



राष्ट्रीय पृथ्वी विज्ञान अध्ययन केन्द्र  
 पृथ्वी विज्ञान मंत्रालय, भारत सरकार  
 आक्कुलम, तिरुवनंतपुरम - ६९५०११, केरल  
**NATIONAL CENTRE FOR EARTH SCIENCE STUDIES**  
 Ministry of Earth Sciences, Government of India  
 Akkulam, Thiruvananthapuram - 695011, Kerala

No. NCESS/P&GA/9424/07/2025

Date: 08.04.2025

National Centre for Earth Science Studies (NCESS) situated at Thiruvananthapuram is an autonomous research centre functioning under the Ministry of Earth Sciences (MoES), Government of India. NCESS invites applications for the posts of Project Scientist I and Project Associate II on contract basis, initially for a period of one year as per the details provided below:

| Post Code | Designation         | Vacancies | Qualifications  |
|-----------|---------------------|-----------|---|
| 1.        | Project Scientist-I | 1         | <p><b>Essential:</b><br/>Master's Degree in Geology / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b><br/>PhD with research experience in igneous / metamorphic petrology with publications in peer-reviewed journals.</p> <p><b>Nature of Job:</b></p> <ul style="list-style-type: none"> <li>• Participate in field works associated with NCESS solid earth core programs.</li> <li>• Should be able to generate and interpret data using XRF / ICP-MS / EPMA.</li> </ul> |
| 2.        | Project Scientist-I | 1         | <p><b>Essential:</b><br/>Master's Degree in Geology / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b><br/>PhD with research experience in planetary geology with publications in peer-reviewed journals.</p> <p><b>Nature of Job:</b></p> <ul style="list-style-type: none"> <li>• Participate in field works associated with NCESS solid earth core programs.</li> <li>• Should be able to generate and interpret data using XRF / ICP-MS / EPMA.</li> </ul>               |
| 3.        | Project Scientist-I | 1         | <p><b>Essential:</b><br/>Master's Degree in Geology / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b><br/>Research experience in isotope geochemistry with publications in peer-reviewed journals.</p> <p><b>Nature of Job:</b></p>   |

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|    |                     |   | <ul style="list-style-type: none"> <li>Participate in field works associated with NCESS solid earth core programs.</li> <li>Should be able to generate and interpret high-precision isotope geochemistry / geochronology data.</li> </ul>  |
| 4. | Project Scientist-I | 1 | <p><b>Essential:</b><br/>Master's Degree in Geology / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b><br/>PhD with research experience in ore geology / fluid inclusion studies / polymetallic nodule studies with publications in peer-reviewed journals.</p> <p><b>Nature of Job:</b></p> <ul style="list-style-type: none"> <li>Participate in field works associated with NCESS solid earth core programs.</li> <li>Should be able to generate and interpret data using heating - freezing stage for fluid inclusion studies and Raman microscopy.</li> </ul>  |
| 5. | Project Scientist-I | 1 | <p><b>Essential:</b><br/>Master's Degree in Geology / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b><br/>PhD with research experience structural geology / neo-tectonics / geomorphology with publications in peer-reviewed journals.</p> <p><b>Nature of Job:</b></p> <ul style="list-style-type: none"> <li>Participate in field works associated with NCESS solid earth core programs.</li> <li>Should be able to take up modelling studies relevant to the field.</li> </ul>  |
| 6. | Project Scientist-I | 1 | <p><b>Essential:</b><br/>Master's degree in Seismology / Geophysics / Earth Science or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>PhD with research experience in relevant field of seismological techniques, inversion and AI / ML to decipher the sub-surface structure and anisotropy.</li> <li>Experience in handling of seismological instruments, data collection, processing and analysis.</li> <li>Computational skills in modelling, working knowledge on Linux / Shell Scripting / Python or any programming language.</li> </ul> <p><b>Nature of Job:</b><br/>Scientific research in the field of seismology to study the geodynamics and tectonics of the Indian Ocean and fieldwork.</p> |

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| 7.  | Project Scientist-I | 1 | <p><b><u>Essential:</u></b><br/>Master's degree in Geophysics / Earth Science or equivalent with specialization in gravity, magnetics or potential fields from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• Hands on experience in latest gravimeter and magnetometer.</li> <li>• PhD with research experience in combining geophysical data from aero and satellite observations with in-situ observations and land / marine field experience.</li> </ul> <p><b><u>Nature of Job:</u></b><br/>Scientific research using numerical methods such as inversion or machine learning for understanding the lithosphere, near-surface structures and land / marine fieldwork.</p> |
| 8.  | Project Scientist-I | 1 | <p><b><u>Essential:</u></b><br/>Master's Degree in Earth Science / Chemistry / Analytical Chemistry or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b><br/>PhD in Earth Science / Chemistry / Analytical Chemistry with research experience in clean chemistry lab procedures and ion chromatography techniques.</p> <p><b><u>Nature of Job:</u></b><br/>Managing the clean chemistry lab, including the processing of geological samples for isotope geochemical analysis.</p>  |
| 9.  | Project Scientist-I | 1 | <p><b><u>Essential:</u></b><br/>Master's Degree in Geology / Geotechnical Engineering or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• PhD with research experience in Remote Sensing and GIS / geotechnical analysis.</li> <li>• Experience in landslide investigation using AI and geotechnical investigation.</li> <li>• Proficiency in RAAMS software for slope stability analysis of creep movement in landslide prone areas.</li> </ul> <p><b><u>Nature of Job:</u></b><br/>Field work in landslide prone areas / runoff modelling.</p>   |
| 10. | Project Scientist-I | 1 | <p><b><u>Essential:</u></b><br/>Master's Degree in Hydrology / Water Resources / Climatology with specialization in hydrological modelling and hydro-climatology or related fields from a recognized University / Institute with</p>   |

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|     |                     |   | <p>minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• PhD with research expertise in working on modelling of river basins, data driven models, statistical analysis of hydroclimatic variables.</li> <li>• Publications in peer reviewed journals.</li> </ul> <p><b><u>Nature of Job:</u></b></p> <p>Modelling of selected river basins, statistical analysis of large scale hydrological and climatological variables and conducting field experiments.</p>   |
| 11. | Project Scientist-I | 1 | <p><b><u>Essential:</u></b></p> <p>Master's Degree in Earth Science / Chemistry or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• PhD in Earth Science / Chemistry with experience in managing chromatography lab / MS Techniques (LC-MS / GC-MS).</li> <li>• Publications in high impact journals.</li> </ul> <p><b><u>Nature of Job:</u></b></p> <ul style="list-style-type: none"> <li>• Managing the chromatography lab, including the routine analysis of environmental samples using LC-MS, GC-MS, GC, and UHPLC.</li> <li>• Responsibilities include equipment maintenance, operating procedures, and training end users.</li> <li>• Overseeing sample collection from the field / data interpretation.</li> </ul> |
| 12. | Project Scientist-I | 1 | <p><b><u>Essential:</u></b></p> <p>Master's Degree with specialization in Geology / Marine Geology or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• PhD in Geology / Marine Geology / Micropalaeontology.</li> <li>• Demonstrated excellence in research as evidenced through publications in peer-reviewed journals.</li> <li>• Research experience in relevant fields of sediment geochemistry.</li> </ul> <p><b><u>Nature of Job:</u></b></p> <p>To undertake scientific expeditions for the acquisition of geological data, processing analysis, and interpretation of geochemical data, leading to publications.</p>  |
| 13. | Project Scientist-I | 1 | <p><b><u>Essential:</u></b></p> <p>Master's Degree in Physical Oceanography / Marine Sciences or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• PhD in Physical Oceanography / Marine Sciences</li> </ul>   |

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|     |                      |   | <p>with research experience in relevant field of coastal oceanography / marine sciences.</p> <ul style="list-style-type: none"> <li>• Field experience in deployment and maintenance of oceanographic instruments.</li> <li>• Proven experience in remote sensing, GIS, processing and analysis of satellite images / video imagery.</li> <li>• Programming skill in Python / MATLAB.</li> <li>• Experience in numerical modelling – MIKE 21 / Delft 3D, X beach, etc.</li> <li>• Demonstrated excellence in research as evidenced through publication in high impact journals.</li> </ul> <p><b><u>Nature of Job:</u></b><br/>Assist the scientists in the studies of coastal ocean processes, establishing coastal monitoring network, participating in field data collections, setup of numerical models for various nearshore regions and processing coastal video imagery / satellite data, coastal processes studies, that leads to publications and scientific reports.</p>  |
| 14. | Project Scientist-I  | 1 | <p><b><u>Essential:</u></b><br/>Master's Degree in Atmospheric Science / Meteorology / Physics / Geophysics / Electronics or equivalent from a recognized University / Institute with minimum 60% marks.</p> <p><b>OR</b><br/>Bachelor's Degree in Engineering or Technology or equivalent in Electronics / Instrumentation / Electrical &amp; Electronics / Electronics &amp; Telecommunication from a recognized University / Institute with minimum 60% marks.</p> <p><b><u>Desirable:</u></b></p> <ul style="list-style-type: none"> <li>• Knowledge in programming languages like Python / Fortran-90 / C / C++, shell scripting and meteorological data analysis tools like GrADS, NCL, NCO, CDO, etc.</li> <li>• Publications in SCI index journals in the relevant field.</li> <li>• Good knowledge in numerical weather prediction models.</li> </ul> <p><b><u>Nature of Job:</u></b></p> <ul style="list-style-type: none"> <li>• Installation, operation, maintenance and calibration of atmospheric instruments relevant to weather parameter, cloud and precipitation from High-Altitude Cloud Physics Observatory in Munnar.</li> <li>• Maintenance of the station and routine field work in the atmospheric observatories of NCESS.</li> </ul> |
| 15. | Project Associate-II | 1 | <p><b><u>Essential:</u></b><br/>(1) Master's Degree in Oceanography / Ocean</p>   |

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|     |                      |   | <p>Technology or equivalent from a recognized University / Institute.</p> <p>(2) Two years of experience in the relevant field.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Research experience in relevant fields – Oceanography.</li> <li>• Experience in Numerical Modelling (MIKE 21 / Delft / ROMS / LITPACK).</li> <li>• Deployment of oceanographic instruments, post-processing of oceanographic data, data analysis, beach profile measurements, computation of volume changes and shoreline mapping.</li> </ul> <p><b>Nature of Job:</b></p> <ul style="list-style-type: none"> <li>• Modelling work related to coastal hydrodynamics, oceanographic data collection.</li> <li>• Deployment of instruments and processing of data.</li> <li>• Preparation of technical reports and manuscripts.</li> </ul> |
| 16. | Project Associate-II | 1 | <p><b>Essential:</b></p> <p>(1) Master's Degree in Atmospheric Science / Meteorology / Physics / equivalent from a recognized University / Institute.</p> <p>(2) Two years of experience in atmospheric research.</p> <p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Experience in the atmospheric data processing and analysis using reanalysis / ground-based observational datasets.</li> <li>• Good proficiency in programming languages (Python / Fortran / C / C++ / MATLAB) or experience in handling weather instruments.</li> </ul> <p><b>Nature of Job:</b></p> <p>Participate in the remote field operations of atmospheric observatories, data collection, processing and management.</p>   |

**For Project Scientist-I posts, candidates who have submitted their PhD thesis can also apply.**

**Age limit, Remuneration (DST OM SR/S9/Z-05/2019 dt. 10.07.2020) and Reservation**

| Designation          | Age Limit (as on last date of receipt of online application) | Remuneration  | Reservation |
|----------------------|--|---|-------------|
| Project Associate-II | 35   | (1) 35,000/- + HRA to Scholars who are selected through<br>a. National Eligibility Tests -CSIR-UGC NET including lectureship (Assistant | SC-2        |

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|   |    | Professorship) or GATE or<br>b. A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.<br>(2) 28,000/- + HRA for others who do not fall under (1) above. |   |
| Project Scientist-I                                       | 35 | Rs.56,000/- plus HRA *   | UR-5<br>EWS-2<br>SC-3<br>ST-1<br>OBC-2<br>PwD-1 |
| Age relaxation for SC/ST/OBC candidates as per GoI Rules. |    |  |   |

\* Increment of 5% for every 2 years of experience subject to performance review.

Interested candidates should submit their application ONLINE. The decision of the Director, NCESS in all matters relating to eligibility, acceptance or rejection of applications shall be final and no enquiry or correspondence will be entertained in this connection from any individual.

**Note:**

1. Prospective candidates should regularly visit NCESS website ([www.ncess.gov.in](http://www.ncess.gov.in)) for further changes, if any.
2. Interview if not conducted on the specified day due to any unforeseen reasons will be held on the next working day.
3. Candidates should have a valid email-id and mobile number which should be kept active till the declaration of the final result. All communications relating to this advertisement shall be sent by email-id / mobile SMS mentioned by the candidate in his application.
4. Crucial date for determination of essential qualification and age limit will be the date of closure of application.
5. Relaxation in upper age limit for the disabled, employees of Govt. Organizations, ex-servicemen and Kashmiri Migrants will be as in O.M. No. 15012/2/2010-Estt.(D) dated 27.3.2012 of Dept. of Personnel & Training, Government of India.
6. The prescribed essential qualifications are minimum and mere possession of the same does not entitle candidates to be called for written test/interview.
7. Director, NCESS reserves the right to cancel the recruitment process without assigning any reason thereof or modify the number of vacancies to be filled.
8. If the number of applications received in response to the advertisement is large, NCESS may short list the candidates to a reasonable limit based on the essential and desirable qualifications / record of academic performance / relevant

*experience for the post or any other benchmarks as decided by a committee constituted to screen the applications.*

9. *The shortlisted candidates will be called for a written test / interview as decided by NCESS.*
10. *The names of candidates short-listed for written test / interview, as the case may be, will be notified in the NCESS website (www.ncess.gov.in) and an intimation to this effect will be sent through the email-id furnished by the candidate.*
11. *Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification. No interim correspondence/inquiry will be entertained.*
12. *Candidates will have to produce the proof of details furnished in their applications, in original, as and when required.*
13. *NCESS reserves the right not to fill up the post without assigning any reasons.*
14. *The number of vacancies mentioned in the advertisement may vary depending upon the requirements as approved by the Government.*

#### **How to Apply:**

- a) The application will be accepted online only. The online application link will be opened shortly and circulated through the NCESS website. Applicants are requested to carefully go through the full text of the advertisement and the instructions in particular. To apply, the applicant must fill the online application and upload scanned images of photograph, signature and relevant self-attested copies of mark sheets (for all semesters) and Provisional/Degree certificate for academic/professional qualifications, proof of date of birth, experience certificate, caste certificate etc. If the certificates are in a language other than English, attested translation should be uploaded.
- b) The photograph and signature should be in .jpg format with a file size limit of less than 100 KB. All certificates should be in .pdf format of each file less than 300 KB.
- c) Applications received through email or received after due date will be rejected.
- d) The candidates should produce their original certificates if selected for joining. Non-production of the original certificates / production of original certificates at variance with the online submission details will result in disallowing the candidate to join for duty.
- e) In case of difficulty in the submission of online application form (not for other queries), please email to **[vacancies.ncess@gmail.com](mailto:vacancies.ncess@gmail.com)**

**Last date for submitting ONLINE application: 5 PM on 08.05.2025.**

**Senior Manager, NCESS**