



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/9424/01/2023

Date: 30.01.2023

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 post of Field Assistant, Laboratory Assistant, Project Associate – I/II and Project Scientist I/II on contract basis, initially for a period of one year as per the details provided below:

Post Code	Designation	Vacancies	Qualifications
1.	Field Assistant	2	<p>Essential: Graduate degree in Physics / Geology / equivalent from a recognized University / Institute.</p> <p>Desirable: Experience in geological or geophysical (gravity / magnetic / seismic) field data collection.</p>
2.	Field Assistant	1	<p>Essential: Graduate degree in Geology / Geophysics / Physics / Chemistry from a recognized University / Institute.</p>
3.	Field Assistant	1	<p>Essential: 3-years Diploma in Civil Engineering OR Graduate Degree in Geology / Geophysics / Environmental Science / Civil Engineering from a recognized University / Institute.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Experience in conducting field experiments on soil and water. • Experience in handling / operating hydrological / geophysical instruments.
4.	Field Assistant	1	<p>Essential: Graduate degree in Geology from a recognized University / Institute.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • M.Sc. Geology / Marine Geology from recognized University / Institute with at least 60% marks. • Knowledge in geological field survey / geological mapping / hydrogeological modelling using remote sensing, GIS techniques and other

			hydrogeochemical models.
5.	Field Assistant	2	<p>Essential: 3-years Diploma in Instrumentation / Instrument Technology / Electronics / equivalent from a recognized University / Institute.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • One-year experience in marine / coastal data collection, deployment of marine instruments, shoreline survey, beach profiling, laboratory analyses of sediment samples, downloading data from marine instruments. • Experience in GPS and data processing.
6.	Laboratory Assistant	1	<p>Essential: 3-years Diploma in Civil Engineering OR Graduate Degree in Geology / Geophysics / Environmental Science / Civil Engineering from a recognized University / Institute.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Experience in conducting field / laboratory experiments on soil and water. • Experience in handling / operating hydrological / geophysical instruments.
7.	Laboratory Assistant	1	<p>Essential: Graduate degree in Chemistry / Environmental Sciences from a recognized University / Institute.</p> <p>Desirable:</p> <ul style="list-style-type: none"> • Experience in environmental sample collection and laboratory analysis. • Experience in using modern analytical instruments.
8.	Laboratory Assistant	1	<p>Essential: Graduate degree in Marine Geology / Geology / Environmental Science / Computer Science from a recognized University / Institute.</p> <p>Desirable: Working experience in Remote Sensing and GIS software (ERDAS, Arc GIS).</p>
9.	Project Associate-I	1	<p>Essential: Master's degree in Geology / Earth Science / equivalent from a recognized University / Institute.</p> <p>Desirable: Experience in field geology, petrology and sample preparation for geochemical studies.</p>
10.	Project	1	Essential:

	Associate-I		<p>Master's degree in Geology / Applied Geology / Geophysics from a recognized University / Institute.</p> <p><u>Desirable:</u> Experience in handling GIS-related software / geotechnical analysis.</p>
11.	Project Associate-I	1	<p><u>Essential:</u> Master's degree in Chemistry / Hydrochemistry / Environmental Science / equivalent from a recognized University / Institute.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in fieldwork, environmental sample collection, and analysis. • Knowledge of basic software used for environmental data processing. • Experience in handling modern analytical instruments.
12.	Project Associate-I	1	<p><u>Essential:</u> Master's degree in Marine Geology / Geology / Environmental Science from a recognized University / Institute.</p> <p><u>Desirable:</u> Experience in sedimentological / geochemical lab work.</p>
13.	Project Associate-II	1	<p><u>Essential:</u> (1) Master's degree in Physics OR M.Sc. / M. Tech. / M.Sc. Tech. in Geophysics from a recognized University / Institute. (2) Two years of experience high energy particle physics / forward and inverse geophysical modelling or subsurface imaging using any geophysical technique.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Knowledge in applied geophysics and programming skills in MATLAB / Python. • Awareness of developments in the field of applied mathematics and computer science, e.g., from the field of machine learning and artificial intelligence.
14.	Project Associate-II	1	<p><u>Essential:</u> (1) Master's degree in Geology / Applied Geology / Opto-electronics / Physics from a recognized University / Institute. (2) Two years of experience in the relevant field in a R&D institute.</p>

			<p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in handling and maintaining of scientific instruments. • Experience in sedimentary basin analysis.
15.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Environmental Sciences from a recognized University / Institute.</p> <p>(2) Two years of experience in river basin and climate change studies.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in hydrogeochemical data processing, and GIS, Geochemist's Workbench, Aquachem and other data processing tools / software. • Experience in data interpretation and report preparation.
16.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Hydrology / Water Resources / Environmental Engineering from a recognized University / Institute.</p> <p>(2) Two years of experience in the field of Hydrology / Water Resources from R&D / academic institutes.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in working with Physics-based and data-driven models in the areas of hydrology / water resources. • Experience in handling / operating hydrological instruments and conducting field studies. • Knowledge of Python / MATLAB / R.
17.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Geology / Environmental Sciences from a recognized University / Institute.</p> <p>(2) Two years of experience in soil / sediment analysis and paleoclimate studies.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in fieldwork, geoenvironmental sample collection and analysis. • Experience in GIS, data interpretation and report preparation.
18.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Oceanography / Computer Science & Engineering / Ocean Technology / equivalent from a recognized University / Institute.</p> <p>(2) Two years of experience in relevant fields -</p>

			<p>Oceanography / Computer Science.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in numerical modelling (MIKE 21 / Delft / ROMS). • Experience in deployment of oceanographic instruments, post-processing of oceanographic data, data analysis, beach profile measurements, computation of volume changes and shoreline mapping. • Experience in video image processing and MATLAB / Python programming. • Experience in data analysis and programming skill in Python / MATLAB. • Participation in research cruises.
19.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Geology / Marine Geology / Applied Geology / Geoinformatics from a recognized University / Institute.</p> <p>(2) Two years of experience in marine field work or sedimentological / geochemical research work.</p>
20.	Project Associate-II	1	<p><u>Essential:</u></p> <p>(1) Master's degree in Remote Sensing and Geoinformatics / Geology / Computer Science / equivalent from a recognized University / Institute.</p> <p>(2) Two years of working experience in Remote Sensing and GIS software including open-source GIS platforms.</p> <p><u>Desirable:</u></p> <p>Knowledge in GIS digital conversion and integration, image processing and analysis, data base management.</p>
21.	Project Scientist-I	1	<p><u>Essential:</u></p> <p>Doctoral degree[@] in Physics with specialization in Experimental High Energy Particle Physics from a recognized University / Institute.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Working experience in the field of cosmic ray measurements and data processing. • Designing of Muon Scintillator Detector and related data processing, modeling, and interpretation. • Knowledge of programming languages such as Fortran, Python, MATLAB, Machine Learning, etc., preferably applied in the study of cosmic ray.
22.	Project	1	<u>Essential:</u>

	Scientist-I		<p>Doctoral degree in Marine Science / Oceanography / equivalent OR Master's Degree in Engineering or Technology or equivalent in Ocean Technology / Computer Science from a recognized University / Institute.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Experience in nearshore data collection: deployment of oceanographic instruments, beach and sediment sample collection, post-processing of oceanographic data, beach profile measurements, computation of volume changes, shoreline mapping and data analyses. • Experience in numerical modelling (expertise in using Modelling software such as MIKE 21 / Delft / ROMS / WAVEWATCH III and LITPACK). • Programming skill in MATLAB and Python.
23.	Project Scientist-II	1	<p><u>Essential:</u></p> <p>(1) Doctoral degree in Geology OR Master's Degree in Engineering or Technology or equivalent in Engineering Geoscience or Geotechnical Engineering from a recognized University / Institute.</p> <p>(2) Three years[#] of experience in Remote Sensing and GIS.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Expertise in geotechnical analysis and in landslide investigation using AI and geotechnical investigation. • Proficiency in RAAMS software for slope stability analysis of creep movement in landslide prone areas.
24.	Project Scientist-II	1	<p><u>Essential:</u></p> <p>(1) Doctoral degree in Physics from a recognized University / Institute.</p> <p>(2) Three years[#] of working knowledge in spectroscopic techniques and Fluorescence emission analysis with a good publication record.</p>
25.	Project Scientist-II	1	<p><u>Essential:</u></p> <p>(1) Doctoral degree in Geology from a recognized University / Institute.</p> <p>(2) Three years[#] of R&D experience in Quaternary / paleoclimate studies.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Demonstrated excellence in research as

			<p>evidenced through publications in peer-reviewed journals.</p> <ul style="list-style-type: none"> • Capacity to independently undertake research programs and supervise research work in paleoclimate studies, sediment geochemistry and radiocarbon dating.
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@Candidates who have submitted their PhD thesis or in the final year of their PhD program can also apply.

#Candidate without minimum 3 years of experience can also apply, if found otherwise suitable for the project, then the candidate will be selected as Project Scientist-I.

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

Designation	Age Limit (as on last date of receipt of online application)	Remuneration
Laboratory Assistant / Field Assistant	50	Rs. 20,000/- plus HRA *
Project Associate-I	35	<p>(1) 31,000/- + HRA to Scholars who are selected through</p> <p>a. National Eligibility Tests -CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or</p> <p>b. A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p>(2) 25,000/- + HRA for others who do not fall under (1) above.</p>
Project Associate-II	35	<p>(1) 35,000/- + HRA to Scholars who are selected through</p> <p>a. National Eligibility Tests -CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or</p> <p>b. A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p>(2) 28,000/- + HRA for others who do not fall under (1) above.</p>
Project Scientist-I	35	Rs.56,000/- plus HRA **
Project Scientist-II	40	Rs.67,000/- plus HRA **

Age relaxation for SC/ST/OBC candidates as per GoI Rules.

* Increment of 15% for 3 years of experience with maximum ceiling of 4 such revisions i.e., up to 12 years of experience.

** 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) 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 the file size limit between 10kb to 100Kb. All certificates should be in .pdf format of each file less than 500 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 the application:

Within 30 calendar days from the date of publication of this advertisement. The online link will be disabled at **5 PM on 03.03.2023.**

Senior Manager, NCESS