed organization.</p> <p>(c) Firefighting Training Certificate/ NCC certificate/ Civil Defence training/Home guard (This clause is not applicable to candidates from Defence /CAPF).</p> <p>(d) Knowledge of use of personal computers and applications</p> <p><u>Physical Fitness</u></p> <p>(a) Male</p> <p>- Height not less than 165cms;</p> <p>- Chest 80-85 cms</p> <p>- Weight: corresponding to height and age as per medical standard.</p> <p>- Eye sight: The minimum vision should be 6/6 and naked eye vision for both eyes should be 6/9, and colour recognition.</p> <p>(b) Female</p> <p>- Height not less than 157 cms; Chest [Not applicable]</p> <p>- Weight: corresponding to height and age as per medical standard.</p>

- Eye sight: The minimum vision should be 6/6 and naked eye vision for both eyes should be 6/9, and colour recognition.

Physical Efficiency Test

(a) Running Fitness for male candidates : 100 meters in 16 seconds and 1.6 km in 6.30 minutes for running tests conducted on smooth and straight running tracks. The time will be extended to 8.00 minutes for 1.6 km running test conducted in TIFR Colony.

-Running fitness for Ex-Servicemen, Military Service Personnel, CAPF and internal candidates above 35 years, Females :100 meters in 18 secs and 1.6 km in 8.30 minutes for running tests conducted on smooth and straight running tracks. The time will be extended to 10.00 minutes for 1.6 km running test conducted in TIFR Colony.

(b) Shot put (except females) (7.26 kgs) 4.5 mts

(c) Chin ups except females :

Upto 30 years : 08-09 numbers

30-40 years : 05-06 numbers

(d) Push ups except females :

40-45 years : 16-17 numbers

Above 45 years: 12-13 numbers

(e) Sit ups except females :

Up to 30 years : 25 – 29 numbers

30-40 years : 20-24 numbers

40-45 years : 15-19 numbers

Above 45 years : 10-14 numbers

Note: Ex-servicemen, Military Service personnel and CAPF personnel with 3 years' experience will be considered for the Pay Level 2. Ex-servicemen, Military Service personnel and CAPF personnel with 10 years' experience or more can be considered for higher Pay Level 3.

(Relaxation in Physical Fitness to members of some communities as per extant GOI rules).

Mode of Recruitment: Physical Efficiency Test and Written Test.

29 TEMPORARY WORK ASSISTANT – ONE POST – UNRESERVED

Qualification: S.S.C. OR Equivalent (Central / State Board examinations).

Experience: Minimum one year experience.

Desirable: Knowledge of photocopying and basic library science skills preferred.

Job Requirements: Job responsibilities include processing, shelving and shifting of books/journal

volumes, photocopying of journal articles etc., 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 Selection : Written Test and Skill Test.

30 LIBRARY TRAINEE – TWO 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 Library Science and are awaiting results can also apply.)

Mode of Selection : Written Test and Skill Test.

General Information :

1. All the above posts are tenable at TIFR, Colaba, Mumbai.
2. Selected candidates for all above posts are liable to be transferred to other Centres/Field Stations of the Institute, if required.
3. Higher starting salary could be considered for deserving candidates for all above posts except posts at sr. no.29 & 30.
4. Appointment for the above posts at Sr. Nos. 1 to 4, will be initially for a period of three years, including 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 above posts will be required to work on Saturday/Sundays and holidays, as per the exigencies of the Institute.
6. Selected candidate for the post at sr.no.11, 12, 13, 14, 24, 25, 26 and 27 will be required to work in shift duties.
7. Selected candidate for the post at sr.no.15, 16, 17, 18, 19, 20 & 28 will be required to work in round-the-clock shift duties.
8. Selected candidate for the post at sr.no.29 and 30 will be required to work in shifts between 0745 hrs to 2200 hrs.
9. The tenure of the selected candidate for the post at sr. no.29 is for a period of Six months initially, which can be renewed for another six months as a very special case.
10. The tenure of the selected candidates for the posts at sr.no.30 is limited to one year and they would not have any claim for any permanent or temporary appointment in the Institute either during or after the training period. The scheme is purely a facility for on-job training provided to individuals.
11. Prescribed age should not exceed as on **January 01, 2024** for the above posts. Age relaxation as per rules.
12. Selected candidates for all posts except posts at sr.no. 29 & 30 will be governed by the National

Pension System applicable to the Central Government service [unless already governed by CCS (Pension) Rules 1972].

13. Post/s for general category (Unreserved) – SC/ST/OBC/EWS/PwBD candidates can also apply. Post no. 28 is not identified suitable for PwBD. Candidates applying for EWS reserved posts should not be covered under the scheme of reservation for SCs, STs and OBCs.
14. **Applications from the candidates will be accepted ONLY ON-LINE except for the following: -**
- i. 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, alongwith a copy of relevant certificate in support of age relaxation (**for example ex-servicemen, persons with benchmark disabilities etc.**). [SC, ST, OBC and EWS candidates applying for unreserved posts are not eligible for age relaxation and should apply online].
 - ii. Applicants 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 able to participate in the recruitment process only upon submission of a NOC from the competent authority. However, an advance copy of application alongwith relevant enclosures may be submitted by post. Such applicants are not required to apply online.
15. Incomplete applications (online) and off-line applications without photocopy of certificate in support of age relaxation and applications received after the last date shall not be considered.
16. **On-Line applications must be submitted by March 23, 2024 and applications by post must reach Administrative Officer (D), Recruitment Cell, Tata Institute of Fundamental Research, 1, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400005 by March 23, 2024.** Applicants who are required to send the applications by post must superscribe 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.
17. The candidates are required to produce 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. Conduct certificates from two respectable persons.
 - g. SC/ST/OBC/EWS & PwBD certificate (wherever applicable) in the Government of India format.
 - h. OBC candidates should submit a valid copy of the Non Creamy Layer certificate issued by competent authority in the Govt. of India (GOI) 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 date of application. Acknowledgement receipt of submission of application for OBC-Non Creamy Layer certificate for current financial year will also be accepted (If selected, the candidate has to submit OBC Non-Creamy Layer certificate for the current financial year).

- i. EWS candidates should submit a valid copy of EWS certificate issued by competent authority in the Govt. of India (GOI) format. The EWS 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 date of application. Acknowledgement receipt of submission of application for EWS certificate for current financial year will also be accepted (If selected, the candidate has to submit EWS certificate for the current financial year).
 - j. Candidates applying for the post reserved for Persons with Benchmark Disability should be 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 relaxations as per extant GoI rules.
18. A) Outstation candidates called for recruitment process for the posts at sr.no.1 to 5 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.6 to 10 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.
- (C) Outstation candidates called for recruitment process for the post at 14 & 16 will be paid single second class return train fare for the journey by the shortest route from the nearest railway station of their place of residence to the nearest railway station of the place of interview on the production of photocopies of onward and return journey tickets. However, these candidates will have to bear the fare for the first 30 kms. both ways.
- "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".
19. The Institute reserve the right to relax eligibility criteria in case of deserving candidates.
20. 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. 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.
21. 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.

22. The Institute reserves the right to conduct written tests, skill tests, interviews etc. online/in-person.