



राष्ट्रीयपृथ्वीविज्ञानअध्ययनकेंद्र  
पृथ्वीविज्ञानमंत्रालय, भारतसरकार



**ESSO - NATIONAL CENTRE FOR EARTH SCIENCE STUDIES**  
Ministry of Earth Sciences, Govt. of India  
**P.B.No. 7250 Akkulam, Thiruvananthapuram 695 011, Kerala**  
**पी. बी. नं. ७२५०, आक्कुलम, तिरुवनंतपुरम६९५०११, केरल**

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National Centre for Earth Science Studies (NCESS) is an autonomous research institution under the Earth System Science Organisation (ESSO) of the Ministry of Earth Sciences (MoES), Government of India situated at Thiruvananthapuram, Kerala.

The ESSO-NCESS invites online applications for contract positions from interested, eligible and perspective candidates of Indian Origin for filling up the post of Project Scientist C(2 Nos)Project Scientist B (15 Nos), Research Associate (4 Nos), Project Assistant (44 Nos), Laboratory Assistant (6 Nos), Senior Programmer (1 No) and Junior Programmer (1No)

Details about the positions, pay, academic qualifications, responsibilities, format of application and other general conditions are given below:

Post Code	Designation	Vacancy	Qualifications
01	Project Scientist-C	1	<p><u>Essential:</u></p> <ul style="list-style-type: none"><li>• Master's degree in Geophysics with minimum 60% marks or equivalent from a recognized university in qualifying degree</li><li>• Three years experience in research and development in the geophysical data analyses particularly in the Electromagnetic and Magneto telluric data supported by scientific publications. Doctorate degree in the respective area will be counted as three years experience.</li></ul> <p><u>Desirable</u></p> <ul style="list-style-type: none"><li>• Doctorate degree in the relevant subject area of specialization</li><li>• Experience in handling of MT data, analysis and interpretation</li><li>• Demonstrated excellence in research and publications in peer-reviewed journals</li></ul>
02	Project Scientist-C	1	<p><u>Essential:</u></p> <ul style="list-style-type: none"><li>• Master's Degree in Physics with at least 60% marks</li></ul>

			<ul style="list-style-type: none"> <li>• Three years' experience in research and development. Doctorate degree in the respective area will be counted as three years experience.</li> </ul> <p><u>Desirable</u></p> <ul style="list-style-type: none"> <li>• PhD in Physics with specialization in spectroscopic applications.</li> <li>• Experience in the application of fluorescence based spectroscopic techniques and Raman spectroscopy in fluid inclusion research and relevant publications in the field.</li> </ul>
03	Project Scientist-B	5	<p><u>Essential:</u></p> <ul style="list-style-type: none"> <li>• Master's degree in Geology/ Geophysics/Geotechnical Engineering or equivalent with minimum 60% marks from a recognized university.</li> </ul> <p><u>Desirable</u></p> <ul style="list-style-type: none"> <li>• Research experience in following areas relevant to crustal processes research in : Palaeomagnetism/Geochemistry/Sedimentology/ Structural Geology</li> <li>• Research experience in 2analysing gravity/magnetic and geoid data and interpretation</li> <li>• Experience in handling geotechnical/geophysical equipments and or experience in landslide investigations</li> <li>• Experience in active fault mapping/seismotectonic studies</li> </ul>
04	Project Scientist-B	1	<p><u>Essential:</u></p> <ul style="list-style-type: none"> <li>• Master's degree in Physics with minimum 60% marks or equivalent from a recognized university in qualifying degree</li> </ul> <p><u>Desirable</u></p> <ul style="list-style-type: none"> <li>• Experience in handling of palaeomagnetic equipments, data analysis and interpretation</li> </ul>
05	Project Scientist B	2	<p><u>Essential:</u> Master's Degree in Physical Oceanography with minimum 60% marks.</p> <p><u>Desirable:</u> PhD or Three years of research experience in the coastal oceanography/Nearshore processes</p>
06	Project Scientist B	2	<p><u>Essential:</u> Master's Degree in Marine Geology/Applied Geology with minimum 60% marks.</p> <p><u>Desirable:</u> PhD or Three years of research experience in the</p>

			sedimentology/geochemistry of soft sediments/Micropalaeontology.
07	Project Scientist B	1	<p><u>Essential:</u> First class Postgraduate Degree in Geology or Hydrogeology.</p> <p><u>Desirable:</u> PhD or Three years of research experience in aquifer characterization/ground water modelling.</p>
08	Project Scientist-B	1	<p><u>Essential:</u> Master's Degree in Remote Sensing, Geoinformatics Geomatics, or Computer Science with at least 60% marks in the qualifying degree.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> <li>• Three years research experience in satellite image processing, and GIS.</li> <li>• Knowledgeable in contextualising and designing Geodatabase.</li> <li>• Computational and programming skills including C, C++, ASP.NET, Oracle databases and SQL for customization in the ArcGIS environment</li> </ul>
09	Project Scientist-B	1	<p><u>Essential:</u> Master's Degree or equivalent in Meteorology / Atmospheric Science / Physics/ Electronics with at least 60% marks in the qualifying degree.</p> <p><u>Desirable:</u> Work experience in in situ field data collection where measurement of atmospheric parameters meteorological data processing, statistical analysis of weather and climate data.</p>
10	Project Scientist-B	1	<p><u>Essential:</u> Master's Degree or equivalent in Meteorology / Atmospheric Science / Physics/ Electronics with at least 60% marks in the qualifying degree.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> <li>• Three years' research experience in the field of Atmospheric Science/ Meteorology. Familiarity with UNIX, FORTRAN.</li> <li>• Experience in design and fabrication of instruments for atmospheric electricity and lightning measurements</li> </ul>
11	Project Scientist-B	1	<p><u>Essential:</u> Master's Degree in Remote Sensing, Geoinformatics, or Geomatics with at least 60% marks in the qualifying degree.</p> <p><u>Desirable:</u> Three years research experience in satellite image processing with experience in handling microwave data</p>

12	Research Associate	1	<p><u>Essential:</u> PhD in Geology/Marine Geology</p> <p><u>Desirable:</u> Experience in Quaternary Geology and Paleoclimate studies.</p>
13	Research Associate	3	<p><u>Essential:</u> PhD in Geology/Marine Geology/Geophysics</p> <p><u>Desirable:</u> Experience in Micropalaeontology/Geochemistry</p>
14	Project Assistant	10	<p><u>Essential:</u> First class Post-graduate degree in Geology or equivalent.</p> <p><u>Desirable</u></p> <ol style="list-style-type: none"> <li>1. Candidates having CSIR-NET and/or valid GATE score will be preferred.</li> <li>2. Experience in following research area will have added advantage: Petrology/geochemistry/fluid inclusion studies/landslide and land subsidence studies/palaeontology/sedimentology</li> </ol>
15	Project Assistant	7	<p><u>Essential:</u> First class Post-graduate degree in Geophysics or equivalent.</p> <p><u>Desirable</u></p> <ol style="list-style-type: none"> <li>1. Candidates having CSIR-NET and/or valid GATE score will be preferred.</li> <li>2. Experience in following research area will have added advantage: <ol style="list-style-type: none"> <li>a) Geophysical surveys and geophysical data processing</li> <li>b) Geotechnical investigations in landslide/land subsidence studies</li> </ol> </li> </ol>
16	Project Assistant	2	<p><u>Essential:</u> First class Post-graduate degree in Chemistry/Environmental Sciences</p> <p><u>Desirable</u></p> <ol style="list-style-type: none"> <li>1. Candidates having CSIR-NET and/or valid GATE score will be preferred.</li> <li>2. Experience using softwares like MATLAB, GIS, Geochemist's Workbench etc.</li> <li>3. Experience in geochemical/chemical laboratory procedures</li> </ol>
17	Project Assistant	1	<p><u>Essential:</u> First class Postgraduate Degree in Geology or Hydrogeology</p> <p><u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE</p>

			SCORE will be preferred. Research experience in aquifer characterization/ground water modelling.
18	Project Assistant	1	<u>Essential:</u> First class Postgraduate Degree in Physical Oceanography  <u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE SCORE will be preferred.
19	Project Assistant	2	<u>Essential:</u> First class Postgraduate Degree in Marine Geology/Applied Geology  <u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE SCORE will be preferred.
20	Project Assistant	2	<u>Essential:</u> First class Postgraduate Degree in Computer Science/MCA  <u>Desirable:</u> Candidates having programme skill in MATLAB preferred
21	Project Assistant	1	<u>Essential:</u> Master's Degree in Physics or equivalent with minimum 60% marks in the qualifying degree.  <u>Desirable:</u> Minimum three years working experience in the XRD instrument
22	Project Assistant	1	<u>Essential:</u> Post graduation in Geo-informatics/Remote sensing  <u>Desirable:</u> Experience in working on GIS tools and processing satellite data.
23	Project Assistant	1	<u>Essential:</u> M.Tech in hydrology/water resources/environmental engineering  <u>Desirable:</u> Experience in modelling and GIS tools
24	Project Assistant	1	<u>Essential:</u> Post graduation in Geology/Marine Geology  <u>Desirable:</u> Experience in field works.
25	Project Assistant	1	<u>Essential:</u> Post graduation in Geography/Geo-informatics  <u>Desirable:</u>

			Experience in working on Maps, GIS tools.
26	Project Assistant	2	<u>Essential:</u> Post graduation in Chemistry/hydrochemistry <u>Desirable:</u> Laboratory experience in R&D institutes/universities.
27	Project Assistant	1	<u>Essential:</u> Post graduation in Environmental Science <u>Desirable:</u> Experience in field works and lab experiments on soil and water.
28	Project Assistant	1	<u>Essential:</u> Post graduation in Geology/Marine Geology <u>Desirable:</u> Experience in field works/ working knowledge in basic computer operations.
29	Project Assistant	1	<u>Essential:</u> Master's Degree in Remote Sensing, Geoinformatics Geomatics, or Computer Science with at least 60% marks in the qualifying degree. <u>Desirable:</u> Candidates having experience in development of GIS based Information System. Knowledge of scripting languages for information system development
30	Project Assistant	1	<u>Essential:</u> Masters Degree in Physics/Atmospheric Science or equivalent <u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE SCORE will be preferred
31	Project Assistant	1	<u>Essential:</u> Masters Degree in Physics/Atmospheric Science or equivalent <u>Desirable:</u> Experience in measurement with pluviometer instrument observations and data analysis. Working knowledge in programming
32	Project Assistant	1	<u>Essential:</u> Masters Degree in Physics/Atmospheric Science or equivalent <u>Desirable:</u> Experience in atmospheric science, cloud, air pollution, and instrumentation
33	Project Assistant	1	<u>Essential:</u> Master's Degree in Remote Sensing, Geoinformatics, or Geomatics with at least 60% marks in the qualifying degree.

			<u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE SCORE will be preferred.
34	Project Assistant	1	<u>Essential:</u> Master's Degree in Remote Sensing, Geoinformatics Geomatics, or Computer Science with at least 60% marks in the qualifying degree.  <u>Desirable:</u> Candidates having CSIR-NET and/or valid GATE SCORE will be preferred
35	Project Assistant	1	<u>Essential:</u> Masters Degree in Physics/Atmospheric Science or equivalent  <u>Desirable:</u> Work experience in in situ field data collection where measurement of atmospheric parameters meteorological data processing, statistical analysis of weather and climate data
36	Project Assistant	1	<u>Essential:</u> Masters Degree in Physics/Atmospheric Science or equivalent  <u>Desirable:</u> Experience in measurement with pluviometer instrument observations and data analysis. Working knowledge in programming
37	Project Assistant	2	<u>Essential:</u> First Class Master Degree in Library and Information Science with experience in handling computerised Information system/database like Scopus and web of science.  Knowledge in Koha and ePrints (Digital repository)  <u>Desirable</u> One-year experience in Research Library
38	Laboratory Assistant	1	<u>Essential:</u> Graduation in Agriculture/Environmental Science  <u>Desirable:</u> Experience in field works and lab experiments on soil and water.
39	Laboratory Assistant	2	<u>Essential:</u> Graduation in Chemistry  <u>Desirable:</u> Laboratory experience in chemical analysis.
40	Laboratory Assistant	1	<u>Essential:</u> Graduation in Microbiology/Zoology

			<u>Desirable:</u> Laboratory experience
41	Laboratory Assistant	2	<u>Essential:</u> Diploma in Civil Engineering/ Surveying/Instrumentation or equivalent  <u>Desirable:</u> Candidates having experience in different type of surveying/ maintenance/ deployment of oceanographic instruments will be preferred
42	Senior Programmer	1	<u>Essential:</u> First Class PG Degree in Computer Science & Minimum of three years of work experience preferably in the development of Web based applications in PHP  <u>Desirable:</u> Experience in an R&D institution in the relevant field
43	Junior Programmer	1	<u>Essential:</u> First Class BE/B.Tech in computer science or First class PG in computer science & One year work experience in eOffice and other Web based applications.  <u>Desirable:</u> Experience in an R&D institution in the relevant field

### Age Limit & Reservation

Post Code	Vacancy	Remuneration(Rs.)*	Age Limit(Yrs)	Reservation
Project Scientist C	2	65000/-	40	As per Gol norms. However, being a project-mode position, if such candidates are not available, the same will be treated as unreserved.
Project Scientist B	15	55000/-	35	
Research Associate	4	36000/-	35	
Project Assistant	44	24000/-	28	
Laboratory Assistant	6	15000	28	
Senior Programmer	1	24000/-	28	
Junior Programmer	1	15000/-	28	

\*Plus HRA as applicable

### General Conditions:

1. Candidates should have a valid e-mail id and mobile number which should be kept active till the declaration of the final result. All communications relating to this advertisement will be sent by email/SMS mentioned by the candidate in his application.
2. The candidate's age should not exceed the age limit as mentioned above as on date of closure of application.
3. The upper age limit is relaxable by 5 years for SC/ST and 3 years for OBC. Relaxation in upper age limit for the disabled, employees of Govt. Organisations, ex-servicemen and Kashmiri



Migrants will be as in O.M. No.F.15012/2/2010-ESTT.(D) dated 27.3.2012 of Dept. of Personnel & Training, Government of India.

4. The Secretary, MoES / Chairman, ESSO-NCESS Governing Council may relax the upper age limit for all categories of posts in case of highly experienced candidates in specialized scientific areas.
5. The prescribed essential qualifications are minimum and mere possession of the same does not entitle candidates to be called for written test/interview.
6. Candidates who are already employed in Government/Public Sector/Autonomous Undertakings are required to upload their applications with attested copies of the No Objection Certificate (NOC) from the present employer. The original NOC should be produced at the time of written test/interview. In the absence of original NOC, the candidates will not be eligible for attending the written Test/ Interview.
7. Experience will be counted from the date of acquiring essential academic qualifications. The research/teaching experience relevant to the requirement of job alone will be considered as the total period of experience.
8. The decision of ESSO-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.
9. Director, ESSO-NCESS reserves the right to cancel the recruitment process without assigning any reason thereof or modify the number of vacancies to be filled under each category.
10. If the number of applications received in response to the advertisement are large, the ESSO-NCESS may restrict the number of candidates to be called for interview to a reasonable limit based on the essential and desirable qualifications/written test/record of academic performance/relevant experience for the post/or any other benchmarks as decided by a committee constituted to screen the applications.
11. The candidates qualified after screening shall be called for a written test or direct Interview as decided by the committee constituted by the ESSO-NCESS.
12. The names of candidates short-listed for written test/interview as the case may be will be notified in the NCESS website (<http://www.ncess.gov.in/>) and intimation to this effect will be sent through the email- id furnished by the candidate
13. The outstation candidates called for interview will be paid to-and-fro second-class rail fare by the shortest route. In case the ESSO-NCESS decides to conduct written test and interview, the candidates should be prepared to stay for 2 days in Thiruvananthapuram. The candidates need to make their own arrangements for their stay in Thiruvananthapuram. ESSO-NCESS will not be responsible for any other arrangements.
14. Applicants can apply for more than one post, and in such cases separate applications should be uploaded.
15. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification for the post applied for. No interim correspondence/inquiry will be entertained.

16. The selected candidates are liable to serve anywhere in India and outside and bound to carry out research work/task assigned by the Director/Institute from time to time.
17. Candidates will have to produce the proof of details furnished in their application, in original, as and when required.

### **How to Apply:**

1. The application will be accepted online (<http://www.ncess.gov.in/>) only. Applicants are requested to carefully go through the full text of the advertisement and the instructions in particular.
2. To apply, the applicant must fill the online application and upload scanned images of photograph, signature and relevant self-attested certificates pertaining to educational and professional qualifications mark sheets for all academic years, proof of date of birth, experience certificate, caste certificate, NOC, etc. If the certificates are in a language other than English, attested translation should be uploaded.
3. The photograph and signature should be in .jpg format with the file size limit between 10kb to 100Kb. All certificates should be in .pdf format of each file less than 500 kb.
4. The Candidates should produce the original certificates at the time of written test/ interview. Non-production of the original certificates/ production of original certificates at variance with the online submission details will result in disallowing the candidate from appearing for the written test / interview. No travel reimbursement will be made to such candidates.
5. Candidates currently working in any other organisation should submit the proof of their current employment.

In case of difficulty in the submission of online application form (not for other queries), please email to [vacancies@ncess.gov.in](mailto:vacancies@ncess.gov.in). No queries in this regard will be entertained.

Last date for submitting the application:

Last date & time for submission of online applications: **15.09.2017 @ 5PM IST**

Sd/-  
Director ESSO-NCESS