



TATA INSTITUTE OF FUNDAMENTAL RESEARCH
National Centre of the Government of India for Nuclear Science & Mathematics
& a Deemed University
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Advertisement No. 2020/7

Applications are invited for the following posts for the "India-Based Neutrino Observatory (INO)" Project. The selected candidates are expected to work at any of the INO laboratories or project sites located in Madurai, Pottipuram (near Theni) or at any other INO collaborating Institutes or their experimental sites. Their headquarter of work will be INO's Inter-Institutional Centre for High Energy physics (IICHEP), Madurai.

Sr. No.	Name of the Post	Reservations						Age Below	Consolidated Pay (includes HRA) Rs.	HRA Rs.
		UR	SC	ST	OBC	PwBD	EWS			
1	Project Scientific Officer (C) [Electronics]	1	-	-	-	-	-	28	75500	12100
2	Project Scientific Officer (B) [Detector]	2	-	-	-	-	-	28	61500	10200
3	Project Scientific Assistant (B) [Civil]	1	-	-	-	-	-	28	46500	7600
4	Project Laboratory Assistant (B) [Electronics wiring & assembly]	1	-	-	-	-	-	28	30800	5400

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

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

Qualification : Full Time Degree in Engineering [B.E. / B.Tech. in Electronics / Electronics and (Tele) Communications] from a recognized University/Institute with aggregate of minimum 60% marks.

Experience: Minimum 1— 2 years experience in designing and debugging of high speed analog, digital and VLSI circuits.

Desirable: Knowledge on electronics and data acquisition systems for experiments using particle detectors.

Job Requirement: The selected candidates are expected to study, design and debug low noise analog circuits as well as high speed digital and VLSI systems using CPLDs and FPGAs. Experience in hardware description languages, programming soft processors and high-speed data links will be essential requirements.

Cont... 2

Sr. No. 2 : PROJECT SCIENTIFIC OFFICER (B) [Detector] [UNRESERVED] 2 Posts :

Qualification: Full Time Masters degree in Science (M.Sc. in Physics) from a recognized University/Institute with aggregate of minimum 60% marks.

Desirable: Thorough knowledge in nuclear physics, high energy physics and particle detectors.

Job Requirement: The selected candidates are expected to develop and characterise modern particle detectors. They will take supervisory roles in fabricating and quality control, installation of large number of detectors. Analysis of experimental data using ROOT or PyRoot and other packages, proficiency in C++ programming language, detector simulation and physics analysis will be other responsibilities.

Sr. No. 3 : PROJECT SCIENTIFIC ASSISTANT (B) [Civil] [UNRESERVED] 1 Post :

Qualification: Full Time Diploma in Civil Engineering or equivalent from a recognized University/Institute with aggregate of minimum 60% marks. Knowledge of use of personal computers and its applications.

Experience: 0-2 years' experience in project execution work in the field of civil structures and related services. Should be well conversant with quality control methods, planning and quantity survey. Experience in Tunnelling and computer use will be added advantage.

Job Requirement: The selected candidate is expected to assist the civil engineers in preparation of design drawings, preparation of specifications and tender documents etc., besides field supervision and reporting on various civil jobs.

Sr. No. 4 : PROJECT LABORATORY ASSISTANT (B) [Electronics Wiring & Assembly] [UNRESERVED]

1 Post :

Qualification: (a) Full Time H.S.C. with 60%, and two-years' experience in Laboratory.

OR

(b) National Trade Certificate (NTC) (aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in relevant field and two years' experience in relevant field.

OR

(c) National Apprenticeship Certificate (NAC) (aggregate of 60% marks) awarded by National Council of Vocational Training (NCVT) in relevant field and one-year experience in relevant field.

Desirable: : Experience in electronics boards wiring and assembly.

Job Requirement: The selected candidate is expected to mainly work on the electronics board wiring and assembly jobs as well as making of various types of cables and other jobs in the electronics and detector labs. Experience in working with Surface Mount components and repair of power supplies and small electronics circuits will be also desirable.

General Information :

1. The Selected Candidates are expected to work at any of the India-Based Neutrino Observatory (INO) collaborating Institutes in India or at their experimental sites.
2. Selected candidates for the above posts will be required to work in shifts and on Saturdays/Sundays and holidays, as per the exigencies of the Institute.
3. 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.
4. Prescribed age should not exceed as on **July 1, 2020** for the above posts.
5. Post/s for general category (Unreserved) - SC/ST/OBC/PwBD/EWS candidates can also apply.
6. **Applications from the candidates will be accepted ONLY ONLINE 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 and OBC candidates applying for unreserved post/s 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 offline 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 December 25 2020 and applications by post must reach Head, Establishment, Tata Institute of Fundamental Research, 1, Homi Bhabha Road, Navy Nagar, Colaba, Mumbai 400 005 by December 25 2020.** 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 a copies at the time of recruitment process :**
 - 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. SC/ST/OBC/EWS & PwBD certificate (wherever applicable) in the Government of India format.
10. Outstation candidates called for the recruitment process for the post at Sr. No. 1, will be paid single First Class (not air-conditioned) / III Tier A/C return train fare and at Sr. No. 2 & 3 will be paid single Second Class, (not 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 travel only by the national carrier, AIR INDIA with the tickets purchased only from Air India website or Air India booking counter. 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 post/s herein advertised. Canvassing in any form shall disqualify the candidate.
12. Before applying for the post, the candidate should ensure that he/she fulfills 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.
