

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. 2023/1

Applications are invited for the following posts tenable at Mumbai.

Sr. No.	Name Of The Post	Reservations						Age Max.	Consolidated Pay (includes HRA) Rs.
		UR	SC	ST	OBC	PwBD	EWS		
1	Project Engineer (C) [Civil] – One Post	1	0	0	0	0	0	28	89,900/-
2	Project Scientific Officer (C) – One Post	1	0	0	0	0	0	28	89,900/-
3	Project Scientific Officer (C) – Two Posts	2	0	0	0	0	0	28	89,900/-
4	Project Junior Engineer (B) [Electrical] – One Post	1	0	0	0	0	0	28	55,600/-

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

1	<p><u>PROJECT ENGINEER (C) [CIVIL] – ONE POST (UNRESERVED)</u></p> <p><u>Qualification & Experience:</u></p> <p>a) Full Time Degree in Engineering (B.E/B.Tech with aggregate of 60% marks) from a recognized university/institute in Civil Engineering.</p> <p>b) Minimum 3 years' experience as per the following job requirements.</p> <p><u>Job Requirement:</u></p> <p>Cost estimation, tender evaluation, quality control, preparation of rate analysis for extra/deviated items, recording measurement of works in Measurement Books(MB), Certification of contractors running/final Bills, maintaining record of test reports, coordinating for civil and allied works required for electrical, HYAC and firefighting at site, supervising outsourced annual maintenance contracts for various bulk services i.e., plumbing, horticulture and landscaping works, water treatment plant, sewage treatment plant, and carpentry works.</p>
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	<p><u>Desirable:</u></p> <ol style="list-style-type: none"> Good knowledge of CPWD work procedures and building codes. Experience of supervision of construction of at least one single building from foundation level to superstructure Knowledge of quality control, rate analysis, cost estimation, recording measurements in measurement Books, certification of contractors bills, etc. Knowledge of AutoCAD and use of personal computers and its applications. <p><u>Mode of recruitment: Interview only</u></p>
2	<p><u>PROJECT SCIENTIFIC OFFICER (C) – ONE POST (UNRESERVED)</u></p> <p><u>Essential Qualification & Experience:</u></p> <p>Full Time Master’s Degree in Physics (with aggregate of 60% marks) from a recognised university/ institute in Electronics specialization.</p> <p>OR</p> <p>Full Time Degree in Engineering (B.E./B.Tech. with aggregate of 60% marks) from a recognised university/ institute in Electronics/ Electronics and (Tele) Communications/ Electronics and Electrical Engineering.</p> <p><u>Essential Skills:</u></p> <ol style="list-style-type: none"> Good knowledge of hardware description languages such as VHDL, Verilog etc. as well as of FPGA programming. Expertise in soft- and micro-processors, micro controllers needed for instrumentation. Skills for signal processing, control engineering and telecommunications engineering. <p><u>Desirable Skills:</u></p> <ol style="list-style-type: none"> Good knowledge of electronics, Xilinx Vivado tools and Tcl scripting language Familiarity with silicon-based device and detectors. Proficiency in programming languages, like C, C++, Python Good communication skill and an ability to function in the team environment. <p><u>Job Description:</u></p> <p>The person is expected to play a key role in setting up the data acquisition system for the ongoing experiments, as well as for future R&D activities involving advanced detector systems. The person will be involved in all stages of an experimental long term project: concept, design, development, tests and fabrication of components, devices, systems, equipments using various electronics components. This individual will assist faculty members and research students to carry out fundamental research in basic sciences, mainly through international collaborations.</p> <p><u>Mode of recruitment: Interview only</u></p>
3	<p><u>PROJECT SCIENTIFIC OFFICER (C) – TWO POSTS (UNRESERVED)</u></p> <p><u>Qualification & Experience:</u></p> <p>(a) Full time Degree in Engineering (BE/B.Tech with aggregate of 60% marks) from a recognized university/institute in Computer Science / Information Technology.</p>

(b) **Experience:** Minimum one-year experience in relevant field.

Desirable:

Experience / Certification in Java and Oracle

Job Requirement:

The candidate should have

- (a) a clear understanding of web application development concepts using JSP/ Servlets/ Angular/ Spring/ Hibernate
- (b) Have good programming skills in Java and PL/SQL
- (c) Have clear concepts of DBMS and SQL
- (d) be active and open to acquiring new skills
- (e) 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) resolve bugs in existing software

Mode of recruitment: Interview only

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PROJECT JUNIOR ENGINEER (B) [ELECTRICAL] – ONE POST (UNRESERVED)

Qualification and Experience:

- (a) Full Time Diploma in Electrical Engineering (from a recognized University/Institute with aggregate of 60% marks).
- (b) Knowledge of use of personal computers and its applications.
- (c) Minimum 2 years' experience in supervision of Electrical Maintenance work in a reputed organization.

Job requirement:

Supervision of Electrical maintenance work such as 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.

Desirable Qualification & Experience:

Knowledge in government tender process, estimation & tender preparation. Knowledge of ACAD for preparation of electrical drawing is desirable.

Mode of recruitment: Interview only

General Information:

1. All the above posts are tenable at TIFR, Colaba, Mumbai.
2. The appointment for all the above posts are temporary and may be renewed each year up to a total period of 3 years depending upon performance.

3. Selected candidates for all the above posts will be required to work on Saturday/Sundays and holidays, as per the exigencies of the Institute.
4. Prescribed age should not exceed as on **January 01, 2023** for the above posts.
5. Post/s for general category (Unreserved) – SC/ST/OBC/EWS/PwBD candidates can also apply.
6. **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 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 an 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.
7. 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.
8. **On-Line applications must be submitted by April 22, 2023 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 April 22, 2023.** 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.
9. 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.
10. Outstation candidates called for recruitment process for the posts at Sr. Nos. 1 to 3 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.

Outstation candidates called for recruitment process for the posts at Sr. No. 4 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".

11. 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.
12. 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.
13. The Institute reserves the right to conduct written tests, skill tests, interviews etc. online/in-person.

