

**HOMI BHABHA CENTRE FOR SCIENCE EDUCATION**  
**ESTABLISHMENT**

Ref: HBC/EST/

May 06, 2022

**Advertisement No. 02/2022**

Homi Bhabha Centre for Science Education, TIFR, Mumbai hereby invites applications for the following project posts at HBCSE, Mankhurd, Mumbai.

**Abbreviation: UR – Unreserved; OBC – Other Backward Class; SC - Scheduled Caste; EWS – Economically Weaker Section**

Sr. No.	Name of the Post	Reservations				Age Below years	Consolidated Pay
		UR	OBC	SC	EWS		
1	Project Scientific Officer- E	1	-	-	-	40 (UR)	<b>Rs. 1,07,500/- p.m.</b> (Incl. of HRA Rs. 17,000/-).
2	Project Scientific Officer- B	1	-	-	-	28 (UR)	<b>Rs. 64,000/- p.m.</b> (Incl. of HRA Rs. 10,200/-).
3	Project Scientific Assistant- B	1	1	1	1	28 (UR) 31 (OBC) 33 (SC) 28 (EWS)	<b>Rs. 48,500/- p.m.</b> (Incl. of HRA Rs. 7,600/-).
4	Project Assistant	-	1	-	-	31 (OBC)	<b>Rs. 31,800/- p.m.</b> (Incl. of HRA Rs. 5,400/-).
5	Tradesman Trainee (Electrical)	1	-	-	-	28 (UR)	<b>Rs. 12,500/- p.m.</b>

**About Vigyan Pratibha Project**

Vigyan Pratibha (<https://vigyanpratibha.in/>) is an extended project targeted towards school students of class 8-10 to nurture their aptitude in science and mathematics. The project involves extensive working with and bridging the world of school teachers on one hand and scientists on the other. A core part of project is the development and standardization of educational material through literature study, school visits and laboratory experimentation.

**(1) PROJECT SCIENTIFIC OFFICER- E (VIGYAN PRATIBHA PROJECT) – 1 Post**

**Last Date of Online application: 28/05/2022**

**Essential Qualification & Experience:**

1. PhD in Science, Mathematics, Science/ Mathematics Education or a related field from a recognized University/Institute.
2. 7 (Seven) years' experience in the field of educational material development, teaching, education research, social or developmental projects, post Ph.D.

**Desirable qualification & experience:**

1. The candidate should be proficient in writing in English, and in any Indian language such as Hindi, Marathi, Gujarati, etc.
2. Good communication skills and an interest in local practices, cultures, and diversity in the country.
3. Willingness to undertake extensive fieldwork and travel to schools in different locations in Maharashtra and nearby states.

4. Candidates with prior experience in leading material development, teacher education, and field teaching projects in an educational setup or those with additional degrees in education will be given preference.
5. The candidate should be familiar with word processing and data analysis software. Basic content competency in science and mathematics is also expected.

**Job Description:**

1. To provide an academic leadership role in the project including developing challenging learning units for science and mathematics and field testing them in different schools, teacher professional development and working with in-service teachers on regular basis.
2. The work requires strong academic competence, the ability to interact with teachers and students in different schools (urban, rural, and tribal), and sensitivity toward the learning needs of students from diverse backgrounds in the country.
3. Any other work assigned by the supervisor.

**Candidates with less experience (3 years and above but less than 7 years) may be considered for a Project Scientific Officer-D position.**

**Age limit for Project Scientific Officer- D: Below 35 years**

**Honorarium for Project Scientific Officer- D: Rs. 93,000/- (incl. of HRA Rs. 14,600/-)**

**To apply – click here <https://secure.hbcse.tifr.res.in/posts/>**

**(2) PROJECT SCIENTIFIC OFFICER- B (VIGYAN PRATIBHA PROJECT) – 1 Post - Unreserved (UR)**

**Walk-in-Selection Date: 31/05/2022 (Tuesday), 09.00 a.m. to 10.30 a.m.**

**Essential Qualification & Experience:**

1. Full-time M.Sc./ M.S. (in any stream of Science or Mathematics or related disciplines) from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.

**OR**

Full time B.E./ BTech. in any branch of Engineering from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.

2. Two (2) years post qualification experience in the field of educational material development, teaching, education research and social or developmental projects.

**Desirable qualification & experience:**

1. The candidate should have an experience in teaching/ scientific writing/ development of educational activities.
2. Good proficiency in the English language and writing skills in English and/or any other regional language.
3. Ability to engage with the learning needs of Indian students and also working with rigorous scientific and mathematical content.
4. Willingness to travel to schools and institutions in different parts of Maharashtra and nearby states.
5. Should also have experience with website management (uploads, download, data handling).

### **Job Description:**

1. To contribute towards the development of challenging learning units for science and mathematics and field testing them in different schools, teacher professional development and working with in-service teachers on regular basis.
2. The work requires strong academic competence, the ability to interact with teachers and students in different schools (urban, rural, and tribal), and sensitivity toward the learning needs of students from diverse backgrounds in the country.
3. Any other work assigned by the supervisor.

### **(3) PROJECT SCIENTIFIC ASSISTANT- B (VIGYAN PRATIBHA PROJECT) –**

#### **(a) Other Backward Class (OBC) – 1 Post and (b) Economically Weaker Section (EWS)- 1 Post**

**Walk-in-Selection date & Time : 26/05/2022 (Thursday), 09.00 a.m. to 10.30 a.m.**

### **Essential Qualification & Experience:**

1. Full-time B.Sc./ B.S. (in any stream of Science or Mathematics) from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.
2. 0- 1 year post qualification experience in the field of educational material development, teaching, education research and social or developmental projects.

### **Desirable qualification & experience:**

M.Sc. (in any stream of Science or Mathematics) with an aggregate of 60% marks or equivalent CGPA as well as in Graduation.

1. The candidate should have an experience in teaching/ scientific writing/ development of educational activities; basic knowledge of common word processing and data analysis software such as MS-Office, Libre-office, etc.
2. Good proficiency in the English language and writing skills in English and/or any other regional language.
3. Ability to engage with the learning needs of Indian students and also working with rigorous scientific and mathematical content.

### **Job Description:**

1. To contribute toward the development of challenging learning units for science and mathematics and field testing them in different schools, teacher professional development and working with in-service teachers on regular basis.
2. The work requires strong academic competence, the ability to interact with teachers and students in different schools (urban, rural, and tribal), and sensitivity toward the learning needs of students from diverse backgrounds in the country.
3. To work with teachers in schools in online mode + through school visits across the state for implementation of project activities in the school.
4. To contribute to the writing of project reports.
5. Any other work assigned by the supervisor.

**The OBC candidates are required to produce the certificate in the prescribed format only. The prescribed format for the OBC certificate: <http://www.hbcse.tifr.res.in/adv/obc-caste-certificate/>**

**The EWS candidates are required to produce the certificate in the prescribed format only. The prescribed format for the EWS certificate: <https://www.hbcse.tifr.res.in/adv/ews-certificateformat.pdf/>**

**(3) (c) PROJECT SCIENTIFIC ASSISTANT- B (MATHEMATICS EDUCATION RESEARCH PROGRAMME) Scheduled Caste (SC) – 1 Post**

**Walk-in-Selection Date and Time: 07/06/2022 (Tuesday), 09.00 a.m. to 10.30 a.m.**

**Essential Qualification & Experience:**

1. Full-time Bachelor of Science in any stream of Mathematics and related fields from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.
2. One (1) year post qualification in teaching or other relevant experience.
3. Knowledge of use of personal computers and its applications and handling social media.

**Desirable qualification & experience:**

Masters of Science in any stream of Mathematics and related fields OR B.Ed from a recognized University/Institute. Experience in working at the ground level in an organisation doing innovative work in education.

**Job Description:**

1. The candidate should have a strong interest in the field of teaching and learning of Mathematics.
2. To organise activities of the Mathematics Education group.
3. To assist the Mathematics Education research group in literature reviews, data collection, data entry, analysis, and report writing.
4. To assist in teaching and conducting workshops (offline and online, in English, Marathi or Hindi) for students and teachers in Mumbai and other places in India.
5. Any other work assigned by the supervisor.

**The SC candidates are required to submit the certificate in the prescribed format only. The prescribed format for the SC certificate: <http://www.hbcse.tifr.res.in/advt/sc-certificate/>**

**(3) (d) PROJECT SCIENTIFIC ASSISTANT- B (CHEMISTRY OLYMPIAD CELL) - Unreserved (UR) – 1 Post**

**Walk-in-Selection Date and Time: 02/06/2022 (Thursday), 09.00 a.m. to 10.30 a.m.**

**Essential Qualification & Experience:**

1. Full-time Bachelor of Science in Chemistry/ Applied Chemistry from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA.
2. 0- 1 year post qualification experience in Chemistry laboratories in educational institutions or R & D laboratories or in chemical industries or teaching in schools/colleges.

**Desirable qualification & experience:**

1. Masters of Science in any stream of Chemistry from a recognized University/Institute with an aggregate of 60% marks or equivalent CGPA as well as in Graduation.
2. Good computer knowledge in the areas of MS Word, Excel, Powerpoint and Corel Draw or equivalent and familiarity with chemical structure making softwares like ChemDraw/ BIOVIA Draw or equivalent.
3. Experience with designing scientific materials for web and print media.
4. Good writing skills in English and/or an Indian language such as Marathi, Hindi, etc.

### **Job Description:**

1. To develop instructional materials related to chemistry like posters, leaflets, experimental write-ups, articles etc. for both print and web media.
2. Generating video resources in experimental and theoretical areas of chemistry.
3. Development and standardization of experiments in chemistry for higher secondary and undergraduate level.
4. Review of the literature (that is, browsing and reading scientific journals) for designing experiments and projects for undergraduate chemistry.
5. Providing organizational help for various programmes conducted by chemistry cell for students and chemistry teachers.
6. Any other work assigned by the supervisor.

A glimpse of resources by Chemistry Cell, HBCSE:

<https://chem.hbcse.tifr.res.in/resources/resources-by-hbcse/>

### **(4) PROJECT ASSISTANT (National Coordinator's Office) ,Other Backward Class (OBC) –**

#### **1 Post**

**Walk-in-Selection Date & Time: 09/06/2022 (Thursday), 09.00 a.m. to 10.30 a.m.**

#### **Essential Qualification & Experience:**

1. Full-time **Graduate** with an aggregate of 50% marks or equivalent CGPA of any recognized University/ Institute.
2. Minimum One (1) year experience in clerical work in a large and reputed organizations.
3. Should be familiar with the use of computers.

#### **Desirable qualification & experience:**

1. Familiarity with software such as MS Office, Linux etc.
2. The candidate should have proficiency in the English language i.e. verbal and writing skills

### **Job Description:**

1. To provide administrative assistance in workshops/programmes in Science Olympiad activities of the Centre.
2. Handling correspondence via emails, phone calls etc.
3. Any other work assigned by the supervisor.

**The OBC candidates are required to produce the certificate in the prescribed format only. The prescribed format for the OBC certificate: <http://www.hbcse.tifr.res.in/advt/obc-caste-certificate/>**

### **(5) TRADESMAN TRAINEE (Electrical) (TECHNICAL SERVICE SECTION) – 1 Post**

**Walk-in-Selection Date & Time: 08/06/2022 (Wednesday), 09.00 a.m. to 10.30 a.m.**

#### **Essential Qualification:**

ITI i.e. National Trade Certificate (NTC) in Electrician Trade with minimum 60% marks awarded by National Council of Vocational Training (NCVT).

### **Job Description:**

1. To handle all the work related to the electrical department.
2. Any other work assigned by the supervisor.

**Applicants with over qualification will not be considered for the Sr. no. 3 (a), (b), (d) and 5.**

### **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/OBC/EWS candidates can also apply, candidates applying for EWS reserved post should not be covered under the scheme of reservation for SC's, ST's and OBC's.
3. Candidates applying for the above posts and who are eligible for further age relaxation as per extant GOI rules are required to produce the relevant certificates in support of age relaxation (for example ex-servicemen, persons with benchmark disabilities etc.) at the time of verification of original documents/Interview.
4. SC, ST and OBC candidates applying for unreserved posts are not eligible for age relaxation.
5. SC/OBC/EWS certificate (wherever applicable) in the Government of India format.
6. 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.
7. Outstation candidates called for recruitment process for the SC category posts will be paid a 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.
8. **All the above posts are temporary for one year and can be extended up to one or two more years based on the requirement and performance of the candidate.**
9. **Project staff will not be entitled for Institute provided accommodation.**
10. **[Instructions for candidates applying for the post no. 2 to 5 : Please download 'Application Form' here. Bring 'Application Form' duly filled in all respect with enclosures at the time of interview.](#)**

**On-Line applications for the post Sr. No. 1 must be submitted by 28/05/2022.**

HBCSE reserves the right to conduct screening tests, 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.**

**Applicants in Govt. / Semi-Government / Public Sector undertakings /Autonomous bodies must bring a No Objection Certificate from their Reporting Officer at the time of verification of original documents/Interview.**

Sd/-

**(V. P. Raul)**

Head, Administration & Finance

NOTICE BOARDS

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

: GMRT, Pune  
: RAC & CRL, Ooty  
: NBF & TCIS, Hyderabad  
: *ICTS, Bengaluru*