



पृथ्वी विज्ञान मंत्रालय, भारत सरकार
Ministry of Earth Sciences, Govt. of India
भारतीय उष्णदेशीय मौसम विज्ञान संस्थान
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
डॉ. होमी भाभा मार्ग, पाषाण, पुणे - 411008 /
Dr. Homi Bhabha Road, Pune - 411008

ADVERTISEMENT NUMBER: PER /07/2023 (PHASE-V)

**ADVERTISEMENT FOR RECRUITMENT OF VARIOUS PROJECT POSTS
(PURELY ON A TEMPORARY & SHORT-TERM CONTRACT BASIS)**

The Indian Institute of Tropical Meteorology (IITM) is an autonomous research organization fully funded by Ministry of Earth Sciences, New Delhi. It is a premier Institute of National and International repute, devoted to research in various aspects of atmospheric sciences with emphasis on tropical meteorology, particularly on the Climate Change and Indian Monsoon.

The Institute invites online applications for the various project posts as detailed below:-

Sr. No	Name of Post	Pay	No of posts \$	Age Limit In years
1.	Project Scientist -III	₹78,000/- + HRA	07	45
2.	Project Scientist -II	₹ 67,000/- + HRA	12	40
3.	Project Scientist- I [SC-2, OBC-3, EWS-1]	₹ 56,000/- + HRA	12	35
4.	Project Manager	₹ 1,25,000/- consolidated #	01	Min - 45 Max- 62
5.	Executive Head, IMPO	₹ 78,000/- + HRA#	01	62
6.	Section Officer	₹ 44,900/-+HRA	04	35
7.	Upper Division Clerk (ST-1, EWS-1 & OBC-2)	₹ 25,500-/+ HRA	08	28
Total Posts			45	

Emoluments in r/o Project Manager & Executive Head in case of retired employee being appointed will be fixed as per the Govt. Of India instructions.

\$ The number of vacancies mentioned in the advertisement may vary depending upon the requirements of the project.

- The appointment is purely on temporary and contractual basis initially for a period upto 31.03.2026 and Extension of tenure is co-terminous with the project period, whichever is earlier and subject to the satisfactory performance.

GENERAL INSTRUCTIONS AND ESSENTIAL INFORMATION

1. The last date of submission of online application is **17th November 2025 (1700 hrs.)**. Facility for submitting online applications will commence on **17th October 2025 (1700 hrs.)**.
2. Incomplete application will be out-rightly rejected. Experience, age and qualifications will be reckoned as on the closing date of submission of online application form.
3. **Hard copy of the applications will not be accepted.**
4. **Candidates are requested to submit a one-page proposal on research activity that will be carried out with respect to the job responsibility for the post they apply for. (Only for the Scientific posts at Sr. No. 1 to 5 of table on page No. 1)**
5. Only Indian Nationals are eligible to apply.
6. Mere possession of required qualification will not entitle the candidates to be selected for interview. If the number of applications received in response to advertisement is large, it will not be convenient or possible for the selection Board to interview or conduct written test for all those candidates. The Institute may shortlist 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.
7. No correspondence will be entertained with candidates who are not called for written test /Interview.
8. The relaxation of age, qualification etc., shall be applicable to the Scheduled Caste or Scheduled Tribe, Other Backward Caste, Person with Benchmark Disability etc. candidates as per rules of Government of India.
9. The reservation/relaxation for SC, ST, OBC, EWS and Persons with Benchmark Disabilities shall be as per existing Government of India norms as amended from time to time. Candidates applying for the reserved posts should clearly state to which category they belong.
10. Candidates seeking reservation under SC / ST / OBC (NCL)/ EWS category are required to submit certificate in the format prescribed by the Government of India, Department of Personnel & Training.
11. It shall be the responsibility of the applicant to assess his own eligibility for the post for which appointment is being offered in accordance with the prescribed qualifications, experience, etc. mentioned in this present advertisement. Suppression of factual information, supply of fake documents, providing false or misleading information in any manner on the part of the applicant detected at any point of time shall lead to termination of his/her contract. In case of any ambiguity in the recruitment rules in general and eligibility in respect of any post, the decision of the Competent Authority shall be final.
12. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each, at the time of joining. Non production of the original certificates at the time joining will also make the candidate disqualified. Acceptance of documents submitted by an applicant shall be subject to verification by the competent authority. If any document is found to be false/fake/incorrect/ malafide either before or after appointment, the document shall be summarily rejected and action may be initiated against the candidate which may lead to cancellation of his appointment.
13. In case of any inadvertent mistake in the process of selection, which may be detected at any stage even after the issue of appointment order, the Institute reserves the right to modify /

withdraw/ cancel any communication made to the candidate.

14. In case of any dispute / ambiguity that may occur in the process of selection, the decision of the Competent Authority shall be final.
15. Doctorate Degree will count as 3 years of experience (in case the doctorate degree is not mentioned as the essential qualification).
16. Experience claim should be supported by valid documentation.
17. The Institute shall have the right to relax any of the qualifications, experience, age, etc., in exceptionally deserving cases of all posts on the recommendations of the Screening and Selection Committee.
18. The selection for the posts of UDC shall be on the basis of performance of the screened in candidates in the written test and for the remaining posts selection will be on the basis of performance of the screened in candidates, in the interview.
19. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.
20. No TA / DA shall be paid for attending written test/skill test/interview. However, Outstation candidates belong to Scheduled Caste or Scheduled Tribe categories called for written test/skill test/ interview shall be paid as per Government of India orders on production of proof. Discrepancies in the certificates, non-production of the original certificates and No Objection Certificate at the time of written test/skill test/ interview will attract the disqualification of applications. No travel reimbursement will be made to such candidates belonging to SC/ST category.
21. Applicants working in Government/ Semi-Government/ Public Sector Undertakings/ Autonomous bodies should produce the requisite 'No Objection Certificate/ Experience certificate from their employer at the time of written test/skill test/ interview.
22. Candidates appointed against any position in this advertisement are not entitled for any claim for regular/permanent position at any time during or after the tenure of the post.
23. Director, IITM reserves the right to fill or not to fill any or all the posts advertised for any reasons whatsoever.
24. Director, IITM reserves the right to withdraw the advertisement, either partly or wholly, at any time without assigning any reason.
25. Number of posts advertised may be treated as tentative and the Director, IITM shall have the right to increase or decrease the number of posts at the time of selection and make appointments accordingly.
26. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification of candidature. No interim correspondence/inquiry will be entertained.
27. The applicant shall in no case represent or give opinion or advice to others in any matter which is adverse to the interest of the office nor will he/she indulge in any activity outside the statutory terms of the employment.
28. The appointee will not engage either directly or indirectly, in any business or professional activities that would conflict with activities assigned to him/her.
29. Candidates in their own interest are advised to check regularly the Institute website <https://www.tropmet.res.in/Careers>. Any addendum/corrigendum etc. with regard to this recruitment will be displayed only on IITM website.
30. They should also regularly check their email account for updates. Call Letters and other correspondence for attending the written test/ skill test/ interview, etc., shall be sent to the eligible candidates by email only.
31. **Details/updates regarding Phase-VI will be uploaded on the IITM website only.**

PROJECT SCIENTIST III

Post Code	:	Post Code -ART_Bhopal 2021-001
Name of the post	:	Project Scientist – III (For ARTs/ Radar Remote Sensing) (To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)
Number of post	:	01 No.
Essential Qualification	:	• Master's degree in Science (Physics/ Instrumentation/ Meteorology/ Atmospheric science/ Atmospheric physics/ Geophysics (with Meteorology)/Electronics/Radio Physics) from a recognized university or equivalent with at least 60 % marks OR • Master's Degree in Engineering or Technology (Electronics/ Instrumentation/ EEE/ E&T) from a recognized University or equivalent. AND • Seven years of relevant experience in operation and maintenance of Doppler Weather Radars/radar wind profilers/ radiometer. Processing, analysis and interpretation of Doppler weather radar/radar wind profiler data sets OR • Seven years of experience in running NWP models (like WRF) and use of remote sensing observations for model validation/improvement
Desirable Qualification	:	• Conducting research and analyzing scientific data, specializing in field experiments and observations. • Experience in running forecasting models (like WRF) and use of observations for model validation • Handling of large volume of radar data and conversant with data format like NetCDF, HDF, GRIB etc. • High quality publications in the SCI index journals • Ability to work in group and remote environments • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	• Conduct/manage observational campaigns to study cloud-precipitation interactions using radars. • Radar operation and maintenance, calibration/validation, and troubleshooting of radars, analysis of dual polarization radar data. • Use of testbed observations for physical process understanding. Testing and evaluating model representation of processes observed

Post Code	: Post Code-ART_Bhopal2021-002
Name of the post	: Project Scientist – III (For ARTs/ Atmospheric Instrumentation) (To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)
Number of post	: 01 No.
Essential Qualification	• Master's degree in Science (Physics/ Instrumentation/ Meteorology/ Atmospheric science/ Atmospheric physics/ Geophysics (with Meteorology)/Electronics/Radio Physics) from a recognized university or equivalent with at least 60 % marks. OR • Master's degree in Engineering or Technology (Electronics/ Instrumentation/ EEE/ E&T) from a recognized University or equivalent . AND • Seven years relevant experience in atmospheric instrumentation, data related to weather parameters/ atmospheric aerosols/ atmospheric radiation/ cloud precipitation microphysics/land surface parameters. OR • Seven years of experience in running NWP models (like WRF) and use of observations for model validation/improvement
Desirable Qualification	: Doctoral Degree in Science or master's degree in engineering or technology from a recognized University or equivalent. Demonstrated experience in atmospheric instrumentation and usage of data for aerosol, radiation, cloud and precipitation, usage of satellite and reanalysis data sets High quality publications in the SCI index journals Ability to work in group and remote environments
Job Responsibilities	: The selected candidate has to work on to conduct/manage observational campaigns to study aerosol- cloud-precipitation interactions using in-situ and remote sensing instruments. This will involve setup, calibrate, maintain various aerosol instruments, cloud probes, precipitation measuring instruments such as aerosol spectrometers, nephelometer, aethalometer, EC/OC analyser, Aerosol Chemical Speciation Monitor etc), cloud physics equipment's (CCN counter, Cloud probes, Microwave radiometric profiler, Ice Nuceli spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Micro rain radar and rain gauge).

Post Code	:	Post Code-DESK2025-003
Name of the post	:	Project Scientist III
Number of post	:	02 Nos.
Essential Qualification	:	• Doctoral Degree in Atmospheric Sciences/ Meteorology/ Atmospheric and Ocean Sciences/ Oceanography/ Earth Sciences/ Earth System Sciences/ Earth Sciences and Space Applications from a recognized University or Equivalent AND • Seven year experience in research in one or more of the above subjects as evidenced by publication
Desirable Qualification	:	• Research experience supported by publications in relevant topic in good impact journals. • Experience in handling project management and leading groups. • Teaching experiences in relevant subjects in essential qualification.
Job Responsibilities	:	• Contribute to conduct training programs under the DESK program. • Selected candidate is expected to engage in teaching and capacity building activities for DESK program at IITM. • Coordination with MoEs for the international training programs.

Post Code	:	Post Code-WiFEX2025-003
Name of the post	:	Project Scientist – III (WiFEX)
Number of post	:	01 No.
Essential Qualification	:	Master's Degree in Engineering or Technology (Atmospheric Science/ Climate Science/ Earth Science System and Technology/) from a recognized university or equivalent. OR Master's degree in Science with Physics / Mathematics / Atmospheric Sciences/ Climate Science/ Environmental Sciences / Geophysics (Meteorology) / Chemistry or equivalent subjects with minimum 60% marks from a recognized University or equivalent. AND Seven years of experience in Earth Sciences/ Atmospheric regional/global chemistry transport modelling/ model development/ chemical data assimilation/ satellite data analysis relevant to air quality modelling/ experience in handling large atmospheric observations/modelling/ and satellite data and its analysis/ atmospheric chemistry/fog instrumentation
Desirable Qualification	:	• Ph.D. in any of the above subjects. • Experience in running forecasting models (like WRF/WRF-Chem). • Experience in using programming languages (like FORTRAN-90, IDL, C/C++ etc.), meteorological data analysis tools (like (GrADS, FERRET, ARCGIS, NCL, NCO, CDO etc.), and handling large volumes of satellite data like NetCDF, HDF, GRIB etc. • Experience in conducting research and analyzing scientific data, specializing in field experiments and observations. Experience with laboratory experiments and handling of atmospheric chemistry/fog related instruments in the lab/field. • Experience on source apportionment of contaminants (organic and inorganic) in the atmospheric/environmental samples.
Job Responsibilities	:	• Develop the chemical data assimilation for air quality predictions and decision support system for air quality management and/or atmospheric chemistry related measurements/ carry out fog related measurements/modelling for locations anywhere across India. • The candidate should be willing to relocate anywhere in India.

Post Code	:	Post Code -NMM2021-006
Name of the post	:	Project Scientist –III [Development of system for weather (short and medium range), sub-seasonal (extended range) and seasonal (long range) prediction]
Number of post	:	02 Nos.
Essential Qualification	:	• Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences, Earth Sciences, Environmental Sciences or relevant subjects from a recognized University AND • Seven year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields.
Desirable Qualification	:	• Working experience in the installation, debugging, running, postprocessing of numerical weather prediction models (global/regional/coupled systems). The experience should be demonstrated through scientific reports/publications. • Knowledge in Dynamic core for solving dynamics of coupled model • Knowledge in Data assimilation system for atmospheric/ocean models • A good knowledge of global and regional prediction systems, tropical meteorology. Knowledge in programming languages (like FORTRAN-90, C/C++, etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO, Python etc). • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS, etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	• Work on development/improvement in the weather (Short and Medium Range)/ sub-seasonal (extended range)/seasonal ensemble prediction systems and hybrid models. • Working in the group for Data Assimilation in coupled models. • working to the development of new dynamical core in model development.

PROJECT SCIENTIST II

Post Code	:	Post Code -AQEWS2025-001
Name of the post	:	Project Scientist – II (AQEWS)
Number of post	:	01 No.
Essential Qualification	:	Master's Degree in Engineering or Technology (Atmospheric Science/ Climate Science/ Earth Science System and Technology/) from a recognized university or equivalent. OR Master's degree in Science with Physics / Mathematics / Atmospheric Sciences/ Climate Science/ Environmental Sciences / Geophysics (Meteorology) / Chemistry or equivalent subjects with minimum 60% marks from a recognized University or equivalent. AND Three years of experience in Earth Sciences/ Atmospheric regional/global chemistry transport modelling/ model development/ chemical data assimilation/ satellite data analysis relevant to air quality modelling/ experience in handling large atmospheric observations/modelling/ and satellite data and its analysis/ atmospheric chemistry/fog instrumentation.
Desirable Qualification	:	• Ph.D. in any of the above subjects. • Experience in running forecasting models (like WRF/WRF-Chem). • Experience in using Programming languages (like FORTRAN-90, IDL, C/C++ etc.), meteorological data analysis tools (like (Python, MATLAB, GrADS, FERRET, ARCGIS, NCL, NCO, CDO etc.), and handling large volumes of satellite data like NetCDF, HDF, GRIB etc. • Experience in Field campaign for measurement of chemical species and satellite data analysis • Experience in AI/ML for atmospheric chemistry and climate data Develop the chemical data assimilation for air quality predictions and decision support system for air quality management and/or atmospheric chemistry related measurements/ carry out fog related measurements/modelling for locations anywhere across India. • The candidate should be willing to relocate anywhere in India.
Job Responsibilities	:	• Develop the chemical data assimilation for air quality predictions and decision support system for air quality management and/or atmospheric chemistry related measurements/ carry out fog related measurements/modelling for locations anywhere across India. • The candidate should be willing to relocate anywhere in India.

Post Code	:	Post Code-HPC2025-002
Name of the post	:	Project Scientist II – AI/ML Scientist for weather forecast model development
Number of post	:	03 Nos.
Essential Qualification	:	- Master's Degree in Computer/Computational Science, Computer Application, Mathematics (including applied Maths and statistics), Physics and Meteorology with or in other subjects with majors in computing, mathematics, or application to meteorology/ physics/ chemistry minimum 60% marks from a recognised University or equivalent. OR - Bachelor's Degree in Engineering or Technology with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent OR - MS in interdisciplinary studies with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent; AND - Three years experience in : (a) Application/System software or (b) AI/ML model development or (c) HPC System/Network administration.
Desirable Qualification	:	- Doctoral Degree in Science or master's degree in engineering or technology from a recognized University or equivalent. - Good knowledge of basic programming (Fortran, C, C++), Python and/or web technologies and/or Operating systems, parallel file systems & Interconnect technologies. - Prior experience in the development of AI/ML models, such as regression problems. - Good experience in the development of parallel code using high level languages and/or Python. - Sound knowledge of latest Web Technologies and Web Trends - Knowledge of JavaScript and jQuery, HTML5, CSS3, JSON, XML, MySQL, AJAX, PHP, Python - Sound knowledge of NodeJs, Angular JS, OOPs concepts. - Experience in visualization software or development of visualization tools. - Knowledge of HPC Systems Administration would be an added advantage. - Familiarity with AI/ML algorithms (Deep Learning, Generative AI). - Familiarity with dynamic weather prediction models. - Have experience running the foundational models like Graphcast, Fourcastnet, Pangu Weather, FuXI weather, etc.
Job Responsibilities	:	- Development of AI/ML weather prediction models (such as Fourcastnet, Graphcast, etc.) using various machine learning and deep learning methods. - The scientist is expected to develop and implement pure AI and hybrid AI (physics+AI) models. - The scientist is also expected to help in research and development of foundation models for weather and climate prediction. - Development of parallel python routines for data analysis.

Post Code	:	CAIPEEX 2021-002
Name of the post	:	Project Scientist - II (CAIPEEX)
Number of post	:	01 No.
Essential Qualification	:	• Doctoral Degree in Science (Physics/ Instrumentation/ Meteorology/ Atmospheric Sciences/ Atmospheric Physics/ Environmental Science/ Data Science). OR • Master's Degree in Engineering or Technology Electronics / Instrumentation / EEE/Electronics & Telecommunication/ Mechanical/Aerospace/Atmospheric Sciences/Atmospheric Physics) from a recognized University or equivalent. AND Three years of research and development experience in industry, academic institutions, science and technology organisations etc. related to any one of the following: • instrumentation for aerosol measurements/cloud microphysics • radar data analysis/ cloud tracking algorithms • numerical simulation /weather forecasting models • Laboratory fluid dynamics, convection, droplets-in-turbulence experiments.
Desirable Qualification	:	• Experience in handling aerosol observations with CCN counter, Ice nuclei counter, aethalometer, PILS, ACCESS, etc. Physical and chemical characterization of aerosols, Handling Aerosol Mass spectrometers, Upkeep of meteorological instruments, including necessary calibrations and corrections, and participation in field campaigns. Observational data quality control, documentation, analysis, etc. • Analysis of dual polarization radar data and numerical model diagnostics. • Demonstrated experience with large eddy simulation of boundary layers, clouds and convection, aircraft observational data analysis. • Experience with conducting experiments and analysing data from hotwire anemometry, PIV, PDI etc. • Application of data science and artificial intelligence in weather forecasting/ parameterization development.
Job Responsibilities	:	• The candidate will work with several instruments and data collected at the different facilities and sites, conduct numerical simulations and may also be assigned laboratory experimental work.

Post Code	:	Post Code -MAQWS2025-002
Name of the post	:	Project Scientist – II (MAQWS)
Number of post	:	01 No.
Essential Qualification	:	Masters’ Degree in Science with Computer Science / Computer Applications /with minimum 60% marks from a recognized University or equivalent. OR Bachelor degree in Engineering or Technology in Computer Science/IT with minimum 60% marks from a recognized University or equivalent AND Three years of proven experience in Computer Science or similar field.
Desirable Qualification	:	• Adequate knowledge of webpage designing, data uploading • Domain experience in full stack web-application development with latest technologies (PHP, MySQL, JavaScript, Python). • Handling of large volume of data.
Job Responsibilities	:	• Development and maintenance of website and web applications for MAQWS Projects for information dissemination. • Executes assignments with the use of web applications, scripts, and programming languages such as PHP, HTML, CSS, JavaScript, and APIs. • Development and maintenance of Air Quality data repository. • IT responsibilities for conducting MAQWS projects meetings.

Post Code	:	Post Code -MAQWS2025-003
Name of the post	:	Project Scientist – II (MAQWS)
Number of post	:	01 No.
Essential Qualification	:	Master’s degree in Science with Physics / Mathematics / Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology)/ Computer Science / Environmental Science / Project Management with minimum 60% marks from a recognized University or equivalent. OR Bachelor degree in Engineering or Technology in Electronics / Mechanical / Electrical / Electronics and Telecommunications, Environmental Science with minimum 60% marks from a recognized University or equivalent AND Three years of experience in air quality instrumentation, air quality monitoring.
Desirable Qualification	:	• Experience in running AAQMS, calibrating, maintenance. • Experience in data acquisition system and hands on experience with calibration and sample handling units and handling large volumes of AAQMS data. • Knowledge of gas analyzer and air monitoring instruments. • The candidate should be willing to relocate anywhere in India.
Job Responsibilities	:	Supervision and coordination of SAFAR / MAPAN air quality monitoring stations in Mumbai, Pune, Delhi and Ahmadabad, data management.

Post Code	:	Post Code NMM2021-005
Name of the post	:	Project Scientist –II [Development of system for weather (short and medium range), sub-seasonal (extended range) and seasonal (long range) prediction]
Number of post	:	03 Nos.
Essential Qualification	:	• Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences, Earth Sciences, Environmental Sciences or relevant subjects from a recognized University AND • Three-year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields
Desirable Qualification	:	• Working experience with regional/ global/ coupled models, for prediction. • A good knowledge in climate system, tropical meteorology and monsoon processes. The experience should be demonstrated through scientific reports/ publications. • Knowledge in programming languages (like FORTRAN-90, C/C++ etc); • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO, Python etc). • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	• Work on development/improvement in the weather (Short and Medium Range)/ sub-seasonal (extended range)/seasonal ensemble prediction systems • To analyze the model outputs and diagnosing the errors and model performances.

Post Code	:	Post Code -DESK2025-002
Name of the post	:	Project Scientist II
Number of post	:	02 Nos.
Essential Qualification	:	• Doctoral Degree in Atmospheric Sciences/Meteorology/Atmospheric and Ocean Sciences/Oceanography/Earth Sciences/Earth System Sciences/Earth Sciences and Space Applications. AND • 3 years experience in the relevant field.
Desirable Qualification	:	• Research experience supported by publications in relevant topic in good impact journals. • Very good knowledge in Computer programming and data analysis using FORTRAN, Python etc. • Teaching experiences in relevant subjects in essential qualification.
Job Responsibilities	:	• Contribute to conduct training programs under the DESK program • Selected candidate is expected to engage in teaching and capacity building activities, and conducting training workshops

PROJECT SCIENTIST I

Post Code	: CCCR2021-007
Name of the post	: Project Scientist - I
Number of post	: 01 No.
Essential Qualification	: Master's degree in Atmospheric Sciences / Meteorology / Physics / Geophysics / Mathematics with at least 60% marks from recognised University or equivalent. OR Bachelor's degree in Engineering or Technology with minimum 60% marks from a recognized University or equivalent
Desirable Qualification	: • Three years of proven research experience in Atmospheric/ Chemistry/ Observations of Atmospheric gases and aerosols/ chemistry modelling • Experience in a field campaign of chemical species. • Experience in AI/ML modelling. • Modelling of Atmospheric chemistry/chemistry Climate modelling. • Satellite/Balloonsonde data analysis of trace gases and aerosols. • Knowledge of stratospheric process studies will be an advantage. • Knowledge of Python / MATLAB / NCL / NetCDF / GrADS / CDO / UNIX / LINUX System would be an added advantage. • Ability to prepare and submit manuscripts to peer-review journals.
Job Responsibilities	: Participation in field campaign of UTLS Balloonsonde observation or as per instructions by the Project leader / Director IITM. The selected candidate will have to participate in field expeditions at remote locations. Analysis of output of UTLS Balloonsonde data and chemistry –climate model simulations.

Post Code	: HACPL2024-002
Name of the post	: Project Scientist-I to be posted at HACPL, Mahabaleshwar (For ARTs/Radar remote sensing)
Number of post	: 01 No.
Essential Qualification	: • Master's Degree in Science (Physics/ Instrumentation/ Meteorology/ Atmospheric Science/ Electronics/ Radio Physics) with at least 60% marks from a recognized university or equivalent. OR • Bachelor's degree in engineering or technology (Electronics/ Instrumentation/ EEE/ECE/E&T/Radio Physics & Electronics) with at least 60% marks from a recognized University or equivalent.
Desirable Qualification	: • Relevant experience in operations, maintenance, and data analysis of atmospheric instrumentation related to all weather parameters. • Skilled in handling large volumes of data and conversant with data formats such as NetCDF, HDF, etc. • Familiarity with Linux and computer programming languages/tools such as Python, MATLAB, NCL, GrADS, CDO, etc. • Relevant experience with NWP models (e.g., WRF), using observations in models.
Job Responsibilities	: The candidate is expected to work on the following: • Operating, maintaining, calibrating/validating, and troubleshooting a range of atmospheric instruments. • Carrying out routine observations, experimental studies, and focused Intensive Operational Periods (IOPs).

	• Performing large-scale data analysis using platforms such as Python, MATLAB, and related tools. • Utilizing testbed observations to advance the understanding of physical processes. • Actively participate in observational field campaigns.
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Post Code	:	ART_Bhopal2021-006
Name of the post	:	Project Scientist – I (For ARTs/ Atmospheric Instrumentation)
Number of post	:	01No. (To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	• Master’s degree in Science (Physics/ Instrumentation/ Meteorology/ Atmospheric Science/ Electronics/ Radio Physics) with at least 60% marks from a recognized university or equivalent. OR • Master of Engineering (ME) or Master of Technology (MTech) in Electronics / Instrumentation / EEE / Electronics & Telecommunication (Microwave) from a recognized university or equivalent
Desirable Qualification	:	• Relevant experience in operation /maintenance/analysis of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters or satellite retrievals or regional models. • High quality publications in the SCI index journals. • Ability to work in group and remote environments.
Job Responsibilities	:	• The selected candidate has to work on to conduct/manage observational campaigns to study aerosol- cloud-precipitation interactions using in-situ and remote sensing instruments. • This will involve setup, calibrate, maintain various aerosol instruments, cloud probes, precipitation measuring instruments such as aerosol spectrometers, nephelometer, aethalometer, EC/OC analyser, Aerosol Chemical Speciation Monitor etc), cloud physics equipments (CCN counter, Cloud probes, Microwave radiometric profiler, Ice Nuceli spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Micro rain radar and rain gauge).

Post Code	:	HACPL2021-006
Name of the post	:	Project Scientist – I to be posted at HACPL, Mahabaleshwar (For Atmospheric Instrumentation)
Number of post	:	01 No.
Essential Qualification	:	- Master's Degree in Science (Physics/Meteorology/ Atmospheric Science/ Electronics) with at least 60% marks from a recognized university or equivalent. OR - Bachelor Degree in Engineering or Technology (Electronics/ Computer/ IT/ Instrumentation/ ECE/ Civil) with at least 60% marks from a recognized University or equivalent
Desirable Qualification	:	- Relevant experience in operation/maintenance and analysis of data of atmospheric instrumentation relevant to weather parameters like Impact Disdrometer, Micro rain radar, rain gauge, microwave radiometer etc. - High quality publications in SCI Index journals or Conferences - Handling of large volume of data and conversant with data format like NetCDF, HDF etc. - Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	- To analyze the observational datasets of Disdrometer, Micro rain radar, rain gauge, microwave radiometer etc. - To manage the observational systems related to rainfall within and outside Pune

Post Code	:	Post Code-HPC2025-001
Name of the post	:	Project Scientist I – AI/ML Scientist for weather forecast information dissemination and ARDC
Number of post	:	05 Nos.
Essential Qualification	:	Master's degree in Science (Mathematics, Computer Science, Information Technology, Data Science, Data Engineering, Physics, Climate Science, Atmospheric Sciences, Oceanic Sciences, Artificial Intelligence, Machine Learning) with at least 60% marks from a recognized university or equivalent.
Desirable Qualification	:	PhD in any of the following - Mathematics, Computer Science, Information Technology, Data Science, Data engineering, Physics, Climate Science, Atmospheric Sciences, Oceanic Sciences, Artificial Intelligence, Machine Learning. Understanding of weather data and processing. Familiarity with upcoming generative AI models, LLMs, LMMs (like LLAMA, Mistral, etc.). Familiarity with application architectures for large scale production environments. Knowledge of one or more back-end (Django, Node.js, Flask, etc) and front-end (React, Angular, React-native, etc.) frameworks. Experience in creating API's for different data and handling large amounts of data.
Job Responsibilities	:	Development of meteorological applications for weather forecast information dissemination. The Scientist is expected to help develop the front-end and the back end of the application.

Post Code	:	Post Code-ESMPAMC2025-001
Name of the post	:	Project Scientist-I under Project entitled “Study the impact of climate change over Himalayan region using a glacier model integrated with IITM Earth System Model”.
Number of post	:	02 Nos.
Essential Qualification	:	- Master’s Degree in Atmospheric Sciences/ Meteorology/ Oceanography/ Earth and Climate Science/ Climate Science/ Physics/ Mathematics with at least 60% marks from a recognized University or equivalent. OR - Bachelor's Degree in Computer Science/Civil Engineering with at least 60% marks from a recognized University or equivalent.
Desirable Qualification	:	- Experience in ocean modeling/atmospheric modeling/hydrology modeling/remote sensing. - CMIP6/CMIP5 data analysis/cryosphere data analysis - The experience should be demonstrated through scientific reports/publications/book chapters. - Experience in programming languages (like Python, C/C++, etc); Shell scripting is needed.
Job Responsibilities	:	The candidate is expected to work towards the cryosphere modelling using IITM-ESM.
Tenure	:	The initial appointment for these posts will be for a period of 1 year, which may be extended based on performance. The overall project duration is 4 years.

Post Code	:	MAQWS2025-001
Name of the post	:	Project Scientist - I (MAQWS)
Number of post	:	01 No.
Essential Qualification	:	Master’s Degree in Engineering or Technology (Atmospheric Science/ Climate Science/ Earth Science System and Technology/) from a recognized university or equivalent. OR Master’s degree in Science with Physics / Mathematics / Atmospheric Sciences/ Climate Science/ Environmental Sciences / Geophysics (Meteorology) / Chemistry or equivalent subjects with minimum 60% marks from a recognized University or equivalent
Desirable Qualification	:	- Experience in running forecasting models (like WRF/WRF-Chem). - Experience in using programming languages (like FORTRAN-90, IDL, C/C++ etc.), meteorological data analysis tools (like GrADS, FERRET, ARCGIS, NCL, NCO, CDO etc.), and handling large volumes of satellite data like NetCDF, HDF, GRIB etc. - Experience in conducting research and analyzing scientific data, specializing in field experiments and observations. - Experience with laboratory experiments and handling of atmospheric chemistry/fog related instruments in the lab/field. - Experience on source apportionment of contaminants (organic and inorganic) in the atmospheric/environmental samples
Job Responsibilities	:	- Develop the chemical data assimilation for air quality predictions and decision support system for air quality management and/or atmospheric chemistry related measurements/ carry out fog related measurements/modelling for locations anywhere across India. - The candidate should be willing to relocate anywhere in India.

PROJECT MANAGER

Post Code	:	DESK2025-01
Name of the post	:	Project Manager
Number of post	:	01 No.
Essential Qualification	:	- Ph.D. in the fields of Ocean Sciences/ Atmospheric Sciences/ Meteorology/Marine Sciences/ Physics/ Mathematics/ Chemistry/ Environmental Science from a recognized University or equivalent. 20 years of experience in the relevant field.
Desirable Qualification	:	- Experience in Govt/ PSU/ Autonomous bodies with last five years as Director/ Program Director/ Chief Scientist/ Scientist- F or equivalent/ HoD/ Professor Level. - Coordination of various Academic Programs at Post graduate and/ or PhD level. - Experience in heading national and international projects, organizing conferences/ workshop/ training programs. - A short write up less than a page on challenges you have overcome and innovation you made in your immediate past job may be included along with the application with special emphasis on Academic Programs coordinated on Masters or Higher degrees. - Retired officials with relevant experience may also apply.
Job Responsibilities	:	- He/ She will be responsible for project management of Ministry's (MoES) Development of Skilled Manpower in Earth System Science (DESK) functioning at IITM Pune. - Organizing short and medium duration training programs, targeted training program on specific areas, conducting workshops (online/offline) and Planning and Coordination of International PhD program for the ministry (MoES) focusing on BIMSTEC nations

EXECUTIVE HEAD, IMPO

Post Code	:	NMM2021-003
Name of the post	:	Executive Head (For International Monsoons Project Office, (IMPO))
Number of post	:	01 No.
Essential Qualification	:	- Ph.D. in the fields of Ocean/atmospheric sciences/Physics/ Mathematics from a recognized University or equivalent. 10 years' experience in the project management.
Desirable Qualification	:	- Good knowledge of Information Technology (IT) and Computer operation. - Experience in heading national and international projects - Capability of managing Project activities associated with WCRP activities - A short write up less than a page on challenges you have overcome and innovation you made in your immediate past job may be included along with the application - Retired officials with relevant experience may also apply.
Job Responsibilities	:	He/She will be responsible for project management of IMPO activities such as publishing IMPO newsletters, communicating between different organizations of WCRP, conducting review meetings of IMPO activities etc.

SECTION OFFICER

Name of the post	:	Section Officer
Number of posts	:	04 Nos. (SC-1, OBC-1)
Essential Qualification	:	i) Bachelor's degree ii) 5 years administrative / Accounts/ purchase & stores experience (relevant to the post in a Govt. or Semi-Govt. Organization of which at least 3 years should be in a supervisory grade).
Desirable Qualification	:	To deal with all service-related matters i.e. promotion, recruitment/ Accounts/ Purchase & Stores etc. in addition to keep liaison with parent Ministry and dealing with legal matters related to the Institute. Also, any other additional responsibility assigned by HoA/Director.
Job Responsibilities	:	To assist Administrative Officer/Accounts Officer & to look after the Administration section/ Accounts Section.

UPPER DIVISION CLERK

Name of the post	:	UPPER DIVISION CLERK
Number of posts	:	08 Nos. (ST-01, OBC-02, EWS-01)
Essential Qualification	:	i) Bachelor's degree. ii) Knowledge of typing in English with minimum 30 w.p.m. iii) Knowledge of Computers. iv) 5 years experience in Administration /Accounts matters in a Govt. organization.
Desirable Qualification	:	Good command in English and working knowledge of Hindi. One year Diploma in Computer Applications.
Job Responsibilities	:	Day to day Administration/ Accounts related work
SELECTION PROCEDURE	:	Through Written & Typing Test.