

HOMI BHABHA CENTRE FOR SCIENCE EDUCATION
ESTABLISHMENT

Ref: HBC/EST/

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Advertisement No. 01/2023

Homi Bhabha Centre for Science Education, TIFR, Mumbai hereby invites applications for Walk-In-Selection of below mentioned positions at HBCSE, Mankhurd, Mumbai.

Abbreviation: UR – Unreserved; OBC – Other Backward Class

Sr. No.	Name of the Post	Reservations		Age limit as on 01/01/2023	Honarium
		UR	OBC		
1	Project Scientific Assistant- B	2	1	28 (UR) 31 (OBC)	Rs. 55,600/- p.m. (Incl. of HRA Rs. 8,602/-).
2	Project Assistant	1	-	28 (UR)	Rs. 35,900/- p.m. (Incl. of HRA Rs. 5,400/-).
3	Project Tradesman- B	1	-	28 (UR)	Rs. 35,900/- p.m. (Incl. of HRA Rs. 5,400/-).

(1) Astronomy Cell

Project Scientific Assistant- B, Unreserved (UR) – 2 Posts

Walk-in-Selection Date & Time: 10/03/2023, 09.00 a.m. to 10.30 a.m.

Essential Qualification:

Full-time B.Sc./ B.S. (Physics/ Electronics/ Astronomy/ Astrophysics or other equivalent subjects) from a recognized University/Institute with an aggregate of at least 60% marks or equivalent CGPA.

Freshers can apply.

Desirable Qualification & Experience:

1. M.Sc. (Physics/ Electronics/ Astronomy/ Astrophysics or other equivalent subjects) with an aggregate of 60% marks or equivalent CGPA in Graduation Or Integrated M.Sc. with an aggregate of 60% marks or equivalent CGPA at the end of 6th semester.
2. Post-qualification work experience in teaching or research or science communication.
3. Familiarity with Linux operating system and programming languages (python / FORTRAN / C++) will be advantageous.
4. Candidates with an interest in scientific research and education, especially in Astronomy and are willing to help in designing and monitoring student projects will be preferred.

Job Description:

One of the two posts will be under NIUS Astronomy programme and the other one under Astronomy Olympiad Programme.

1. For NIUS Astronomy: To help in organizing and monitoring undergraduate student projects, and in organizing teacher and student workshops in Astronomy.
2. For Astronomy Olympiad: To help in designing Olympiad questions and solutions, conducting teacher training programmes, training programmes for telescope handling and skygazing and designing materials for school level astronomy.
3. Other academic and organisational support for the NIUS Astronomy / Olympiad programme.
4. To help in conducting astronomy outreach programmes including skygazing through telescopes.
5. Any other work assigned by the supervisor.

(2) Design and Technology (D&T) Education Group**Project Scientific Assistant- B, Other Backward Class (OBC) – 1 Post****Walk-in-Selection Date & Time: 15/03/2023, 09.00 a.m. to 10.30 a.m.****Essential Qualification:**

Full-time B.Sc./ B.Sc. (Honors)/ B.S. (in any stream of Science/ Home Science) from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.

Freshers can apply.

Desirable Qualification & Experience:

1. B.Ed degree
2. Post graduate degree like M.Sc./M.S. (in any field of Science/ Home Science), M.Ed, M.A. (any field), M.S.W from a recognised University/ Institute with an aggregate of 60% marks or equivalent CGPA in Graduation Or Integrated M.Sc. (in any field of Science/ Home Science) with an aggregate of 60% marks or equivalent CGPA at the end of 6th semester.
3. Basic graphic design skills, use of softwares like photoshop, Adobe illustrator, Indesign, etc.
4. Post qualification work experience in education/ teaching or related fields.
5. Reading, writing and typing skills in Marathi and/or Hindi.

Job Description:

1. To provide organisational and administrative help to the activities of the D&T Lab.
2. Development and testing activities on D&T, science and environment education modules.
3. To develop instructional materials like posters, brochures, lesson plans for print and web media.
4. To assist in literature review, translation of works from English to Hindi/Marathi and vice versa, data collection, data entry, analysis and report writing.
5. Occasionally teaching and conducting workshops (offline and online, in English, Marathi and/or Hindi) for students and teachers in Mumbai and other places in India.
6. To assist in outreach programmes of the D&T (which may happen periodically on some weekends)
7. Any other work assigned by the supervisor.

Special Instructions to the Candidates

1. We are looking for candidates for the Design and Technology (D&T) Education Group who have a strong interest in the field of education as well as science, environment and design. The candidate will be stationed at Mumbai, but may be required to travel occasionally.
2. Candidates are expected to **visit our website** <http://dnte.hbcse.tifr.res.in> to familiarise themselves with our work.
3. Candidates are **encouraged to bring their writing samples/ past work/ creative portfolio** which is relevant to this post. (if any)
4. You may be asked to do a **teaching demo** in English/ Marathi/ Hindi, during the interview. So kindly prepare for it by choosing any science topic of your choice from Class 5 to 10.
5. A **written test** will be administered on the day of the interview. The written test will include questions pertaining to quantitative and logical reasoning, scientific literacy, and technical comprehension, creative thinking, problem solving, general knowledge, basic proficiency in science and mathematics content knowledge upto grade 12, technical comprehension, etc.

The OBC candidates are required to produce the certificate in the prescribed format only. The prescribed format for the OBC certificate: <https://www.hbcse.tifr.res.in/get-involved/work-at-hbcse/obc-certificate-format.pdf/>

(3) Programme Office

Project Assistant - Unreserved (UR) – 1 Post

Walk-in-Selection Date & Time: 16/03/2023, 09.00 a.m. to 10.30 a.m.

Essential Qualification & Experience:

1. Full time Graduate with aggregate of 50% marks or equivalent CGPA of any recognized University/ Institute.
2. Minimum 1 year experience in clerical duties and correspondence in large and reputed organization.
3. Should be familiar with use of computers (excel, power point, word, DTP)
4. Knowledge of written and spoken English.

Job Description:

1. To handle day to day student queries, TA/DA of participants.
2. To carry out logistic arrangements related to canteen, hostel, etc.
3. To work in registration of participants, documents filing, letter drafting and photography.
4. To Update and manage publicity list as well as olympiad data.
5. To purchase gifts or any other outdoor work.
6. To co-ordinate and follow up with different internal departments.
7. Any other work assigned by the supervisor.

(4) Physics Olympiad Lab

Project Tradesman- B, Unreserved (UR) – 1 Post

Walk-in-Selection Date & Time: 09/03/2023, 09.00 a.m. to 10.30 a.m.

Essential Qualification:

1. SSC OR Equivalent.
2. ITI i.e. National Trade Certificate (NTC) in Fitter/Electrician/Electronics with minimum 60% marks awarded by National Council of Vocational Training (NCVT) with 2 years experience in relevant field.

OR

2. National Apprenticeship Certificate (NAC) in Fitter/Electrician/Electronics with minimum 60% marks awarded by National Council of Vocational Training (NCVT) with 1 year experience in relevant field.

Job Description:

1. To take up and support fabrication of experimental apparatus and maintenance related work in the workshop/laboratories.
2. Any other work assigned by the supervisor.

General Conditions:

1. In case Universities/Board award letter grades/CGPA/OGPA, the same will have to be indicated as an 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.
2. Post/s for General Category (Unreserved) – SC/ST/OBC/EWS candidates can also apply.
3. SC, ST and OBC candidates applying for unreserved posts are not eligible for age relaxation.
4. OBC Candidates should produce a valid copy of the Non-Creamy Layer Certificate issued by the competent authority in the Govt. of India format. The OBC Non-Creamy Layer certificate in GOI format should be preferably for the current financial year on the date of the closing date of recruitment process or utmost not earlier than one year from the date of the closing date of recruitment process.
5. **All the above posts are temporary for one year and can be extended either up to one or two more years based on the requirement and performance of the candidate.**
6. **Project staff will not be entitled for Institute provided accommodation.**
7. **Please download ‘Application Form’ here**
<https://www.hbcse.tifr.res.in/get-involved/work-at-hbcse/application-form.pdf/>
Bring ‘Application Form’ duly filled in all respect with enclosures at the time of interview.

HBCSE reserves the right to conduct written tests, skill test and the interviews or postpone or cancel the entire selection process for any or all posts. Canvassing in any form shall disqualify the candidate.

Before applying for the post, the candidate should ensure that she/ he fulfills the eligibility and other criteria. The Centre would be free to reject applications 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.

The HBCSE-TIFR 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. One or more vacancies may be filled through the said recruitment process.

Sd/-
(Pragati Dandekar)
Head Administrative Operations

NOTICE BOARDS

: HBCSE, Mankhurd
: TIFR Main Campus
: TIFR CAM, Bengaluru
: NCBS, Bengaluru & Panchmarhi
: NCRA, Pune

: GMRT, Pune
: RAC & CRL, Ooty
: NBF & TCIS, Hyderabad
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