

# TATA INSTITUTE OF FUNDAMENTAL RESEARCH

*National Centre of the Government of India for Nuclear Science & Mathematics*

Homi Bhabha Road, Colaba, Mumbai 400 005

## **Advertisement No. 4/2013**

Applications are invited for the following posts tenable at Mumbai & Madurai, Tamil Nadu :

1. **SCIENTIFIC OFFICER (D)** : One Post ; Pay Band (PB-3) : Rs.15600-39100 + Grade Pay : Rs.6600/- ; TME : Rs.58,995/- ; HQ : Mumbai.

**Qualification** : Ph.D. in Accelerator Physics **OR** Experimental Nuclear Physics.

**Experience** : Minimum 2 years experience in relevant areas.

**Job Requirement** :

1. The candidate should have strong instrumentation background and good knowledge of accelerators as well as good command of software development for acquisition and control systems.
2. The candidate is expected to play an important role in accelerator operations and R&D for improvements to the facility.
3. The candidate is expected to interface with users (mainly scientists) and assist them in solving beam related problems during experiments.
4. The candidate should submit a brief write up highlighting his/her expertise in instrumentation related to accelerator, detector and data acquisition.
5. A list of publication in referred journals should also be attached with the application.

**Age** : Below 35 years. In the case of a candidate with exceptionally good knowledge and experience related to the job requirement, the age limit may be relaxed up to 40 years.

2. **ENGINEER (C) [CIVIL]** : One Post [Other Backward Class] ; Pay Band (PB-3) : Rs.15600-39100 + Grade Pay : Rs.5400/- ; TME : Rs. 49,860/- ; HQ : Mumbai.

**Qualification** : B.E./B.Tech. in Civil Engineering [full time course] from a recognized university/institute with minimum 60% marks is essential. Familiarity with computers and knowledge of software and applications relevant to developing bill of quantities, cost estimates, tender specifications etc. is desirable.

**Experience** : One years' post qualification experience in site supervision/planning is essential. Familiarity with standard schedules of rates, analyses of rates, relevant specifications and quality control measures is desirable. Exposure to computers applications relevant to drafting, structural design and quantity estimation will be an added advantage.

**Age** : Below 31 years.

3. **ADMINISTRATIVE OFFICER (C)** : One Post [Unreserved] ; Pay Band (PB-3) : Rs.15600-39100 + Grade Pay : Rs.5400/- ; TME : Rs. 49,860/- ; HQ : Mumbai.

**Qualification** : i) Graduate with minimum 60% marks. (ii) Diploma in Management. (iii) Knowledge of use of personal computers and applications.

**Experience** : i) Minimum 5 years service in Grade Pay Rs. 4200/4600/4800 level or equivalent grade.

**Desirable** : i) Post Graduate/Masters in Management. (ii) Experience in supervisory cadre in Personnel, Establishment, General Administration, Purchase etc. in a Govt./Public Sector or an Autonomous organization. (iii) 8 – 10 years experience in Human Relations, General Administration, Purchase etc. in a reputed and large private organization.

**Age** : Below 40 years.

4. **PROJECT SCIENTIFIC OFFICER (B)** : Two Posts [Unreserved] ; Appointment is temporary and will be renewed each year up to a total period of three years ; Consolidated Pay : Rs.34,000/- p.m. (including HRA of Rs.4,900/- and all other allowances).

**Qualification**: M.Sc. in Physics with minimum 60% marks. **OR** B.E./B.Tech. in Electronics, Instrumentation or equivalent with minimum 60% marks.

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

**Job Requirement**: The selected candidates if :

i) **M.Sc.** are expected to develop and characterise modern particle detectors. Analysis of experimental data using ROOT and other packages, proficiency in C++ programming language, detector simulation and physics analysis will be other responsibilities.

ii) **B.E./B.Tech.** are expected to study, design and debug low noise analog circuits, high speed digital and VLSI systems. Experience in hardware description languages, designing using CPLD and FPGAs will be essential requirements.

**Age**: Below 28 years.

5. **PROJECT SCIENTIFIC ASSISTANT [B]** : One Post [Unreserved] ; Appointment is temporary and will be renewed each year up to a total period of three years ; Consolidated Pay : Rs.26,000/- p.m. (including HRA of Rs.3,600/- and all other allowances).

**Qualification** : i) SSC/HSC from recognized Board. (ii) Two years ITI (National Trade Certificate) in the trade of Draftsman (Civil) with minimum 60% marks.

**Experience** : Minimum five years of working experience in architects office. Candidates without having experience in the preparation of architectural drawings need not apply.

**Job Requirement** : He/She should be well versed for the preparation of architectural drawings and detailing as per the guidance of other architects. The candidate must be well versed with latest version of AUTOCAD software knowledge. He/She should be able to use 3D Studio-Max for the preparation of 3D Modeling.

**Age** : Below 28 years.

TME : Total Monthly Emoluments.

Higher starting salary could be considered for deserving candidates at sr.nos. 1, 2 & 3. Candidates at sr.nos. 1, 2 & 3 are liable to be transferred to other Centres/Field Stations of the Institute, if required.

**General Information :**

1. Appointment for the posts at sr.nos. 1 & 2 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.
2. The posts at sr.nos. 4 & 5 are for "India-Based Neutrino Observatory (INO)" Project. The selected candidates for the post at sr.no. 4 will be required to work at Madurai, Tamilnadu. The selected candidate for the post at sr.no. 5 will be initially posted at BARC, Mumbai, but will be subsequently required to work at Madurai, Tamilnadu.

Prescribed age should not exceed as on **January 1, 2013**.

Selected candidates for the posts at sr.nos. 1, 2 & 3 will be governed by the New Pension Scheme applicable to the Central Government service [unless they are already governed by CCS (Pension) Rules 1972].

Post for general category (unreserved) – SC/ST/OBC/PWD candidates can also apply.

Applications giving full details together with copies of relevant certificates/testimonials in the following format and superscribing the post applied for & Serial Number of the post on the envelope should reach Head Establishment **within 15 days from the date of publication of this advertisement.**

**Application format** : (1) Advertisement Number. (2) Name & Serial Number of the post. (3) Name of the applicant. (4) (a) Date of birth (attach photocopy of certificate). (b) Age as on **January 1, 2013**. (5) Nationality. (6) Whether belonging to SC/ST/OBC (attach photocopy of certificate). (7) Disability (attach photocopy of certificate). (8) Permanent address. (9) Address for correspondence. (10) Telephone numbers for contact. (a) Landline (b) Mobile. (11) Email address. (12) Qualifications (attach photocopies of **certificates and mark lists**). (13) Experience with details of organization, post held, scale of pay, basic pay (attach photocopies of certificates). (14) Names & addresses of two referees (attach certificates). (15) Have you at any time been called for interview in the Institute? If so, give details. (16) Signature of the candidate. **Submission of photocopies of all the certificates/mark sheets stated in the application are essential.**

Incomplete applications and applications without photocopies of certificates and applications received after the last date shall not be considered. Applicants in Government/Semi-Government/Public Sector Undertaking must apply through proper channel. Applicants applying for post reserved for OBC should submit a valid copy of the non-creamy layer certificate issued by competent authority in the Govt. of India format (The recommended format is available at <http://www.tifr.res.in/positions>). Applicants who do not send their applications through proper channel and applicants who do not submit a valid copy of OBC certificate in the Govt. of India format, if called, will be interviewed only upon submission of an NOC from the competent authority and/or valid OBC certificate in Govt. of India format, prior to the interview.

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Outstation candidates called for interview for the post at sr.no. 1 will be paid single First Class/III Tier A/C and outstation candidates called for interview for the posts at sr. nos. 2, 3, 4 & 5 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 place of interview on the production of photocopies of onward and return journey tickets.

The Institute reserves the right to restrict the number of candidates for interview 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 will not entitle an applicant to be called for interview. 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. Please refer TIFR website also <http://www.tifr.res.in/positions> for details.

**OBC CERTIFICATE FORMAT****FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO POST UNDER THE GOVERNMENT OF INDIA**

This is to certify that Shri/Smt./Km.\* .....son/daughter\* of Shri ..... of village/town<sup>(Indicate the sub-caste above)</sup> ..... district ..... in ..... state belongs to ..... community which is recognised as backward class under:

- 1) Resolution No. 12011 /68/93-BCC@dated 10th September 1993, published in the Gazette of India - Extraordinary - part 1, Section 1, No.186 dated 13th September 1993.
- 2) Resolution No.12011/9/94-BCC dated 19th October 1994, published in the Gazette of India - Extraordinary - part 1, Section 1, No.163, dated 20th October 1994.
- 3) Resolution No.12011/7/95-BCC, dated 24th May, 1995, published in Gazette of India - Extraordinary -part 1, Section 1, No.88, dated 25th May 1995.
- 4) Resolution No.12011/44/96-BCC, dated 6th December 1996, published in Gazette of India - Extraordinary -part 1, Section 1, No.210, dated 11th December 1996.
- 5) Resolution No.12011 /68/93-BCC, published in Gazette of India - Extraordinary - No. 129, dated the 8th July 1997.
- 6) Resolution No.12011/12/96-BCC,published inGazetteof India-Extraordinary No. 164, dated the 1st Sept. 1997.
- 7) Resolution No. 12011/99/94-BCC, published in Gazetteof India-Extraordinary No. - 236, dated the 11th Dec. 1997.
- 8) Resolution No. 12011 /13/97-BCC, published in Gazette of India - Extraordinary No. - 239, dated the 3rd Dec. 1997.
- 9) Resolution No. 12011 /12/96-BCC, published in Gazette of India - Extraordinary No. -166, dated the 3rd Aug 1998.
- 10) Resolution No.12011 /68/93-BCC, published in Gazette of India - Extraordinary No. -171, dated the 6th Aug 1998.
- 11) Resolution No. 12011/88/98-BCC, published in Gazette of India- Extraordinary No. 241, dated the 27th Oct. 1999.
- 12) Resolution No. 12011/88/98-BCC, published in Gazetteof India -Extraordinary No. 270, dated the 6th Dec. 1999.
- 13) Resolution No.12011 /36/99-BCC, published in Gazette of India - Extraordinary No. 71, dated the 4th April. 2000.

Shri/Smt./Km.\* ..... and/or his/her family ordinarily reside(s) in the ..... District of the ..... State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in column 3 (of the Schedule to the Government of India Department of Personnel & Training OM No.36012/22/93-Estt (SCT). dated 8.9.1993) and modified vide Government of India, Department of Personnel and training O.M No.36033/3/2004 - Estt.(Res) dated 09.03.2004.

Place **DISTRICT MAGISTRATE / DY. COMMISSIONER ETC.**

Date \*Strike out whichever is not applicable (With seal of Office)

NB : (a) The term 'ordinarily' used here will have the same meaning as in section 20 of the Representation of Peoples Act 1950. (b) The Authorities competent to issue caste certificates are indicated below : (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1st class Stipendiary Magistrate / Sub - Divisional Magistrate / Taluk Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st class Stipendiary Magistrate), (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate, (iii) Revenue Officer not below the rank of Tahsildar, and (iv) Sub-Divisional Officer of the area where the Candidate and or his family resides.