

F. No. MoES/A-12024/1/2021 -Estt.

**Ministry of Earth Sciences**Prithvi Bhawan, Lodhi Road  
New Delhi-110003**VACANCY**

The Ministry of Earth Sciences invites online applications for filling up of posts of **Scientist** in different levels (Scientist C, D, & F) in the Pay Level 11, 12, & 13A of the pay matrix in Ministry of Earth Sciences on direct recruitment basis.

**Description of Posts**

Sl. No.	Name of the post	Number of vacancies	Pay Scale	Classification
1.	Scientist 'C'	09	Pay Level- 11 (Rs. 67700-208700/-)	General Central Service Group "A" Gazetted
2.	Scientist 'D'	02	Pay Level -12 (Rs. 78800-209200/-)	(Scientific) Non-Ministerial.
3.	Scientist 'F'	01	Pay Level -13A (Rs. 131100-216600/-)	

**Method of Recruitment: Direct recruitment****1) Name of Post: Scientist -F, (Post Code 2021/01)****No. of posts: 01 post****Pay Scale: Pay Level 13A (Rs.131100 - 216600/-)****Discipline: Seismology/Geosciences/Geology****Essential Qualification:**

Master's degree in Geophysics/Seismology/Geology/Geoscience or equivalent with at least first class (60% marks) from a recognized university.

**Experience:**

Sixteen (16) years of experience in teaching (at graduate / post graduate level) or research and development in seismology/geosciences supported by scientific publications/reports.

**Desirable Qualification**

- Doctorate degree in the relevant subject or area of specialization.
- Experience in earthquake studies, field/site investigation, and planning/execution in the relevant field.

**Job Requirement:**

- Carry out and supervise research in the field of Seismology/Earthquake studies.
- Planning and implementation of Scientific/Research programmes and scientific collaborations in NCS related activities.
- Preparation of scientific/technical reports.
- Imparting training on seismology/NCS activities.

**Age limit (as on normal closing date):** Not exceeding 50 years, (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**2) Name of Post: Scientist -C (Post Code 2021/02) No. of posts: 01 post****Pay Scale: Pay Level 11 (Rs.67700 - 208700/-)****Discipline: Atmospheric Sciences****Essential Qualification:**

Master's degree in Physics/ Mathematics/Meteorology/Atmospheric Science/ Atmospheric Physics or equivalent with at least first class (60% marks) from a recognized university.

**Experience:**

Three (03) years' experience in teaching (at graduate or post graduate level) or research and development in the field of specialization (Atmospheric Science) supported by scientific publications.

**Desirable:**

- Doctorate Degree in the relevant subject or area of specialization.
- Experience in execution of research, projects, writing scientific reports etc.

**Job Requirement:**

- Development of R&D projects including in public-private-partnership mode: project review & monitoring; preparation of reports; and coordination of scientific activities in the field.
- Coordinate with different relevant institutions for smooth implementation of projects.
- Preparation of technical notes and scientific reports etc.

**Age limit (as on normal closing date):** Not exceeding 40 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**3) Name of post: Scientist -C (Post Code 2021/03)****No. of posts: 01 post****Pay Scale: Pay Level- 11 (Rs.67700 - 208700/-)****Discipline: Ocean Science & Technology****Essential Qualification:**

Master's degree in Oceanography / Marine Sciences / Atmospheric Sciences / Physics/ Mathematics / Geophysics or its equivalent from a recognized University / Institute with at least first class (60% marks) in the qualifying degree.

**Experience:**

Three (03) years of experience in teaching (at graduate or post-graduate level) research and development, design or field engineering, surveying, administration, planning supervision or training, etc. in the field of Ocean Sciences/Marine Sciences / Atmospheric Science.

**Desirable qualification:**

Doctorate in the relevant field or area of specialization.

**Job Requirement:**

- Development of R&D program in the field of Ocean Sciences/Ocean Technology relevant to the Ministry.
  - Planning and implementation of Scientific /Research programmes of the Ministry.
- Age limit (as on normal closing date)** Not exceeding 40 years. (Relaxable for

Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**4) Name of Post: Scientist -C (Post Code 2021/04)****No of posts: 02 posts****Pay Scale: Pay Level 11 (Rs. 67700 - 208700/-)****Discipline: Information Technology****Essential Qualification:**

Bachelors' Degree in Computer Science/ Computer Engineering/ Information Technology from a recognized University /Institution with at least first class (60% marks) or equivalent CGPA.

**Experience:**

At least 3 years of post qualification experience in IT Computer Technology Sector, in research and development in the field of specialization.

**Desirable:**

Master's Degree in the relevant subject or area of specialization.

Experience in maintaining IT/Computer network, development/maintenance of Websites/Mobile Apps etc.

**Job Requirement:**

Support ministry in development of IT tools/maintenance of websites/development of apps.

**Age limit (as on normal closing date):** Not exceeding 40 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**5) Post Name: Scientist-D (Post Code 2021/05)****No of Posts: 01 post****Pay Scale: Pay Level -12 (Rs. 78800 - 209200/-)****Discipline: Atmosphere/Ocean Modelling and Data Assimilation****Essential Qualifications:**

Masters' Degree or equivalent in Meteorology/Oceanography/Atmospheric Science/ Climate Science/Physics/Mathematics/Statistics or equivalent from a recognized university with at least first class (60% marks) or equivalent CGPA.

**Experience:**

At least seven (07) years of post qualification experience in research/teaching in the field of Atmospheric Science/Meteorology /Oceanography/Fluid Mechanics.

**Desirable Qualifications/Experience:**

- Ph.D. in any of the above mentioned subjects.
- Research experience in numerical modelling of the atmosphere and ocean, data assimilation, climate modelling, statistical analysis of weather and climate data supported by publications in journals and reports.
- Ability to design and conduct numerical experiments in HPCS.
- Experience in high-level programming languages viz., FORTRAN/C/ Python etc. in High Performance Computing Environment and experience in UNIX / LINUX environment.
- Experiences of data analysis tools viz., GrADS/IDL/MATLAB/Ferret/R/CDAT etc.

**Job Responsibilities:**

- Research & Development on Atmosphere/Ocean data processing and quality control techniques, Data Assimilation, Numerical modelling of atmosphere and ocean, Diagnostic tools, Related project management.
- Development of new and novel application from model outputs.
- Organization of trainings on earth system modeling, Report writing, Project Management.
- Porting and optimization of numerical models in HPC environment.

**Age limit (as on normal closing date):** Not exceeding 50 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**6) Post Name: Scientist -C (Post Code 2021/06)****No of Posts: 03 posts****Pay Scale: Pay Level-11 (Rs.67700- 208700/-)****Discipline: Atmosphere/Ocean Modelling and Data Assimilation****Essential Qualifications and Experience:**

Masters' Degree or equivalent in Meteorology/Oceanography/Atmospheric Science/ Climate Science/Physics/Mathematics/Statistics or equivalent from a recognized university with at least first class (60% marks) (or equivalent CGPA).

**Experience:**

At least three (03) years of post qualification research/teaching experience in the field of Atmospheric Science/Meteorology/Oceanography/Fluid Mechanics.

**Desirable Qualifications/Experience:**

- Ph. D. in any of the above mentioned fields/subjects.
- Research experience in numerical modelling of the atmosphere and ocean, data assimilation, climate modelling, statistical analysis of weather and climate data supported by publications in journals and reports.
- Good working knowledge in high-level programming languages viz., FORTRAN/C/ Python etc.
- Good working knowledge in High Performance Computing Environment and experience in UNIX / LINUX environment.
- Working experience in data analysis tools viz., GrADS/IDL/MATLAB/ Ferret/R/ CDAT

**Job Responsibilities:**

- Research & Development on Meteorological data processing and quality control techniques, Data Assimilation, Numerical modeling of atmosphere and ocean, Diagnostic tools, Ensemble prediction techniques, Developing Applications from Model output.
- Report writing, works related to project management.

**Age limit (as on normal closing date):** Not exceeding 40 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders

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issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**7) Name of Post: Scientist-D (Post Code 2021/07)**

**No. of posts: 01 post**

**Pay Scale: Pay Level 12 (Rs. 78800 - 209200/-)**

**Discipline: Marine Biogeochemistry**

**Essential Qualification:**

Master's degree in Marine Chemistry/Chemical Oceanography/Hydrochemistry/ Marine Science from a recognized university/Institute with at least first class (60% marks) in the qualifying degree level.

**Experience:**

Seven (07) years' experience in research and development, field survey and analysis relating to marine biogeochemistry with adequate exposure and demonstrated skill in planning and implementation of relevant research projects, and policy development, science planning and administration.

**Desirable:**

- Doctorate in the relevant area specified in job description.
- Experience in the relevant field specified in job description such as marine biogeochemistry, ocean acidification, etc. and field studies, in-situ and laboratory experiments.

**Job Requirement:**

- Research & Development in the field of Marine Biogeochemistry.
- Undertake scientific studies to address Large Marine Ecosystem dynamics, Ocean Acidification Climate Change impacts, Oxygen Minimum Zone, etc.
- To plan and execute R&D in the domain of Scientific/Research programs of the Ministry; Project Review & Monitoring; Preparation of reports; and Coordination of Field Scientific Activities Design and implement in-situ and laboratory experiments and create necessary facilities, national and international coordination.

**Age limit (as on normal closing date):** Not exceeding 50 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**8) Name of Post: Scientist-C (Post Code 2021/08)**

**No. of Posts : 02 posts**

**Pay Scale: Pay Level -11 (Rs.67700 - 208700/-)**

**Discipline: Coastal Engineering**

**Essential Qualification:**

Bachelor's degree in Civil Engineering or equivalent from a recognized university with at least first class (60% marks) in the qualifying degree level.

**Experience:**

Three (03) years' experience in research and development or design engineering, surveying, planning, supervision, etc., in the relevant field of civil, ocean and marine engineering.

**Desirable Qualification:**

- Master's degree in Civil Engineering or Ocean Engineering/Technology or Marine Structures or equivalent degree from a recognized university.
- Experience in the relevant field specified in job description such as survey, design of coastal/marine structures and field studies.

**Job Requirement:**

- Development of Numerical Models for Coastal Processes and Flood Inundation.
- Survey, Measurements, Design of coastal/marine structures, Field studies in Ocean or Marine Engineering.
- To plan and execute R&D in the domain of Scientific/Research programs of the Ministry; Project Review & Monitoring; Preparation of reports; and Coordination of Field Scientific Activities.

**Age limit (as on normal closing date):** Not exceeding 40 years. (Relaxable for Government servants upto five years in accordance with the instructions or orders issued by the Central Government from time to time). This relaxation of 5 years is admissible to such of the Govt. servants as are working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the posts, recruitment to which has been advertised.

**Selection Process:**

The prescribed essential qualifications are minimum requirements and the mere possession of the same does not entitle candidates to be called for interview. If the number of applications, received in response to advertisement are large, it will not be convenient or possible to call all candidates for interview. Hence, Ministry may restrict the number of candidates to be called for interview before Selection Board to the reasonable limit through screening process.

The criteria for screening of the applications will be based on candidates qualifying credentials against:

- the essential requirements specified above,
- date of birth,
- completeness of the application in terms of providing accurate details and submission of the passport size photograph, and copies of the marks list, academic and experience certificate, signature.
- essential experience,
- desirable qualification and experience as specified above,
- consistent academic performance at one or more levels etc. The candidates experience certificates should clearly specify whether they possess the experience / knowledge / skills / technology / software platform requested in the essential / desirable experience requirements against the post. The benchmark for screening the applications will be set by a committee constituted to screen the applications. The final selection of the Screened in candidate will be based on the candidate's performance before the Selection Board. No correspondence will be entertained with candidates who are not called for interview/selected for appointment.

**General Conditions:**

- Applications should be submitted online through [www.moes.gov.in](http://www.moes.gov.in) in the prescribed format.
- Applications that are not submitted in the prescribed format will not be considered.
- The candidate's age should not exceed the age limit mentioned above as on date

of closure of application. Experience will be counted from the date of acquiring the essential academic qualifications.

- The experience, relevant to the requirement of job or research or teaching will only be considered towards the total period of experience.
- Doctorate degree in the relevant field will count as 3 years of experience.
- Ministry reserves the right to cancel the recruitment process without assigning any reason thereof or vary the number of posts to be filled.
- Travel: No TA will be paid by Ministry for attending the Selection/Interview.
- MoES will not be responsible for any other arrangements.
- The names of candidates screened-in for interview before Selection Committee will be displayed on **Ministry's website**.
- Scientists appointed shall be liable to serve anywhere in India and outside India.**

**Application Procedure:**

- The entire application procedure is made online.
- Copies of certificates in support of educational qualifications, date of birth, experience, no objection certificates (from present employer, if working), scanned signatures, passport size photograph, etc. should be uploaded during the online application process. Passport size Photograph, Signature should be in .jpg format with file size limit between 10KB to 100KB: remaining all certificates should be in .pdf format of each file less than 500 KB. Candidates are advised to be ready with all individual scanned documents of their certificates of educational & professional qualifications, marks memos, reservation certificate, if applicable, proof of date of birth, experience certificates, no objection certificates, scanned signature, passport size photograph etc. before starting filling up of the online application. Production of the original certificates is must while appearing for Interview. Applications submitted without the scanned copies of the relevant certificates, signature and passport size photograph will be rejected in the screening process itself. The certificates uploaded should be clearly visible and readable.
- Any discrepancies found in the certificates or uploading of wrong certificates will attract the disqualification of applications. Nonproduction of the original certificates will also make the candidate disqualified. The disqualified candidates will not be allowed for Interview. Candidates currently working in any other organization need to provide the proof of their current employment with a service certificate from the employer / latest pay slip. etc. Appointment orders /resumes will not be considered as proof of current employment. In addition, the experience certificates should clearly show the date of joining and date of resignation. In case the screening committee is unable to get the documentary evidence for the number of years of experience claimed by the candidate such periods of experience will be considered as NIL.
- The candidates presently working in Central Govt./State Govt./ PSUs/Autonomous Bodies/University etc. are required to provide No Objection/cadre clearance from current employer at the time of interview. The current employer will also certify their Vigilance Clearance and Integrity.
- Incomplete applications in any respect are liable to be rejected summarily. No representation against such rejection will be entertained.
- Canvassing in any form will be a disqualification.

**Instructions for submission of online Application:**

- Before submitting the online application, the applicants are requested to carefully go through the full-text of the advertisement and the procedure to apply.
- Online application form & details of the advertisement is available at <http://www.moes.gov.in>
- Submit online application well in advance along-with legible and scanned copies of certificates and other mandatory requirements as mentioned above in the application procedure. If the certificates are in a language other than English or Hindi, then attested translation should be uploaded.
- The applicants are advised to fill in all their particulars carefully in the online application. Incomplete application will be summarily rejected.
- Applicants are advised to retain the acknowledgement and printout of the submitted online application for future reference.
- In case of difficulty in the submission of online application form (not for other queries), please email to [vacancies@incois.gov.in](mailto:vacancies@incois.gov.in)

### Format of Application

Filling up of posts of Scientists in different levels (Scientist C, D, & F) in Ministry of Earth Sciences on direct recruitment basis.

Passport  
size  
Photograph

Signature

**Personal Details**

**Advertisement Number MoES/A-12024/1/2021-Estt**

*Post for which applied	Select Post	*Post Code	Select Post Code
*Full Name (in Block Letters)		*Father's /Husband's Name	
*Date of Birth (dd-mm-yyyy)		* Age on closing date	
Gender		Marital Status	
* Religion		*Nationality	
*Whether belongs to GEN/OBC/SC/ST	Select Category		
Address for correspondence	(Max. 400 characters)		
State		Pin Code	(Max 6 Numbers)
Permanent Address Same as above			
* Permanent Address	(Max. 400 characters)		
*State		*Pin Code	(Max 6 Numbers)
*Email Id			
Telephone Number		*Mobile Number	(Max 10 Numbers)

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