



**मुं वि - प ऊ वि मौलिक विज्ञान प्रकर्ष केन्द्र**  
**UM-DAE Centre for Excellence in Basic Sciences**  
An Aided Institute under the Department of Atomic Energy (DAE), Govt. of India

**Advt. No. 01/2025**

**Advertisement inviting applications for admission to the Ph.D. Programme at UM-DAE CEBS  
for the Academic Year 2025 - 2026**

University of Mumbai - Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CEBS) is an aided institute of the Department of Atomic Energy (DAE), Govt. of India. Established in 2007, it is located on the Kalina campus of the University of Mumbai, Mumbai. It offers a 5-year residential integrated M.Sc. programme with a DAE Fellowship, as well as a multi-disciplinary Ph.D. programme for training students in addressing basic science and societally relevant research problems. With several state-of-the-art research facilities on its campus, a dynamic academic atmosphere, and strong research collaborations with the proximal premier research institutes, UM-DAE CEBS serves as one of the ideal destinations for those intending to pursue a research career in Basic and Applied Sciences.

1. UM-DAE CEBS invites applications from eligible Indian nationals for a **full-time** Ph.D. programme in the following Schools:

S. No.	Schools	Qualifications
01	School of Physical Sciences	M.Sc. in Physics (background in Nuclear Physics, Mathematical Physics, Plasma Physics, Condensed Matter Physics or Computational Physics is desirable)
02	School of Chemical Sciences	M.Sc. in Chemistry (General, Inorganic Chemistry, Organic Chemistry, Physical Chemistry, Biochemistry or Material Chemistry is desirable)
03	School of Mathematical Sciences	M.Sc. in Mathematics (background in Algebra, Topology and Analysis is desirable)
04	School of Biological Sciences	M.Sc. in Biology (Life Sciences, Microbiology, Botany, Zoology, Biotechnology, Molecular Biology, Biochemistry and Biophysics is desirable)

**2. ELIGIBILITY CRITERIA**

i. M.Sc. in the relevant subject area with at least 55% marks in aggregate or its equivalent grade 'B' on the UGC 7-point scale (or an equivalent grade in the point scale, wherever the grading system has been followed) or an equivalent degree from a foreign educational institution. A relaxation of 5% of marks or an equivalent relaxation of grade will be allowed for the applicants belonging to SC, ST and *Divyangjan* categories.

**ii. Age:** A maximum of 28 years as on August 1, 2025. The age limit will be relaxed by 3 years for the OBC-NCL candidates, by 5 years for the SC/ST candidates, and by 10 years for the *Divyangjan* candidates. (Note: SSC / matriculation certificate or birth certificate will be accepted as proof of date of birth)

**iii.** Qualification in UGC-CSIR-NET (JRF or LS) / SLET / GATE / NBHM / JEST / DBT-BET / DST-INSPIRE or PET conducted by the University of Mumbai / Teachers' Fellowship examinations is an essential eligibility criterion.

**iv. Nationality:** The programme is open for Indian Nationals only.

**v. Reservation Policy:** UM-DAE CEBS follows the reservation policy of the Government of India [F. No. 59-6/2012(CU) issued by UGC on 3rd June 2016 and [OM number 36039/1/2019-Estt\(Res\)](#)]

### 3. SELECTION PROCEDURE

Applications will be scrutinized, and candidates will be shortlisted for interview based on the eligibility criteria specified above. Following this process, the number of candidates to be called for interview will be decided by the Screening Committee. Selection will be made based on the merit list prepared after a written test and /or an interview conducted by each School of UM-DAE CEBS. The recommendation/decision of the Selection Committee will be final and binding.

### 4. GENERAL INSTRUCTIONS

**i.** Before applying, the applicant should ensure that he/ she fulfils all the eligibility conditions mentioned in the advertisement. The responsibility of providing the correct information is entirely on the applicant. Furnishing of incomplete, false or misleading information shall render the application liable to be rejected. UM-DAE CEBS would be at liberty to reject any application at any stage of the selection process if the applicant is found ineligible or if it comes to notice that the applicant has furnished false information. The mere fact that a call letter has been issued to the applicant and that the applicant is allowed to appear for the interview will not imply that his/ her candidature has been accepted or that entries made by the applicant in his/ her application have been accepted as true and correct.

**ii.** Age, community status, creamy layer status will be reckoned as on 01-08-2025 for submission of application online.

**iii.** EWS/SC/ST/OBC-NCL/*Divyangjan* certificate(s) should be as per the format prescribed of Government of India.

**iv.** The candidates shortlisted for an interview and / or test will be intimated by email and the list will also be displayed on the UM-DAE CEBS website. These candidates must bring all original certificates pertaining to eligibility criteria, such as educational qualifications, experience (if any), proof of date of birth, caste certificate (if applicable) and disability certificate (in the case of *Divyangjan* candidates) and their photo-copies at the time of interview. In case the original mark sheets/score cards/ certificates have been submitted to any other institution for pursuing other courses, the candidates are required to submit a letter to that effect from the Head of that institution at the time of interview.

**v.** The list of meritorious candidates selected for the programme will be displayed on the UM-DAE CEBS website. These candidates will also be informed by email. The selected candidates will be required to join the programme up to a specified date. Failing to do so may result in cancellation of his/her candidature.

**vi.** The number of seats for the Ph.D. programme at UM-DAE CEBS in a specific academic year will be decided on the basis of the guidelines issued by DAE. The Centre reserves the right not to fill up all the seats if it so desires. Further, the Centre reserves the right to screen and call only such candidate as are found *prima-facie* suitable for being considered by the Selection Committee. Thus, just fulfilling the prescribed conditions should not entitle one to be called for interview.

**vii.** Admission shall not be claimed by any candidate as a matter of right. The admission shall be entirely at the discretion of the Selection Committee, which may refuse to admit any candidate without assigning any reason thereof.

**viii.** No correspondence whatsoever form will be entertained from candidates regarding reason for not being called for interview/ outcome of interview.

## **5. APPLICATION FEE**

UM-DAE CEBS does not charge any application fee.

## **6. HOW TO APPLY ONLINE**

**i.** The online application form will be available from 21-05-2025 to 30-06-2025.

**ii.** Applications will be accepted ONLINE only. A candidate should not submit multiple application forms.

**iii.** The applicant should read the instructions in the advertisement and online application form carefully before making any entry or selecting any option. The applicant should keep all the necessary documents/ certificates ready before filling application form. While filling up the online application form the applicant should ensure that all the required details are entered.

**iv.** While filling the application online, it is mandatory for the candidates to indicate all their educational & professional qualifications, failing which their application will not be processed.

**v.** A valid e-mail ID and mobile number is mandatory for submitting application online and e-mail ID should be kept active till the declaration of results. UM-DAE CEBS will send call letter for interview to the registered e-mail ID. No correspondence will be sent through post/ courier.

**vi.** The candidate must ensure that their photo and signature are clearly visible, otherwise, the application may be rejected. A recent front facing passport size photograph in JPEG format with size not exceeding 100 KB should be uploaded.

**vii.** Candidate must upload their (1) SSC/H.Sc./B.Sc./M.Sc./M.Sc. (Integrated) mark sheets/score cards, (2) Degree certificates, (3) Valid score card of the qualifying examination (such as GATE, NET, PET, etc.), (4) Caste certificate (if applicable), (5) disability certificate (if applicable) and (6) proof of date of birth while applying online. The online applications without the attachment of these documents shall be rejected.

**viii.** Before clicking the submit button, the applicant is advised to ensure that all the details filled in are correct. The applicant must ensure that name, date of birth, etc., are entered correctly in the application form as mentioned in the Secondary School Certificate (SSC). Any incorrect information may lead to disqualification from the selection process. No request for change/ correction in any of the information in the application form shall be entertained under any circumstances after the submission of application form.

**ix.** Any queries or any difficulties in the online application process may be sent to [phdadmissions@cbs.ac.in](mailto:phdadmissions@cbs.ac.in). Queries sent on any other email ID will not be entertained.

## **7. TRAVEL ALLOWANCE**

Candidates called for the interview will be entitled for to-and-fro AC-III railway fare by the shortest route from the registered address (city) mentioned in their application to Mumbai, (subject to production of original tickets), as per the existing rules.

## **8. MEDICAL INSURANCE**

The selected candidates will be required to join Group Health Insurance Scheme of this Centre on payment of the prescribed contribution.

## **9. FELLOWSHIP AND TENURE**

The candidates joining the Ph.D. programme will receive Junior Research Fellowship (JRF) instituted by UM-DAE CEBS, or alternatively they can activate their own fellowship (from DBT, DST etc.). The CEBS fellowship has emoluments of Rs. 37,000/- per month and HRA @30% as applicable for the first two years and upgradation to Senior Research Fellowship (SRF) from the third year onwards with a stipend of ₹42,000/- per month plus HRA @30% as applicable, subject to terms and conditions laid down by DAE from time to time. Selected candidates are also entitled for contingency grant of ₹60,000/- per year.

## **10. ACCOMMODATION**

A very limited shared accommodation (3 female and 3 male candidates) for the 1<sup>st</sup> year is available on the UM-DAE CEBS campus for candidates whose hometown lies outside the Mumbai Metropolitan Region, and it will be allotted strictly based on merit.

## **11. CANCELLATION OF THE CANDIDATURE**

Candidate is cautioned not to furnish any incomplete, false or misleading information or submit any document which is defective, forged or fabricated or otherwise not admissible or claim fraudulently EWS/SC/ST/OBC/Person with Disability status etc., or resort to any sort of malpractice during the selection process. Notwithstanding verification of original documents during various stages of the selection process, if any such case is detected at any stage of the selection process or later on, this Centre reserves the right to withdraw/cancel candidature or selection apart from taking other appropriate legal action. Candidates will not be allowed to appear for the interview if they fail to bring a valid ORIGINAL photo identity card (such a Voter ID, Driving License, AADHAR Card, Passport, College ID) original marksheets/certificates as well as one set of self-attested photo copy of all the documents at the time of interview.

## 12. TERMINATION CLAUSE

If the performance of the selected candidate is not found to be satisfactory at any stage of the Ph.D. programme, the Fellowship and the Ph.D. enrolment is liable to be terminated. A Ph.D. registration can be cancelled due to disciplinary proceedings if a student violates the code of conduct of the Centre, academic misconduct, plagiarism, data fabrication, or serious behavioural issues leading to the institution initiating disciplinary action.

## 13. IMPORTANT DATE

Online application begins: 21-05-2025

Online application ends: 30-06-2025

Interview (tentative): Fourth week of July, 2025

### Important Notes :

1) The Application is deemed to have been received only after the uploading of the following by the last date of receipt of application, failing which the application will not be processed:-

- a) Online application duly filled and uploaded signature and photograph.
- b) Online uploading of S.S.C., H.Sc., B.Sc., M.Sc./M.Sc. Integrated/ Mark Sheets, Degree certificates, Qualifying Examination Score and Certificate and Caste Certificate (if applicable).

2) Information related to the Screening / Interview / Selection will be made available on the website i.e. <http://www.cbs.ac.in>.

Candidates are advised to visit the website periodically for information and updates in this regard. Information displayed on the website will be deemed as intimation to the candidates.

3) Any legal disputes arising out of this notification are subject to the jurisdiction of the Bombay High Court.

  
I/C Registrar,  
UM-DAE CEBS

**I/C Registrar**  
University of Mumbai-Department of Atomic Energy  
CENTRE FOR EXCELLENCE IN BASIC SCIENCES  
मौलिक विज्ञान प्रकर्ष केंद्र  
University of Mumbai, Vidyanagari Campus,  
Santacruz (E), Mumbai - 400 098.