



टाटा मूलभूत अनुसंधान संस्थान TATA INSTITUTE OF FUNDAMENTAL RESEARCH

भारत सरकार का नाभिकीय विज्ञान एवं गणित का राष्ट्रीय केंद्र एवं समविश्वविद्यालय

National Centre of the Government of India for Nuclear Science & Mathematics and a Deemed University

1, होमी भाभा रोड, कुलाबा, मुंबई – 400005

1, Homi Bhabha Road, Colaba, Mumbai 400 005

दूरभाष / Telephone : 022-22782000

वेबसाइट /Website:www.tifr.res.in

फैक्स / Fax : 022-22804610/11

Advertisement No. 2019/4

Applications are invited for the following post tenable at Mumbai:

| Sr. No. | Name of the Post | Reservations | | | | | Age Below | Monthly Consolidated Pay |
|---------|--------------------------------|--------------|----|----|------|-----|-----------|--|
| | | UR | SC | ST | PwBD | OBC | | |
| 1 | PROJECT SCIENTIFIC OFFICER (C) | 1 | - | - | - | - | 28 | Rs.71000/- (including HRA Rs.12100/-) |

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

Sr. No. 1 : **PROJECT SCIENTIFIC OFFICER (C) [UNRESERVED]** :

Qualification: B.E./B.Tech. in Electronics/Electronics and (Tele) Communications, Electronics and Electrical Engineering, or M.Sc. with Electronics specialization with minimum 60% marks.

Essential Skills :

1. Good knowledge of hardware, specially FPGA; proficiency in description languages such as VHDL, Verilog etc. as well as of FPGA firmware programming
2. 1year experience in FPGA/microcontroller based work.
3. Expertise in soft processors needed for instrumentation.
4. Skills for signal processing, control engineering and telecommunications engineering.

Desirable Skills:

1. Good knowledge of electronics and strong abilities to analyse for improved designs.
2. Familiarity with silicon-based device and detectors.
3. Good understanding of computing
4. Good communication skill and an ability to function in the team environment.

Job Description:

The person is expected to play a key role in setting up the data acquisition system, including trigger design for the ongoing and future R&D activities in high energy/ nuclear physics 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.

Selected candidate will be required to work occasionally beyond usual office hours.

General Information :

Selected Candidate is liable to be transferred to other Centers/Field Stations/Departments of the Institute, if required.

The appointment for the above post is temporary and may be renewed each year up to a total period of 3 years depending upon performance.

Prescribed age should not exceed as on **January 1, 2019** for the above post.

SC/ST/OBC/PwBD candidates can also apply for General [Unreserved] Post/s.

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

Candidates applying for above post and who are eligible for **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 and OBC candidates applying for unreserved post/s are not eligible for age relaxation and should apply online].

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

Applicants in Government/Semi-Government/Public Sector Undertaking may 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 along with relevant enclosures may be submitted by post. Such applicants are not required to apply online.

- i. **On-Line applications must be submitted by April 13, 2019 and applications by post (in respect of candidates seeking age relaxation) must reach Head, Establishment, Tata Institute of Fundamental Research, 1 Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400 005 by April 13, 2019.** 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 a copy at the time of Recruitment Process :**
 - a. **Printout of online application form.**
 - b. **Identity Proof (Adhar Card / Election Card / PAN Card / Passport / Driving License).**
 - c. **Date of birth/Proof of age.**
 - d. **Educational Qualification (all mark sheets and certificates).**
 - e. **Experience certificate/s.**
 - f. **Conduct certificates from two respectable persons.**
- iii. Outstation candidates called for the recruitment process for the above post will be paid single First Class (not air-conditioned) / III Tier A/C 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.
- iv. 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.
