

Ministry of Earth Sciences, Government of India
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
Dr. HomiBhabha Road, Pashan, Pune-411008
Advertisement No. PER/01/2021

RECRUITMENT OF VARIOUS PROJECT POSTS PURELY ON 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.

It is proposed to recruit the following posts as detailed below:

Sr. No	Name of Post	Pay	No of posts \$	Age Limit In years
1.	Project Scientist -III	₹ 78,000/- + HRA	17	45
2.	Project Scientist –II	₹ 67,000/- + HRA	37	40
3.	Project Scientist –II [Computer Appli support sc.]	₹ 67,000/- + HRA	01	40
4.	Project Manager	₹ 1,25,000/- consolidated #	01	65
5.	Program Manager	₹ 1,25,000/- consolidated #	01	65
6.	Project Consultant	₹ 78,000/- + HRA#	01	65
7.	Executive Head	₹ 78,000/- + HRA#	01	65
8.	Project Scientist- I [OBC-8, SC-5,ST-2 &EWS-3]	₹ 56,000/- + HRA	33	35
9.	Senior Project Associate [OBC-01]	₹ 42,000/- + HRA	05	40
10.	Training Coordinator	₹ 42,000/- + HRA	01	40
11.	Project Associate-I [SC-1, OBC-03 & EWS-01]	₹ 31,000/- + HRA * ₹ 25,000/- + HRA	13	35
12.	Project Associate-II [SC-1, OBC-02 & EWS-01]	₹ 35,000/- + HRA* ₹ 28,000/- + HRA	10	35
13.	Technical Assistant [SC-1 & OBC-02]	₹ 20,000/- + HRA	08	50
14.	Project Assistant [SC-1 & OBC-02]	₹ 20,000/-+ HRA	09	50
15.	Field worker	₹ 18,000/-+ HRA	02	50
16.	Scientific Administrative Asst.	₹ 18,000/-+ HRA	03	50
17.	UDC (01 for SC and 02 for OBC)	₹ 25,500/-+ HRA	09	28
18.	Section Officer	₹ 44,900/-+HRA	03	35
19.	Project Associate-I [C-DAC sponsored Project]	₹ 31,000/- + HRA	01	35
Total Posts			156	

**[Emoluments for Candidates having NET/CSIR-UGG / GATE or having passed national level examination conducted by Central Govt. Dept. of agencies and Institutions]*

Emoluments in r/o Project Manager, Project Consultant & 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 of one year. Extension of tenure is co-terminous with the project period and subject to the satisfactory performance.
- **Aspiring candidates may submit their applications along with their CV online only: <http://www.tropment.res.in/Careers>**
- **Hard copy of the applications will not be accepted.**
- **Other relevant details about the posts are available under www.tropmet.res.in/Careers Facility for submitting online applications for the posts from Sr. No.1 -7 will commence on 6th July, 2021, 1130 hrs & for the posts from Sr. No.8-19 will commence from 12th July, 2021, 1700 hrs.**

INSTRUCTIONS

1. The last date of submission of online application is **1st August, 2021** The last date is the cut of date for all purposes including age/qualification/experience etc.
2. Only Indian Nationals are eligible to apply.
3. 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 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.
4. No correspondence will be entertained with candidates who are not called for Interview/written examination.
5. Upper age limit is relaxed for SC/ST/ OBC/Physically Handicapped persons/Ex-servicemen as per Government of India norms.
6. Experience for the post of UDC & Section Officer shall mean the experience in the relevant field acquired from Government/ Semi Govt. / PSU/ Autonomous/ Research/ Reputed Organization after obtaining the minimum educational qualification asked for in the said category. Experience claim should be supported by valid documentation.
7. The selection for the posts of UDC shall be on the basis of performance of the screened in candidates in the written test. & skill test The scheme of the written test will be uploaded in the website during August 2021.

8. For other posts selection will be on the basis of performance of the screened in candidates, in the online interview.
9. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each, at the time of joining. Any discrepancies found in the certificate will attract the disqualification of applications. Non production of the original certificates at the time joining will also make the candidate disqualified.
10. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.
11. Essential qualification, experience and age limit can be relaxed at the discretion of the appointing authority in exceptional cases.
12. Doctorate Degree will count as 3 years of experience (in case the doctorate degree is not mentioned as the essential qualification).
13. No TA/DA will be paid for attending the interview/written examination. For SC/ST candidates admissible TA/DA shall be considered as per Government of India orders.
14. CGPA grading is to be converted in percentage.
15. Online application submitted without scanned copies of the certificates will be rejected.
16. Applicants working in Government/ Semi-Government/ Public Sector Undertakings/ Autonomous bodies should apply through proper channel. If application is not routed through proper channel, then the applicant must produce the requisite 'No Objection Certificate' from their employer at the time of interview.
17. Director, IITM reserves the right to fill-up or not to fill up the post advertised without assigning any reasons thereof.
18. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification of candidature. No interm correspondence/inquiry will be entertained.

Post Code	:	CCCR2021-001
Name of the post	:	Project Scientist - III (Climate Data Management and Dissemination)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. Tech / M. Tech in Computer Science / Computer Applications / Mathematics / Applied Mathematics or equivalent subject from a recognized University or equivalent. • Seven years' experience in handling climate data management including hardware and software.
Desirable Qualification	:	<ul style="list-style-type: none"> • Expertise in web application development, climate applications and its integration, development of interactive applications for archival and dissemination of climate data, climate data management, dissemination, and visualization. • Expertise in modern advanced analytics tools and programming, such as Java / J2EE, Python, Shell Scripting, Database, and analysis & visualization tools such as ArcGIS, MATLAB, CDO, Grads, Ferret, R, etc. • Expertise in climate model data processing and performing quality control checks. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Experience with continuous integration / continuous delivery (CI / CD) tools (Jenkins, Git, Docker, Kubernetes) • Regular updates of website contents and participation in new web project.
Job Responsibilities	:	<ul style="list-style-type: none"> • Working knowledge of hardware and software for management of High/Low end servers, database, security and integration tools, interactive software for archival of climate data, climate database management and dissemination using ESGF. • Administration, maintenance, installations, security and support for climate tools • Maintain existing software systems by identifying and correcting software bugs • Working with High Performance Computing Systems (HPCS) • Expertise in Linux and Windows Administration • Review and analyze the requirements and provide technical feasibility and estimates

Post Code	:	CCCR2021-002
Name of the post	:	Project Scientist - III (Climate change hydrological applications and modelling)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the topics (or) • Master's degree in Science in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the subjects with at least 60% marks or equivalent

		(or) Master's degree in Engineering or Technology from a recognized University.
Desirable Qualification	:	<ul style="list-style-type: none"> • Seven years of relevant research experience in climate and hydrological modelling and data processing. • Working knowledge of Statistical preprocessing of climate model outputs for impact assessments, experience in using hydrological models, and designing user oriented applications. • Working knowledge in using scientific programming languages such as MATLAB, Python, FORTRAN, C and analysis tools such as GIS, R, CDO, Grads, NCL etc. • Work experience with various operating systems such as Windows, Unix/Linux etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To prepare reliable climate model outputs for impact studies, set up hydrological model experiments for hydrometeorological applications, and to prepare value added products focusing on user needs.

Post Code	:	CCCR2021-003
Name of the post	:	Project Scientist – III (Development of Future climate Change Scenario and outreach of climate information)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the topics <p>(or)</p> <ul style="list-style-type: none"> • Master's degree in Science in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the subjects with at least 60% marks or equivalent <p>(or)</p> <ul style="list-style-type: none"> • Master's degree in Engineering or Technology from a recognized University. • Seven years' research experience in Climate Dynamics and Variability, Monsoons, Precipitation Extremes, Hydrological Processes, Teleconnections, Paleoclimatic variations, etc using Observations, Reanalysis and Satellite data, Paleoclimatic observations and Climate model outputs.
Desirable Qualification	:	<ul style="list-style-type: none"> • Working knowledge in HPC and experience with operating systems UNIX/LINUX and Windows environment • Conversant in high-level programming languages FORTRAN and C. • Good experience in Statistical Analysis, Data analysis tools viz., MATLAB, GrADS, IDL, NCL, Ferret, R software, GIS tools. • Familiarity with governing dynamical processes associated with weather and climate. • Familiarity with weather and climate modelling/work experience in numerical modelling of ocean/atmosphere general circulation features • Ability to work with large datasets and analyze climate model outputs • Ability to design and conduct coupled general circulation model experiments on supercomputing platforms.

		<ul style="list-style-type: none"> • Familiarity with regional climate downscaling and regional climate information • Familiarity in conducting training courses in climate science, communicating regional climate information.
Job Responsibilities	:	The selected candidate will involve in configuring, executing and analyzing climate model simulations in addition to observational analysis and development of analytical models to investigate climate and monsoon research problems. The selected candidate should have the ability towards development and maintenance of databases, publish the scientific merits of the work in peer-reviewed journals, conduct training, communication and outreach activities related to climate studies.

Post Code	:	CCCR2021-004
Name of the post	:	Project Scientist - II (Hydrometeorology Observations, Soil-Moisture Measurements and Applications)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Master's Degree in Engineering or Technology from a recognized university in Electronics / Instrumentation/ Electrical/Mechanical / Civil/ Energy/ or equivalent subject. • Three years' field experience in working with Hydro-meteorological instruments/sensors.
Desirable Qualification	:	<ul style="list-style-type: none"> • Master's Degree in Engineering with at least 60% marks or equivalent in qualifying degree level and Bachelor's Degree in Engineering or Technology from a recognized University in Electronics/ Instrumentation/ Electrical/ Civil /Energy/ Mechanical Engineering or equivalent subject with at least 60% marks or equivalent at the qualifying degree level. • R&D for up-gradation of Hydro-meteorological observing network and to maintain the observational network. • Expertise in on-field calibration, validation and theoretical analysis for COSMOS probs. • Expertise in installation, operation & maintenance of Technical and scientific Meteorological instruments on observational towers at multiple vertical levels. • 24X7 Energy management, network and communication of real-time observed data at rural/remote areas through web based server. • The calibration and validation of meteorological data set to implement quality control checks for observational data sets and its management. • Conduct scientific research through analysis of hydro-meteorological observations and model outputs of land surface hydrological processes. • Experience in data processing, quality control checks and developing analysis tools • Working knowledge in using scientific programming languages such as FORTRAN, C, good expertise in handling analysis tools such as CDO, Grads, NCL, Ferret, R, GIS etc. • Good knowledge of Electrical/Electronics and scientific research experience.
Job Responsibilities	:	<ul style="list-style-type: none"> • To upgrade test and calibration facility for Hydro-meteorological instruments • Expertise in on-field calibration, validation and theoretical

	<p>processes for COSMOS sensors</p> <ul style="list-style-type: none"> • Development of soil observation sensors network at rural/remote areas for real time validation. • On-filed smart optimization of power supply to maintain site 24x7 in the rural/remote areas. • Conduct scientific research through analysis of Hydro-meteorological observations and model outputs relevant to land surface hydrological processes.
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Post Code	: CCCR2021-005
Name of the post	: Project Scientist – II (High resolution climate modelling over the Third Pole region in the CORDEX FPS framework)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • Doctoral Degree in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the topic (or) Master’s degree in Science Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology as one of the subject with at least 60% marks (or) equivalent (or) Master’s degree Engineering or Technology from a recognized Univeristy or equivalent. • Three years of experience in regional climate modelling
Desirable Qualification	: <ul style="list-style-type: none"> • Working knowledge of handling dynamical downscaling experimental set ups using regional climate models that address specific kilometer scale climate modeling problems. • Working knowledge in using scientific programming languages such as Fortran, C, Python, shell scripting, and analysis software tools such as CDO, NCO, Grads, NCL, , R, Python workflows etc. • Experience in HPC use and parallel computing (multi-threaded applications). • Knowledge of version control systems (git, svn, cvs...). • Knowledge of handling large datasets, and a minimum knowledge of NetCDF data formats. • Ability to prepare and submit manuscripts to peer-review journals.
Job Responsibilities	: <ul style="list-style-type: none"> •The position offered aims at performing and analyzing simulations with regional climate models at different resolutions to assess the relative merits of increasing resolution to better understand the regional characteristics of water cycle and its variabilities and changes over the Third Pole (TP) and adjoining regions. The work will be part of the high resolution climate modelling in the international CORDEX FPS project CPTP http://rcg.gvc.gu.se/cordex_fps_cptp/. CPTP develops high resolution convection permitting simulations (2-4km) using a set

	of coordinated high resolution regional climate downscaling experiments carried out by international participants with a focus on mesoscale convective systems and associated precipitation over the TP region.
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Post Code	: ART_Bhopal2021-001
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	: 02 Nos.
Essential Qualification	: <ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Instrumentation/Meteorology/ Electronics/Radio Physics or Bachelor Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Seven years of relevant experience in the field of (i) operation and maintenance of Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets.
Desirable Qualification	: <ul style="list-style-type: none"> • 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	: The Selected candidate has to work on to conduct/manage observational campaigns to study cloud- precipitation interactions using radars. This will involve radar calibration/validation, operation and maintenance and trouble shooting of radars.

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	: <ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Electronics/Atmospheric Science) or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Seven years relevant experience in (i) operation /maintenance of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters.
Desirable Qualification	: <ul style="list-style-type: none"> • Doctoral Degree in Science or Master’s Degree in Engineering or Technology from a recognized University or equivalent. • Demonstrated experience in atmospheric instrumentation for aerosol, cloud precipitation measuring systems. • 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 Nuclei spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Micro rain radar and rain gauge).
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Post Code	:	ART_Bhopal2021-003
Name of the post	:	Project Scientist - II (For ARTs/ Radar Remote Sensing) (To be posted at ART-CI facility at Silkheda, Sehore District)
Number of post	:	03 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Instrumentation/Meteorology/ Electronics/ Radio Physics) or Bachelor Degree in Engineering and Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks or equivalent. • Three years relevant experience in the field of atmospheric science such as (i) operation and maintenance of Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • High quality publications in SCI index journals in the relevant field • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Ability to work in group and in remote environments. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • Operation and maintenance of scanning Doppler weather radar systems for understanding precipitation and cloud formation processes. • Operation and maintenance of radar wind profilers for understanding vertical profiles of atmosphere and retrieval of wind profiles.

Post Code	:	ART_Bhopal2021-004
Name of the post	:	Project Scientist - II (For ARTs/ Atmospheric Instrumentation) (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Physics/ Electronics/ Instrumentation or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Three years demonstrated experience in atmospheric science (i) operation, maintenance and calibration of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters. (ii) demonstrated experience in participation in observational campaigns and

		interpretation of atmospheric observations.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • High quality publications in SCI index journals in the relevant field • Ability to work in group and in remote environments. • Demonstrated experience in atmospheric instrumentation for aerosol, cloud physics and precipitation measuring systems. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	Operation and maintenance of several aerosol 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 Nuclei spectrometer etc), precipitation measuring systems (Optical, impact and video disdrometers, Microrain radar and raingauge).

Post Code	:	MESONET2021-001
Name of the post	:	Project Scientist - II (For Urban Radar Network in Mumbai) (To be posted in Mumbai)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Instrumentation/Meteorology/ Electronics) or Bachelors Degree Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Three years demonstrated experience in (i) operation and maintenance of Doppler Weather Radars or wind profilers, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage radar network and rain gauge network in Mumbai Metropolitan region • Providing and maintaining all necessary documentation to ensure efficient use of Urban Radar Network

Post Code	:	HACPL2021-001
Name of the post	:	Project Scientist - III (For Atmospheric Instrumentation) (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Physics/ Electronics/ Instrumentation or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE) from a recognized University or equivalent with at least 60% marks. • Seven years of relevant experience in R&D in industrial and Academic Institutions or S&T organizations and scientific activities.
Desirable Qualification	:	• Doctoral Degree in Science or Masters Degree in Engineering or

		<p>Technology from a recognized University or equivalent.</p> <ul style="list-style-type: none"> • Demonstrated experience in atmospheric instrumentation (i) operation /maintenance and calibration of atmospheric instrumentation relevant to atmospheric aerosols, CCN, Ice nuclei and Cloud microphysics. ii) demonstrated experience in participation in observational campaigns. processing and interpretation of atmospheric observations • High quality publication in SCI Index journals.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage observational Systems related to Aerosol, Clouds and ice nuclei measurements • Conduct observational campaigns and archive data sets • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.

Post Code	:	HACPL2021-002
Name of the post	:	Project Scientist – II (For Atmospheric Instrumentation) (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Physics/ Electronics / Instrumentation or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Three years of relevant experience in R&D in industrial and Academic Institutions or S&T organizations and scientific activities (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), precipitation (Impact disdrometer, Video disdrometer, Micro Rain Radar, Rain guage etc) and Radiosonde operation (ii) demonstrated experience in participation in observational campaigns and interpretation of atmospheric observations.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • High quality publications in SCI Index journals. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage observational Systems related to Rain and radiation measurements and operation of radiosonde.

Post Code	:	HACPL2021-003
Name of the post	:	Project Scientist – II (For Atmospheric Instrumentation) (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Electronics/ Physics / Instrumentation/Atmospheric Science) or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks. • Three years demonstrated experience in atmospheric science (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, aerosol physical and chemical properties (Environmental Dust Monitor, Aerosol Chemical Speciation Monitor etc), atmospheric boundary layer, atmospheric profiler (Microwave radiometric profiler, Ceilometer etc). (ii) demonstrated experience in participation in observational campaigns and interpretation of

		atmospheric observations.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent . • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage observational systems related to aerosol physical and chemical properties, atmospheric vertical profiles and boundary layer.

Post Code	:	HACPL2021-004
Name of the post	:	Project Scientist – II (For Atmospheric Chemistry) (To be posted at Mahabaleshwar)
Number of post	:	1 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Chemistry/ Physics/ Atmospheric Sciences from a recognized University or equivalent with at least 60% marks. • Three years of research experience in atmospheric chemistry.Experience in environmental pollution with familiarization in any of the following GC/MS, Aerosol Mass Spectrometry, Ion Chromotograph, Precipitation collector etc.Demonstrated experience in atmospheric chemistry especially aerosol/precipitation.Familiarization and experience in using PILS-IC, GC/MS type equipment and off-line sampling for atmospheric chemistry studies.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • Operation, maintenance and calibration of aerosol and precipitation chemistry equipments • Participation in field campaigns for atmospheric chemistry measurements. • Analysis of aerosol/precipitation chemical composition.

Post Code	:	HACPL2021-005
Name of the post	:	Project Scientist – II (For Atmospheric Chemistry) (To be posted at Mahabaleshwar)
Number of post	:	1 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Chemistry/ Physics/ Atmospheric Sciences from a recognized University or equivalent with at least 60% marks. • Three years of research experience in atmospheric chemistry. Experience in aerosol/gaseous chemistry, black carbon and Volatile Organic Compounds (VOC) with familiarization in the following instruments, OC/EC Analyzer, SP2, Athelometer, PTRMS etc.Demonstrated experience in atmospheric aerosol/gaseous chemistry.Familiarization and experience in off-line sampling for atmospheric chemistry studies.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent . • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • Operation, maintenance and calibration of aerosol chemistry and

		<p>VOC measuring equipments.</p> <ul style="list-style-type: none"> • Participation in field campaigns for atmospheric chemistry measurements. • Analysis of aerosol/gaseous chemical composition, black carbon and VOC data sets.
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Post Code	:	HPC2021-001
Name of the post	:	Project Scientist - III (For High Performance Computing Program)
Number of post	:	02 Nos.
Essential Qualification	:	<p>(i) Master's Degree in Computer/Computational Science, Computer Application, Mathematics (including applied Maths and statistics), Physics and Meteorology or in other subjects with majors in computing, mathematics, or application to meteorology/ physics/ chemistry with minimum 60% marks from a recognised University or equivalent.</p> <p style="text-align: center;">Or</p> <p>Bachelor's Degree in Engineering, Technology with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent;</p> <p style="text-align: center;">And</p> <p>(a) Seven years experience in (a)Application/System software or (b) AI/ML model development or (c) web development or (d) HPC System/Network administration</p>
Desirable Qualification	:	<ul style="list-style-type: none"> • 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. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIBetc. • Experience in development of system software's, tools and applications used in high performance computing environment would be desirable. • Prior experience on the development of AI/ML models, such as regression problems. • Good experience in development of parallel code using high level languages and/or in Python. • Sound knowledge of latest Web Technologies and Web Trends • knowledge of JavaScript and jQuery , HTML5, CSS3, JSON, XML,MySQL, AJAX,PHP,Python, Java, J2EE, MVC, Spring, Spring boot, Hibernate, RESTful API • Sound knowledge of NodeJs, Angular JS,OOPs concepts • Experience on visualization software or development of visualization tools. • Knowledge of HPC Systems Administration would be an added advantage.
Job Responsibilities	:	<p>The project scientist is expected to be involved in some of the following projects</p> <ul style="list-style-type: none"> • Development of AI/ML (deep learning) models for Earth Science problems. • Development and maintenance of atmospheric research data center website. • Development and optimization of weather/climate forecasting

		<p>(dynamical) models on latest supercomputers.</p> <ul style="list-style-type: none"> • Development of 3D visualization libraries for model output data. • To work in the development and troubleshooting of various HPC applications-related issues. To work on the HPC system administration.
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Post Code	:	HPC2021-002
Name of the post	:	Project Scientist - II (For High Performance Computing Program)
Number of post	:	01 No.
Essential Qualification	:	<p>(i) 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.</p> <p style="text-align: center;">Or</p> <p>Bachelor's Degree in Engineering, Technology with minimum 60% marks (equivalent CGPA) from a recognised University or equivalent ;</p> <p style="text-align: center;">And</p> <p>(a) Three years experience in (a) Application/System software or (b) AI/ML model development or (c) web development or (d) HPC System/Network administration.</p>
Desirable Qualification	:	<ul style="list-style-type: none"> • 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 on the development of AI/ML models, such as regression problems. • Good experience in development of parallel code using high level languages and/or in 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 on visualization software or development of visualization tools. • Knowledge of HPC Systems Administration would be an added advantage.
Job Responsibilities	:	<p>The project scientist is expected to be involved in some of the following projects</p> <ul style="list-style-type: none"> • Involve in the development of AI/ML (deep learning) model for Earth Science problems. • Development of parallel python routines for data analysis. • Development and maintenance of atmospheric research data portal website. • Porting and optimization of weather/climate forecasting models on latest supercomputers. • To work on the HPC system maintenance and system administration.

Post Code	: TD2021-001
Name of the post	: Project Scientist -II (For Lightning Network- Data Analysis and Modelling)
Number of post	: 1 No.
Essential Qualification	: <ul style="list-style-type: none"> • M. Sc. in (Physics /Instrumentation /Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with 60% marks. • Three years work experience in projects related to Atmospheric electricity.
Desirable Qualification	: <ul style="list-style-type: none"> • Doctoral Degree in Atmospheric Science or Master's Degree in Engineering or Technology from a recognized University or equivalent; • Working experience with WRF models and experience in lightning parameterisation. • Knowledge of Meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc.). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.
Job Responsibilities	: <ul style="list-style-type: none"> • The selected candidate is expected to analyse lightning network data with respect to losses caused due to it and run WRF model and simulate deep convection cases to find out lightning potential and validate the model output.

Post Code	: TD2021-002
Name of the post	: Project Scientist -II (Thunderstorms and lightning studies)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • M. Sc (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University with atleast 60% marks. • Three years work experience in projects related to thunderstorms and lightning.
Desirable Qualification	: <ul style="list-style-type: none"> • Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent; • Should be well conversant in measurements of various atmospheric electric parameters and analysis using appropriate softwares. • Minimum 3 years demonstrated experience in handling/managing instruments and data analysis related to Lightning and Atmospheric electricity.
Job Responsibilities	: The selected candidate is expected to take care of various instruments operated Atmospheric Electricity/ Ion Observatory and Simulation lab. S/he should participate in various activity of the project and involve in analysis of huge value of available data.

Post Code	: CAIPEEX2021-001
Name of the post	: Project Scientist - III CAIPEEX
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • PhD in Atmospheric Science/Meteorology and Advanced Numerical simulations for cloud physics and cloud seeding using advanced numerical modelling from a recognized University or equivalent.

		<ul style="list-style-type: none"> • Seven years experience in development of a decision support for weather modification research strategic investigations
Desirable Qualification	:	<ul style="list-style-type: none"> • Research experience supported by publications in relevant topics in good impact journals would be an added advantage.
Job Responsibilities	:	<ul style="list-style-type: none"> • Corrections for mixed phase cloud microphysics and rain microphysics (size distributions) of airborne observations and bin microphysical simulations, used for the model diagnostics to carryout bulk model process parameterization development/improvement and to conduct cloud seeding simulations with bin microphysics, radar and aircraft observations of clouds, etc. • Develop a research base decision support system for cloud seeding

Post Code	:	CAIPEEX2021-002
Name of the post	:	Project Scientist –II CAIPEEX
Number of post	:	05 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters degree in (Physics/Instrumentation/Meteorology) or BE /BTech (Electronics/Instrumentation/EEE/Electronics &Telecommunication) from a recognized University or equivalent with at least 60% marks. • Three years work experience in projects related to instrumentation for aerosol measurements/ cloud seeding/cloud microphysics/radar operations and analysis in cloud seeding and cloud tracking algorithms/numerical simulation of cloud seeding and analysis of cloud microphysics/airborne observations.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in handling aerosol observations with CCN counter, Ice nuclei counter, aethalometer, PILS, ACCESS, etc. Physical and chemical characterization of samples collected from airborne observations and from ground based samples • Upkeep of the meteorological instruments, with necessary calibrations and corrections and participate in field campaigns, Observational data quality control, documentation, analysis, etc.. Experience with radiosonde/tethersonde operations, surface meteorological instruments, field campaigns, airborne observations, etc. • Experience with radar operations, TITAN or other product development tools, etc. • Analysis of dual polarization radar data and numerical model diagnostics • Demonstrated experience with large eddy simulation of clouds and convection, aircraft observational data analysis.
Job Responsibilities	:	<ul style="list-style-type: none"> • Flare testing laboratory : setup a laboratory for the seeding material characterization and aerosol CCN and ice nucleation activation studies. Conduct sensitivity experiments in the setup. • Field operation of radiosonde, tethersonde, micrometeorological tower instrumentation, Operation of profiling instruments (Wind profiler, MWRP, wind lidar and sodar) and calibration, data acquisition, correction of data and related data analysis • To operate, calibrate and maintain the C-band radar onsite and ensure continuous operation for cloud seeding experiment, preparation of radar data and products for dissemination and analysis of radar observations.

	<ul style="list-style-type: none"> • Dual polarization radar data analysis and interpretation with numerical simulations, intercomparison studies and development of case studies focussing on mixed phase cloud process. • Carryout Large Eddy Simulation for evaluation of cloud seeding together with airborne and other observational datasets. Preparation of all datasets for simulation sets to address different science questions.
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Post Code	: CAIPEEX2021-003
Name of the post	: Project Scientist -II (For FDL)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • Master degree in Engineering/Technology (Mechanical, Aerospace, Civil, Atmospheric and Oceanic/Space Sciences) or PhD in Science (Physics, Atmospheric and Oceanic/Space Sciences) from a recognized University or equivalent. • Minimum 3 years' experience in fluid dynamics/turbulence/convection experiments, theory and simulations laboratory studies in academics/research in Indian or abroad universities/institutes/organisations
Desirable Qualification	: Experience with laboratory fluid mechanics measurement systems such as hotwire anemometry, PIV/PTV, LIF, BOS, thermal field measurements. Experience with design of experimental setups, conducting experiments, and quality control of the data. Good knowledge of Linux, MATLAB, Python, Fortran, LaTeX, Publications in peer reviewed fluid dynamics/turbulence or equivalent journals.
Job Responsibilities	: Identify science questions of interest to the Fluid Dynamics Laboratory (FDL) at IITM Pune, Design and plan the experiments and experimental setups, maintain measurement systems such as CTA and PIV at FDL, conduct of experiments and data quality checks, data analysis and preparation of publication-quality manuscripts

Post Code	: MAQWS2021-001
Name of the post	: Project Scientist-III (Air quality modelling-Evaluation and improvement of chemical processes)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks recognized University or equivalent. • Seven years of experience in Atmospheric regional/global chemistry transport modelling, satellite data analysis relevant to air quality modelling.
Desirable Qualification	: <ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Post doc experience 1-2 years in the relevant field and knowledge

	<ul style="list-style-type: none"> of atmospheric chemistry • Experience in Chemical Data assimilation - conventional, remote sensing and satellite data • Inverse modelling to estimate emissions • Experience in running air quality forecasting models (like WRF-Chem or CMAQ) and global models (like MOZART etc.) • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications. Knowledge of GIS and spatial application skill
Job Responsibilities	: Scientist has to develop chemical data assimilation system using all types of available data for improving chemical initial conditions and evaluate global and high resolution air quality forecasting system. Design numerical experiments for chemical process studies.

Post Code	: MAQWS2021-002
Name of the post	: Project Scientist-III (Air quality modelling-Evaluation and improvement of physical processes)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks from recognized University or equivalent. • Seven years of experience in Atmospheric regional/global chemistry transport modelling, satellite data analysis relevant to air quality modelling.
Desirable Qualification	: <ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Post doc experience 1-2 years in the relevant field and knowledge of meteorological processes at various time scales • Experience in Data assimilation - conventional, remote sensing and satellite data • AI/statistical/dispersion modelling to study meteorological effect on air quality modification • Experience in running air quality forecasting models (like WRF-Chem or CMAQ) and global models (like MOZART etc.) • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications. Knowledge of GIS and spatial application skill

Job Responsibilities	:	Scientist has to develop meteorological data assimilation system using all types of available data for improving meteorological initial conditions and evaluate global and high resolution air quality forecasting system. Design numerical experiments for physical process studies.
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Post Code	:	MAQWS2021-003
Name of the post	:	Project Scientist- II (Air quality modelling –Analysis of Satellite products)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Geoinformatics/Remote sensing) with at least 60% marks from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in (Statistics/Atmospheric Sciences/ Environmental Sciences/GIS) with at least 60% marks from recognized University or equivalent. • Three years experience in the field - application of statistical techniques/satellite data assimilation in prediction of air quality.
Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Modelling through different techniques such as AI, Neural network, machine learning & other statistical methods • Data retrieval from active remote sensing systems and satellites and analysis relevant for air quality • Experience in running air quality forecasting models (like WRF-Chem or CMAQ) and global models (like MOZART etc.) • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications. Knowledge of GIS and spatial application skill.
Job Responsibilities	:	Scientist has to retrieve and analyze relevant satellite products to evaluate/validate air quality models of various space/time resolutions.

Post Code	:	MAQWS2021-004
Name of the post	:	Project Scientist- II (Air quality instrumentation –Analytical chemistry)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Electronics/Chemical Engineering/ instrumentation) with at least 60% marks from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Chemistry/Physics/Atmospheric Sciences/ Environmental Sciences) with at least 60% marks from recognized University or equivalent. • Three years experience in handling analytical chemistry instruments such as Ion Chromatograph, Elemental detection instruments, Gas chromatograph Mass spectrometers, etc. and source apportionment.

Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Hands on experience with IC, AAS, GC-MS/MS, etc • Good knowledge of atmospheric/environmental chemistry • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications.
Job Responsibilities	:	Scientist is responsible for analysis of air/water samples, quality checks, calibration of instruments; publish results on chemical characterization of air quality and source contributions.

Post Code	:	MAQWS2021-005
Name of the post	:	Project Scientist- II (Atmospheric chemistry modelling)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Atmospheric Sciences/Chemical Engineering/Geoinformatics/Electronics/IT/Computer Science) with at least 60% marks from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Chemistry/Physics/Mathematics/computer science/Atmospheric Sciences/ Environmental Sciences) with at least 60% marks from a recognized University or equivalent • Three years experience in air pollution modelling using global chemistry models.
Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Good knowledge of atmospheric/environmental chemistry • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications. Knowledge of GIS and spatial applications
Job Responsibilities	:	Scientist is responsible for operational forecast of air quality. Design numerical experiments for special events to understand physical and chemical atmospheric processes.

Post Code	:	MAQWS2021-006
Name of the post	:	Project Scientist- II (Emission inventory development)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Geoinformatics/Chemical Engineering/ Electronics/instrumentation) with at least 60% marks from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Chemistry/Physics/Atmospheric Sciences/ Environmental Sciences/Remote Sensing/ GIS) with at least 60% marks from recognized University or equivalent.

		<ul style="list-style-type: none"> • Three years experience in emission inventory development by bottom-up and top-down approaches.
Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D in any of the above subjects would be a desirable qualification. • Hands on experience with statistical data and satellite image analysis using state-of-the art techniques • Expertise in Arc-GIS data extraction and manipulation process • Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc • Knowledge of UNIX/LINUX System , working on high performance computing system • The experience should be demonstrated through scientific reports/publications. Knowledge of GIS and spatial application
Job Responsibilities	:	Scientist is responsible for development of pollution source emission inventory at various spatial and time scales using large volumes of data.

Post Code	:	WiFEX2021-001
Name of the post	:	Project Scientist -III (For WiFEX Project)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) <p style="text-align: center;">OR</p> <p>Master's degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks from recognized University or equivalent.</p> <ul style="list-style-type: none"> • Seven years of experience of data analysis.
Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D. in any of the above subjects. Experience of field experiment. Experience in running forecasting models (like WRF). Experience in using Programming languages (like FORTRAN-90, IDL, C/C++ etc.) Meteorological data analysis tools (like (GrADS, FERRET, ARCGIS, NCL, NCO, CDO etc.) Handling of large volume of satellite data like Net CDF, HDF, GRIB etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will have to coordinate the fog filed experiment, run the forecasting model.

Post Code	:	AQEWS2021-001
Name of the post	:	Project Scientist -III (For AQEWS Project)
Number of post	:	1 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) <p style="text-align: center;">OR</p> <p>Master's degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks from recognized University or equivalent.</p> <ul style="list-style-type: none"> • Seven years of experience in Atmospheric regional/global chemistry transport modeling, satellite data analysis relevant to air quality modeling, experience of handling large atmospheric/modeling, satellite data analysis.
Desirable Qualification	:	<ul style="list-style-type: none"> • 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.) Handling of large volume of satellite data like Net CDF, HDF, GRIB etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • Develop the chemical data assimilation for air quality prediction and decision support system for air quality management

Post Code	:	AQEWS2021-002
Name of the post	:	Project Scientist -II (For AQEWS and WiFEX Project)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) from recognized University or equivalent. <p style="text-align: center;">OR</p> <p>Masters degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks from recognized University or equivalent.</p> <ul style="list-style-type: none"> • 3 years experience in regional chemistry transport modeling, satellite data analysis.
Desirable Qualification	:	<ul style="list-style-type: none"> • Ph.D. in any of the above subjects. Experience in running forecasting models (like WRF-Chem or CMAQ) on high performance computing environment. Experience in using Programming languages (like FORTRAN-90, IDL, C/C++ etc.) Shell scripting, Meteorological data analysis tools (like (GrADS, FERRET, ARCGIS, NCL, NCO, CDO etc.) Handling of large volume of satellite data like Net CDF, HDF, GRIB etc. Experience in development of system software, tools and applications used in high performance computing environment. • Experience in using Programming languages (like FORTRAN-90, IDL, C/C++ etc.)
Job Responsibilities	:	<ul style="list-style-type: none"> • The candidate will have to conduct the experiments related to fog in Delhi and work on the model development.

Post Code	:	DESK2021-001
Name of the post	:	Project Scientist-III (Ecosystem Modelling with linkage to Fisheries)
Number of post	:	1 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M.Sc. in Fishery Oceanography/Fishery Science/MFSc./Industrial Fisheries/Marine Biology from a recognized university or equivalent with at least 60% marks. • Seven year experience in relevant field.
Desirable Qualification	:	<ul style="list-style-type: none"> • PhD in any of the above subjects • Experience in Indian Ocean coastal fisheries, Fishery resource management, Potential fishing grounds, observations, interpretation OR computer based techniques to identify potential fishery resources of Indian coastal waters, fish landing, trends and climate change impacts. • Research experience supported by publications in relevant topic in good impact journals. • Very good knowledge in Computer programming using FORTRAN and data analysis softwares such as NCL, FERRET and CDO. • Teaching experiences in relevant field of ocean biogeochemistry, marine biology, ocean ecosystem and fisheries
Job Responsibilities	:	<ul style="list-style-type: none"> • Work with scientists to couple dynamical ecosystem prediction model to fish and fisheries for potential fishery zone prediction around Indian coastal waters.

	<ul style="list-style-type: none"> • Provide inputs and develop research to identify relation between trends in Indian Ocean fisheries and climate change and its impacts. • Selected candidate is expected to engage in teaching and R & D activities of Development of skilled manpower (DESK), Ministry's Research Fellow programme(MRFP) and other training program at IITM.
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Post Code	: DESK2021-002
Name of the post	: Project Scientist-II (Modeling studies of Indian Ocean Biogeochemistry, Fisheries, Carbon Cycle and Ocean Acidification)
Number of post	: 1 No.
Essential Qualification	: <ul style="list-style-type: none"> • M.Sc. in Physics/ Atmospheric Sciences/ Meteorology/ Geophysics(Meteorology)/ Fishery Oceanography/ Fishery Science/ MFSc./ Industrial Fisheries/Marine Biology/ Oceanography/Hydrochemistry/Earth Science from a recognized university or equivalent with at least 60% marks. • Three years experience in relevant field.
Desirable Qualification	: <ul style="list-style-type: none"> • PhD in any of the above subjects • Experience in Ocean General Circulation models with focus on Ocean Biogeochemistry, Ocean ecosystem models & Carbon Cycle. • Research experience supported by publications in relevant topic in good impact journals. • Very good knowledge in Computer programming using FORTRAN and data analysis softwares such as NCL, FERRET and CDO. • Teaching experiences in relevant field of ocean and atmospheric sciences
Job Responsibilities	: <ul style="list-style-type: none"> • Development of Extended Range forecast of ocean biogeochemical variables from ERPAS of IITM • Ecosystem variability of ocean, linkage to fisheries. • Selected candidate is expected to engage in teaching and R & D activities of DESK, MRFP and other training program at IITM.

Post Code	: DESK2021-003
Name of the post	: Project Scientist-II (Climate Variability, Prediction & Fluid Dynamics)
Number of post	: 02 Nos.
Essential Qualification	: <ul style="list-style-type: none"> • A Masters Degree in Atmospheric Science/ Meteorology/ Oceanography/ Physics/Mathematics/Geophysics or B.E./B.Tech from a recognized University or equivalent with at least 60% marks. • Three years of experience of research in coupled ocean atmosphere modelling or decadal prediction or monsoon prediction or ocean modelling or climate variability and analysis or turbulence and fluid dynamics.
Desirable Qualification	: <ul style="list-style-type: none"> • Teaching Experience in relevant filed of ocean/atmospheric sciences • PhD in Atmospheric/Meteorology/Oceanography or equivalent • M.Tech in Atmospheric Sciences or Physical Oceanography • Good track record of peer reviewed publications in high impact journals

		<ul style="list-style-type: none"> Working knowledge in Coupled Ocean Atmosphere General Circulation Models and/or Ocean General Circulation Models. Experience in Programming languages (like FORTRAN-90, C/C++ etc.), Shell scripting,; Meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc.) Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc.
Job Responsibilities	:	<ul style="list-style-type: none"> To develop a decadal prediction system for monsoon prediction Selected candidates are expected to engage in teaching activities of Training program under Development of skilled manpower (DESK) in addition to the R&D in relevant scientific groups in line with the essential qualifications mentioned.

Post Code	:	DESK2021-004
Name of the post	:	Program Manager
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> Ph.D. in the fields of Ocean Sciences/Atmospheric Sciences/Marine Sciences from a recognized University or equivalent. 20 years' experience in relevant field.
Desirable Qualification	:	<ul style="list-style-type: none"> Experience in Govt/PSU/Autonomous bodies with last five years in Director or Program Director or Chief Scientist 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	:	<ul style="list-style-type: none"> 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.

Post Code	:	NMM2021-001
Name of the post	:	Project Manager
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> Ph.D. in the fields of Ocean/atmospheric sciences from a recognized University or equivalent. 20 years' experience in project management.
Desirable Qualification	:	<ul style="list-style-type: none"> Good knowledge of Information Technology (IT) and Computer operation. Experience in heading national and international projects 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

		<ul style="list-style-type: none"> Retired officials with relevant experience may also apply.
Job Responsibilities	:	<ul style="list-style-type: none"> He/She will be responsible for project management of Monsoon Mission. Organizing review meetings keeping records of project funds under Monsoon mission etc.

Post Code	:	NMM2021-002
Name of the post	:	Project Consultant (For Monsoon Mission)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> Ph.D. in the fields of Ocean/atmospheric sciences from a recognized University or equivalent. 10 years' experience in the project management.
Desirable Qualification	:	<ul style="list-style-type: none"> Good knowledge of Information Technology (IT) and Computer operation. 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	:	<ul style="list-style-type: none"> He/She will be responsible for guiding/carrying out research projects relevant to Monsoon Mission activities such as improvement of monsoon mission models, development of application tools based on monsoon forecasts etc.

Post Code	:	NMM2021-003
Name of the post	:	Executive Head (For International Clivar Monsoon Project Office, ICMPO)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> Ph.D. in the fields of Ocean/atmospheric sciences from a recognized University or equivalent. 10 years' experience in the project management.
Desirable Qualification	:	<ul style="list-style-type: none"> 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	:	<ul style="list-style-type: none"> He/She will be responsible for project management of ICMPO activities such as publishing ICMPO news letters, communicating between different organizations of WCRP, conducting review meetings of ICMPO activities etc.

Post Code	:	NMM2021-004
Name of the post	:	Project Scientist -III (Model development and data assimilation)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> Doctoral Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Electronics/Mathematics or Master's degree in Engineering or Technology from a recognized University or equivalent. 7 year experience of research in Atmospheric

		Science/Oceanography/Climate Sciences or allied fields.
Desirable Qualification	:	<ul style="list-style-type: none"> • Basic knowledge in model code handling and parameterization of different atmospheric processes and their representation in general circulation models. Working knowledge of Atmospheric, Oceanic and Coupled General Circulation Models and issue related to porting, installation and troubleshooting of dynamical models in HPC. The experience should be demonstrated through scientific reports/publications.. • Experience in using programming languages (like FORTRAN-90, C/C++ etc); Shell scripting is needed. Ability to write and prepare model code using program language and shellscripts. • Knowledge of parallel computing and porting general circulation models on the high-performance computer architectures. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • A knowledge in meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO 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	:	Scientists will be responsible for handling the model codes, its debugging, parameterization of processes in the coupled models, data assimilation etc for prediction purpose.

Post Code	:	NMM2021-005
Name of the post	:	Project Scientist -II (Model diagnostics)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or Master's degree in Engineering or Technology from a recognized University or equivalent • 3 year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields
Desirable Qualification	:	<ul style="list-style-type: none"> • A good knowledge in climate system and coupled models for prediction. 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 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	:	To analyze the model outputs and diagnosing the errors and model performances.

Post Code	:	NMM2021-006
Name of the post	:	Project Scientist II (Development of extended range prediction system)
Number of post	:	02 Nos.

Essential Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or Master's degree in Engineering or Technology from a recognized University or equivalent • 3year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields
Desirable Qualification	:	<ul style="list-style-type: none"> • A good knowledge in climate processes and their representation in Models as indicated by research publications. • Knowledge in programming languages (like FORTRAN-90, C/C++ etc); Shell scripting and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO 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	:	<ul style="list-style-type: none"> • Scientist will be working on model running and development of system for extended range prediction using coupled model and modification as needed for monsoon prediction.

Post Code	:	NMM2021-007
Name of the post	:	Project Scientist II (Application development for agriculture, hydrology / wind energy/ solar power sectors)
Number of post	:	03 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Agriculture/Agricultural meteorology/ Hydrology/Hydrometeorology or Master's degree in Engineering or Technology from a recognized University or equivalent. • 3 year experience of research in Atmospheric Science/Oceanography/Climate Sciences or allied fields.
Desirable Qualification	:	<ul style="list-style-type: none"> • A good understanding about the role and usefulness of climate services in agriculture, hydrology, wind energy, solar power etc. The experience should be demonstrated through scientific reports/publications.. • Knowledge in programming languages (like FORTRAN-90, C/C++ etc); Shell scripting, GIS and meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc). • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Ability to work in large groups. • A good writing and communicating skill is needed. • Knowledge of UNIX/LINUX System Administration would be an added advantage • Expertise in AI/ML techniques relevant to weather and climate sciences
Job Responsibilities	:	Scientist will be responsible for developing application for the use of agricultural, hydrology, wind energy and solar power sectors.

Post Code	: NMM2021-008
Name of the post	: Project Scientist-II (Computer Application Supporting Scientist)
Number of post	: 01 No.
Essential Qualification	: <ul style="list-style-type: none"> • Master in computer applications (MCA)/ B.E./ B. Tech (computer Science)/IT from a recognized University or equivalent with atleast 60% marks. • 3 year in field of IT/Computer/Science and similar field
Desirable Qualification	: <ul style="list-style-type: none"> • Adequate knowledge of webpage designing, data uploading, porting software etc. • Working knowledge in Atmospheric, Oceanic and coupled general circulation models and issue related to porting, installation and troubleshooting of dynamical models in HPC. • Experience in using programming languages (like FORTRAN-90, C/C++ etc); Shell scripting is needed. Ability to write and prepare model code using programme language and shell scripts. • Knowledge of parallel computing and porting general circulation models on the high performance computer architectures. • 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	: Development of webpage for monsoon mission, handling model output large volume data and supporting to dismantle the applications developed by the mission.

Post Code	: NMM2021-009
Name of the post	: Project Scientist - II (for development of High resolution Global (6km) short range ensemble prediction system)
Number of post	: 02 Nos.
Essential Qualification	: <ul style="list-style-type: none"> • Doctoral Degree in atmospheric Science/ Meteorology/ Oceanography/ Physics/Geophysics(Meteorology) or Master's degree in Engineering or Technology from a recognized University or equivalent. • 3 years of experience of research in Atmospheric and or Oceanic Sciences.
Desirable Qualification	: <ul style="list-style-type: none"> • Research Experience supported by peer reviewed publications in good impact journals would be an added advantage. • Working knowledge of Atmospheric General Circulation Models. • Experience in using Programming languages (like FORTRAN-90, C/C++ etc.), Shell scripting,; • Meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc.) • Handling of large volume of data and conversant with data

		<p>format like NetCDF, HDF, GRIB etc.</p> <ul style="list-style-type: none"> • Ability to work in large groups. • Knowledge of UNIX/LINUX System Administration would be an added advantage. • The Selected candidates have to work on improvement of high resolution GEFS short range forecast. • Expertise in AI/ML techniques relevant to weather and climate sciences.
Job Responsibilities	:	<ul style="list-style-type: none"> • The Selected candidates have to work on the implementation/improvement/configuration of short range prediction using high resolution Global Ensemble Forecast System (GEFS).

Post Code	:	CCCR2021-006
Name of the post	:	Project Scientist-I (Paleoclimate reconstruction using proxy records)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Master's degree in Physics/Geology/Earth Science/Geophysics/Analytical Chemistry with at least 60% marks from a recognized University. <p style="text-align: center;">or</p> <ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology in the above mentioned subjects with at least 60% marks from a recognized University.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in geochemical analytical techniques, geochemical sample processing and analysis, lab maintenance. • Experience in operation of geochemical analytical instruments such as ICP-MS, IRMS, etc • Working knowledge of Computer, MS office, handling of geochemical data sets
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will be involved in sample preparation, geochemical analysis of speleothem, tree ring, sediments, water samples, etc on ICPMS & IRMS and participate in field trips. The selected candidate will be involved in lab maintenance, data handling, preparing reports, etc.

Post Code	:	CCCR2021-007
Name of the post	:	Project Scientist-I (Tall tower GHG monitoring activities in Bhopal and Climate reference measurement network in India)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Master's degree in Physics/Meteorology/Geophysics/Atmospheric Sciences/Earth Science/ Statistics/Mathematics/Environmental Sciences/ Oceanography/ Chemistry, etc. with minimum 60% marks from a recognized University or equivalent. <p style="text-align: center;">or</p> <ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology with minimum 60% marks from a recognized University or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Knowledge of operating Atmospheric instrumentation/ sensors, instrument installation and maintenance, calibration, fieldwork experience, etc. • Working knowledge of any of scientific programming languages and software tools such as Python, Fortran, CDO, Grads, NCL, R, etc. Knowledge of handling datasets in various formats such as ASCII/NetCDF, etc. Knowledge of data quality control.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will work on CCCR-IITM observational activities 1) greenhouse gases (GHG) monitoring using a tall tower near Bhopal, GHG monitoring activities at IITM Pune, and elsewhere, etc. 2) Climate reference measurement network in India, etc., or as per instructions by the Project Leader / Director IITM. The selected candidate will have to participate in field expeditions at remote locations.

Post Code	:	CCCR2021-008
Name of the post	:	Project Scientist-I (Metflux Project Observations and Data Analysis)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Master's degree in Physics/Meteorology/Geophysics/Atmospheric Sciences/ Statistics/Mathematics/Environmental Sciences/ Oceanography/ Chemistry, etc. with minimum 60% marks from a recognized University or equivalent. <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology with minimum 60% marks from a recognized University or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • A minimum of 2 years of research experience after Master's degree; familiarization of meteorological observations using infra-red gas analyzer sensor, weather sensor, etc. • Working knowledge of eddy-covariance technique, isotopic analysis of GHGs, water etc. Knowledge of handling large datasets in various formats such as ASCII/NetCDF, etc. • Working experience in data processing software, field environment, experience in scientific administration and supervision.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will work on Metflux Project observational activities, Candidate needs to participate in different kind of field expeditions. • The selected candidate is required to aquire, curate and handle micro-meteorological and other observational data.

Post Code	:	CCCR2021-009
Name of the post	:	Technical assistant (Soil moisture measurements)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Sc in IT/Mathematics/Physics or equivalent <p style="text-align: center;">or</p> <ul style="list-style-type: none"> • Three year Diploma in Electronics/Instrumentation/IT or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Working knowledge for handling and maintaining observational instruments, telecommunicaiton, computer, software, technical skill etc. • Field work experience in handling Data transmission and data management.
Job Responsibilities	:	<ul style="list-style-type: none"> • Daily monitoring of instruments and power supply, data transmission and data management, assistance in networking, field work and maintance of instruments, calibration and validation of instruments The candidate will have to participate in field campaigns outside Pune or as per instructions from the Project Leader / Director IITM.

Post Code	:	CCCR2021-010
Name of the post	:	Technical Assistant (GHG observations)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Sc in IT/Mathematics/Physics/Chemistry or equivalent <p style="text-align: center;">or</p> <ul style="list-style-type: none"> • Three-year Diploma in Electronics/Instrumentation/IT or equivalent
Desirable Qualification	:	<ul style="list-style-type: none"> • Working Knowledge of instruments (preferably atmospheric monitoring instruments/sensors), handling and maintaining of laboratory, knowledge of computers such as Windows OS, etc.

		Knowledge of basic data handling, Fieldwork experience, etc.
Job Responsibilities	:	<ul style="list-style-type: none"> The selected candidate will work on greenhouse gases (GHG) monitoring activities at the IITM Pune, maintenance of instruments and laboratory, etc. The candidate will have to participate in field campaigns outside Pune OR as per instructions from the Project Leader / Director IITM.

Post Code	:	CCCR2021-011
Name of the post	:	Technical Assistant (Reactive Trace Gases observations)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> B.Sc in IT/Mathematics/Physics or equivalent or Three-year Diploma in Electronics/Instrumentation/IT or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> Basic knowledge of instrumentation, fieldwork experience and programming knowledge of MATLAB/Python.
Job Responsibilities	:	<ul style="list-style-type: none"> The selected candidate will work on reactive trace gas observations using a differential optical absorption spectroscopy instrument and will have to participate in field campaigns in India, on ships and/or in Antarctica or as per instructions from Project Leader/Director IITM. Candidate will provide technical support to the Paleoclimate Lab at IITM campus whenever required.

Post Code	:	CCCR2021-012
Name of the post	:	Technical Assistant (Isotope Geochemist - observtion and data analysis)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> B.Sc. with Physics/ Chemistry/ Electronics/ Geophysics or Three-year Diploma in Electronics/Instrumentation.
Desirable Qualification	:	<ul style="list-style-type: none"> Working knowledge in sophisticated atmospheric instruments used for stable isotope measurements. Experience in maintenance and troubleshooting of electronic circuits/components/ control panels of sophisticated equipments is desired. Basic programming knowledge for atmospheric data analysis.
Job Responsibilities	:	<ul style="list-style-type: none"> The selected candiadate will work on routine analysis of various natural archieves (water, vapour, tree ring etc), maintainance and troubleshooting of atmospheric instruments (i,e Laser water vapour isotope analyzer etc). The candiadte will also involve in data analysis and participate in various field trips or as per instructions from Project Leader/Director IITM. Candidated will provide technical support to the Paleoclimate Lab at IITM campus whenever required.

Post Code	:	CCCR2021-013
Name of the post	:	Technical Assistant (Balloonsonde observations)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> B.Sc in IT/Mathematics/Physics or equivalent or Three-year Diploma in Electronics/Instrumentation/IT or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> Basic Knowledge of atmospheric instrumentation/sensors, installation, validation, calibration, lab maintenance, Fieldwork

		<p>experience, etc.</p> <ul style="list-style-type: none"> • Knowledge of basic softwares for handling datasets, minimum knowledge of various data formats, data quality control check, etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will work on high altitude spacial balloonsonde monitoring activities at the IITM and will have to participate in field campaigns or as per instructions from Project Leader/Director IITM.

Post Code	:	CCCR2021-014
Name of the post	:	Field Worker (COSMOS project and other CCCR observational activities)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Graduation in any discipline.
Desirable Qualification	:	<ul style="list-style-type: none"> • Basic Knowledge of atmospheric instrumentation/sensors, field experience in remote areas.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will work at the COSMOS project sites as well as other observational activities at CCCR OR as per instructions from Project Leader/Director IITM

Post Code	:	CCCR2021-015
Name of the post	:	Field Worker (Metflux Project Field Observation)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Graduation in any discipline.
Desirable Qualification	:	<ul style="list-style-type: none"> • Basic Knowledge of atmospheric instrumentation/sensors, field experience in remote areas.
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate will work on the eddy-covariance activity such as data aquisition, sensor troubleshooting, at tower site of Kaziranga National Park, Assam and other places as per the requirment.

Post Code	:	ART_Bhopal2021-005
Name of the post	:	Project Scientist - I (For ARTs/ Radar Remote Sensing)
Number of post	:	02 Nos. (To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/Meteorology/ Atmospheric Science/ Electronics/Radio Physics) or Batchelor Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in the field of (i) Doppler Weather Radars or radar wind profilers, ii) processing, analysis and interpretation of Doppler weather radar or Radar wind profiler data sets. • 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	:	The Selected candidate has to work on to conduct/manage observational campaigns to study cloud- precipitation interactions using radars. This will involve radar calibration/validation, operation and maintenance and trouble shooting of radars.
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Post Code	:	ART_Bhopal2021-006
Name of the post	:	Project Scientist - I (For ARTs/ Atmospheric Instrumentation)
Number of post	:	02Nos. (To be posted at ART-CI facility at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	<ul style="list-style-type: none"> •Masters Degree in Science (Physics/ Electronics/Atmospheric Science) or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent. • Demonstrated Experience in (i) operation /maintenance of atmospheric instrumentation relevant to weather parameters or atmospheric aerosols or atmospheric radiation or cloud precipitation microphysics or land surface parameters. • 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	:	ART_Bhopal2021-007
Name of the post	:	Project Associate - II (For ARTs/ Radar remote sensing)
Number of post	:	02 Nos. (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	<ul style="list-style-type: none"> •Masters Degree in Science (Atmospheric Science) or Bachelors Degree in Engineering or Technology (Electronics/Instrumentation/E&TC) from a recognized University or equivalent. •Two years experience in relevant field of electronics and instrumentation maintenance.
Desirable Qualification	:	Experience in Electronics and Atmospheric Instrumentation in research lab/industries
Job Responsibilities	:	To Assist in Radar operations and maintenance at ART-CI Facility in Madhya Pradesh

Post Code	:	ART_Bhopal2021-008
Name of the post	:	Project Associate - I (For ARTs/Electrical Engineer)

Number of post	:	01 No. (To be posted at ART-CI facility at Silkheda, Sehore District)
Essential Qualification	:	• Bachelor Degree in Engineering or Technology (EEE/E&TC) from a recognized University or equivalent
Desirable Qualification	:	Experience in maintenance of HT sub-station
Job Responsibilities	:	To maintain electrical sub-station and other electrical facilities in the site.

Post Code	:	ART_Bhopal2021-009
Name of the post	:	Project Associate - I (For ARTs/ Mechanical)
Number of post	:	01 No. (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	• Bachelors Degree in Engineering or Technology (Mechanical) from a recognized University or equivalent
Desirable Qualification	:	• Experience in scientific/research equipment installation • Experience in HVAC Systems
Job Responsibilities	:	To help installation of scientific equipment in observatory and tall tower and its instrument maintenance.

Post Code	:	ART_Bhopal2021-010
Name of the post	:	Project Associate - I (For ARTs-Instrumentation)
Number of post	:	01 No. (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	• Bachelors Degree in Engineering or Technology (Electronics/Instrumentation) from a recognized University or equivalent.
Desirable Qualification	:	• Experience in scientific/research equipment installation • Experience in measurement campaigns
Job Responsibilities	:	To help installation of scientific equipment in observatory and tall tower and its instrument maintenance.

Post Code	:	ART_Bhopal2021-011
Name of the post	:	Technical Assistant (For ARTs-Instrumentation)
Number of post	:	02 Nos. (To be posted at Silkheda, Sehore District, 50 km from Bhopal)
Essential Qualification	:	• Bachelors Degree in Science (Physics/Chemistry) or 3 years Diploma in Engineering or Technology (Electronics/Electrical) from a recognized University or equivalent
Desirable Qualification	:	To work in remote environment
Job Responsibilities	:	To help in maintenance of scientific equipments

Post Code	:	ART_Bhopal2021-012
Name of the post	:	Upper Division Clerk
Number of post	:	01 No. [To be posted at Silkheda, Sehore District, 50 km from Bhopal]
Essential Qualification	:	• Bachelor's degree from a recognised university. • Basic Knowledge of Computer operation • 3 years experience in Administration /Accounts/Purchase matters in Government organization/Autonomous body/PSU in PB-1 GP 1900 or its equivalent
Desirable Qualification	:	Good command in English and working knowledge of Hindi. One year Diploma in Computer Application.
Job Responsibilities	:	Day to day administration related work

Post Code	:	MESONET2021-002
Name of the post	:	Project Scientist – I (For Urban Radar Network in Mumbai)
Number of post	:	01 Post (To be posted in Mumbai)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Instrumentation/Meteorology/ Electronics) or Bachelors Degree Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Demonstrated experience in (i) operation and maintenance of Doppler Weather Radars or wind profilers, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage radar network and rain gauge network in Mumbai Metropolitan region. • Providing and maintaining all necessary documentation to ensure efficient use of Urban Radar Network.

Post Code	:	MESONET2021-003
Name of the post	:	Project Associate – II (For Urban Radar Network in Mumbai)
Number of post	:	01 No. (To be posted in Mumbai)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Instrumentation/ Meteorology/ Electronics) or Bachelors Degree Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent. • Two years experience in (i) operation and maintenance of Doppler Weather Radars, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS, CDO etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To monitor and maintain radar network and rain gauge network in Mumbai Metropolitan region • Maintaining all necessary documentation to ensure efficient use of Urban Radar Network.

Post Code	:	MESONET2021-004
Name of the post	:	Project Associate – I (For Urban Radar Network in Mumbai)
Number of post	:	02 Nos.

		[To be posted one in Mumbai and another in Pune]
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Instrumentation/Electronics/Atmospheric science/Meteorology) or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in (i) operation and maintenance of Doppler Weather Radars, ii) handling of Doppler weather radar or Radar wind profiler data sets, or iii) experience in maintenance of urban rain gauge network • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Handling of large volume of data and conversant with data format like NetCDF, HDF, GRIB etc. • Familiarity with Linux and computer programming like Python, MATLAB, NCL, GrADS,CDO etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To monitor and maintain radar network and rain gauge network in Mumbai Metropolitan region and web data portal. • Maintaining all necessary documentation to ensure efficient use of Urban Radar Network and rain gauge network.
Post Code	:	HACPL2021-006
Name of the post	:	Project Scientist - I (For Atmospheric Instrumentation)
Number of post	:	02 Nos. (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Electronics / Atmospheric Science) or Batchelors Degree. in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Relevant experience in (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), precipitation (Impact disdrometer, Video disdrometer, Micro Rain Radar, Rain guage etc) and Radiosonde operation (ii) demonstrated experience in participation in observatonal campaigns and interpretation of atmospheric observations. • High quality publications in SCI Index journals. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage observational Systems related to Rain and radiation measurements and operation of radiosonde.

Post Code	:	HACPL2021-007
Name of the post	:	Project Scientist - I (For Atmospheric Instrumentation)
Number of post	:	01 No. (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Electronics/ Physics / Instrumentation/Atmospheric Science) or Bachelors Degree in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent with at least 60% marks.

Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Demonstrated experience in atmospheric science (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, aerosol physical and chemical properties (Environmental Dust Monitor, Aerosol Chemical Speciation Monitor etc), atmospheric boundary layer, atmospheric profiler (Microwave radiometric profiler, Ceilometer etc). (ii) demonstrated experience in participation in observational campaigns and interpretation of atmospheric observations with peer-reviewed journal publications. • Handling of large volume of data and conversant with data format like NetCDF, HDF etc.
Job Responsibilities	:	<ul style="list-style-type: none"> • To manage observational systems related to aerosol physical and chemical properties, atmospheric vertical profiles and boundary layer.

Post Code	:	HACPL2021-008
Name of the post	:	Project Scientist - I (For Atmospheric Chemistry)
Number of post	:	1 Nos. (To be posted at Mahabaleshwar)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Chemistry/ Physics/ Atmospheric Sciences from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Research experience in atmospheric chemistry. • Experience in environmental pollution with familiarization in any of the following GC/MS, Aerosol Mass Spectrometry, Ion Chromatograph, Precipitation collector etc. • Demonstrated experience in atmospheric chemistry especially aerosol/precipitation. • Familiarization and experience in using PILS-IC, GC/MS type equipment and off-line sampling for atmospheric chemistry studies.
Job Responsibilities	:	<ul style="list-style-type: none"> • Operation, maintenance and calibration of aerosol and precipitation chemistry equipments • Participation in field campaigns for atmospheric chemistry measurements. • Analysis of aerosol/precipitation chemical composition.

Post Code	:	HACPL2021-009
Name of the post	:	Project Associate - II (For Atmospheric Instrumentation)
Number of post	:	1 Nos. (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Electronics / Atmospheric Science) or Bachelors Degree. in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent. • Two years experience in the relevant field.
Desirable Qualification	:	Experience in (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), precipitation (Impact disdrometer, Rain gauge etc) and Radiosonde operation.
Job Responsibilities	:	<ul style="list-style-type: none"> • To Assist in maintenance and operation of atmospheric instruments

Post Code	:	HACPL2021-010
Name of the post	:	Project Associate – I (For Atmospheric Instrumentation)
Number of post	:	1 Nos. (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics/ Electronics / Atmospheric Science) or Bachelors Degree. in Engineering or Technology (Electronics / Instrumentation/ EEE/E&T) from a recognized University or equivalent.
Desirable Qualification	:	Experience in (i) operation /maintenance and calibration of atmospheric instrumentation relevant to weather parameters, atmospheric radiation (Radiation sensors, Sun Photometer, MFRSR), precipitation (Impact disdrometer, Rain guage etc) and Radiosonde operation.
Job Responsibilities	:	<ul style="list-style-type: none"> • To Assist in maintenance and operation of atmospheric instruments

Post Code	:	HACPL2021-011
Name of the post	:	Project Associate – I (For Electrical and Instrumentation Installation works)
Number of post	:	1 Nos. (To be posted at Mahabaleshwar, Satara District, Maharashtra)
Essential Qualification	:	<ul style="list-style-type: none"> • Bachelors Degree in Engineering or Technology (EEE/E&TC) from a recognized University or equivalent.
Desirable Qualification	:	Experience in (i) operation /maintenance of HT sub-stations
Job Responsibilities	:	<ul style="list-style-type: none"> • To Assist in maintenance and operation of atmospheric instruments and electrical Works in the lab

Post Code	:	UAS2021-001
Name of the post	:	Project Scientist-I (For UAS activity)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology in Electronics/E&T/ Instrumentation/ Aeronautical/ Aerospace or Master's degree in instrumentation/ Electronics/ Physics /Atmospheric Science from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience / knowledge in engine powered UAV systems/avionics, UAV operations, AI/ML, data telemetry, instrumentation, atmospheric measurements, Computer programming skills (like Matlab, Python). Should be ready to work in field campaigns anywhere in India • 2 years experience in Research and Development, industrial and academic institutions or science and technology organizations and scientific activities and services
Job Responsibilities	:	<ul style="list-style-type: none"> • Experiment planning and execution of UAV operations. • Data management, data processing and analysis. • Participation in scientific/technical administration, and field campaigns.

Post Code	:	UAS2021-002
Name of the post	:	Project Associate-I
Number of post	:	02 Nos.

Essential Qualification	:	<ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology in Electronics/ E&T/ Instrumentation/ Aeronautical/ Aerospace or Master's degree in instrumentation/ Electronics /Physics /Atmospheric Science from a recognized University or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience/Knowledge in satellite data, atmospheric measurements, atmospheric instrumentation, and data analysis. Computer programming skills (like Matlab, Python). Should be ready to work in field campaigns anywhere in India
Job Responsibilities	:	<ul style="list-style-type: none"> • Assist in maintenance, calibration and operation of atmospheric instruments, • Assist in UAV operations. • Participate in field campaigns.

Post Code	:	UAS2021-003
Name of the post	:	Project Associate-II
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Bachelor's degree in Engineering or Technology in Electronics/E&T/ Instrumentation/ Aeronautical/ Aerospace or Master's degree in instrumentation/ Electronics /Physics from a recognized University or equivalent. • 2 years experience in Research and Development, industrial and academic institutions or science and technology organizations and scientific activities and services
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience/knowledge in UAV systems/ Avionics, UAV operations, AI/ML, atmospheric measurements, atmospheric instrumentation, instrument calibration, data acquisition, data management and data analysis. Computer programming skills (like Matlab, Python). Should be ready to work in field campaigns anywhere in India
Job Responsibilities	:	<ul style="list-style-type: none"> • Participate in field campaigns, obtaining permissions for UAV operations • Sensor integration and developmental activities • Maintenance of UAV systems and instruments • Data processing and data management

Post Code	:	TD2021-003
Name of the post	:	Project Scientist I (For Lightning Location Network and Atmospheric Electric Observatory)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with atleast 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent • Minimum 2 years demonstrated experience in handling/managing instruments and data analysis related to Lightning and Atmospheric electricity. • Experience in analysing lightning network data. • Experience in Design of ultra-low voltage signal amplifier and signal conditioning. • Experience in high rate data transfer from DAQ to storage

		<p>servers.</p> <ul style="list-style-type: none"> • Experience in developing application using LabView for measurements of meteorological parameters
Job Responsibilities	:	<ul style="list-style-type: none"> • The selected candidate is expected to work in Atmospheric electricity Observatory and should fabricate electric circuits required for measurements of atmospheric electric parameters. • Would take lead in maintaining Lightning Location network established by IITM and take care of its day-to-day operation and analyse the data. • Expected to participate in field campaign to conduct atmospheric electrical experiments and collect data.

Post Code	:	TD2021-004
Name of the post	:	Project Scientist I (Laboratory studies)
Number of post	:	01 No.
Essential Qualification	:	<p>Essential Qualification:</p> <ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with at least 60% marks
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent • Minimum 2 years work experience in projects related to lightning studies. • Demonstrated experience in Cloud microphysics studies using field studies and modeling.
Job Responsibilities	:	The candidate should design and run the experiment to study the effect of electrical forces on cloud microphysics. He/she is also expected to implement these laboratory measurements in numerical models to find the relevant parameterizations for cloud-microphysical processes.

Post Code	:	TD2021-005
Name of the post	:	Project Scientist I (For Simulation Lab)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with atleast 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent. • Minimum 2 years work experience in projects related to Atmospheric electricity. • Laboratory experience in the area of cloud physics/ atmospheric science and/or field experiments and measurement techniques and data analysis Knowledge/ interest in photography • Experience in image processing using LabView /matlab for analysis of image processing.
Job Responsibilities	:	<p>The selected candidate is expected to do experimental work in a small vertical wind tunnel in cloud physics laboratory as well as field observation.</p> <p>The candidate should design and fabricate the experimental set up as per the objectives of the experiments. He/she should collect and analyse data obtained from different experiments conducted in the laboratory using appropriate software.</p>

Post Code	:	TD2021-006
Name of the post	:	Project Scientist -I (For Global Electric Circuit Studies-1 post)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with at least 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent • Minimum 2 years work experience in projects related to Atmospheric electricity. • Minimum of 2 years of research experience in global electric circuit study. • Experience in laboratory or field experiments, measurement techniques and data analysis • Experience in the field of Atmospheric Electricity and/or Cloud physics.
Job Responsibilities	:	The selected candidate is expected to measure and analyse Global electric circuit parameters. He/she should collect and analyse data obtained from different experiments conducted in the laboratory. He/She is also expected to incorporate laboratory measurements in numerical models.

Post Code	:	TD2021-007
Name of the post	:	Project Scientist -I (For Atmospheric Electric Observatory and Simulation lab)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent with atleast 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent • 2 years demonstrated experience in handling/managing instruments and data analysis related to Lightning and Atmospheric electricity. • Experience in measurement and data acquisition • Experience in Design of ultra-low voltage signal amplifier and signal conditioning. • Experience in high rate data transfer from DAQ to storage servers. • Experience in cloud microphysics.
Job Responsibilities	:	Job Responsibilities: <ul style="list-style-type: none"> • The selected candidate is expected to work in Atmospheric electricity Observatory and Simulation Labraory for mirometeorological studies.

Post Code	:	TD2021-008
Name of the post	:	Senior Project Associate - (For Atmospheric Observatory)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology/Atmospheric Sciences) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent. • Four years work experience in projects related to Atmospheric Instrumentation/Atmospheric electricity .

Desirable Qualification	:	<ul style="list-style-type: none"> • Doctoral Degree in Science or Masters Degree in Engineering or Technology from a recognized University or equivalent • Research experience in handling Instrumentation related to Atmospheric Boundary layer/Atmospheric electricity. • Experience in laboratory or field experiments, measurement techniques and data analysis
Job Responsibilities	:	The selected candidate is expected to actively participate in laboratory and measurements and analysis various data products available in the project. Selected candidate is expected to participate in various field campaigns. He/She is also expected to incorporate laboratory measurements in numerical models.

Post Code	:	TD2021-009
Name of the post	:	Project Associate -II (For Atmospheric/Lightning Instrumentation)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/Instrumentation/Meteorology) or BE (Electronics/Instrumentation/EEE/E&T) from a recognized University or equivalent. • Two years work experience in projects related to Atmospheric/lightning Instrumentation
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in laboratory or field experiments, measurement techniques and data analysis • Experience in the field of Atmospheric Electricity/Atmospheric boundary layer studies/ Cloud physics.
Job Responsibilities	:	The selected candidate is expected to take part in collection and analysis of data related to Atmospheric Electricity/Atmospheric boundary layer studies/ Cloud physics. Selected candidates will go on tours for various field campaign. Job involves frequent tours for data collection and trouble shooting.

Post Code	:	CAIPEEX2021-004
Name of the post	:	Project Scientist -I (CAIPEEX)
Number of post	:	05 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • M. Sc. (Physics/ Instrumentation/ Meteorology/ Environmental sciences) or BE /BTech (Electronics/Instrumentation/EEE/ Electronics & Telecommunication) from a recognized University or equivalent with atleast 60% marks.
Desirable Qualification	:	<ul style="list-style-type: none"> • With minimum 2 years work experience in projects related to aerosol and CCN measurements/wind profiler observations/radiosonde measurements/cloud seeding/cloud microphysics/radar operations and dual polarization data analysis in cloud seeding and cloud tracking algorithms / numerical simulation of cloud seeding and analysis of cloud microphysics/airborne observations data processing/aerosol chemistry measurements. • Experience in handling aerosol instruments such as PILS, aethalometer, OC/EC analyser, etc. Physical and chemical characterization of samples collected from airborne observations and from ground based samples. • Experience in handling wind profiler and microwave radiometer observations and data quality control, Radiosonde observations and upkeep of the meteorological instruments at Sholapur • Experience with micrometeorological tower observations and

		<p>demonstrated capability in the analysis of data</p> <ul style="list-style-type: none"> • Experience with radar operations, TITAN or other product development tools, experience with radar calibration and signal processing etc. • Experience with large eddy simulation/numerical simulations and demonstrated through publications
Job Responsibilities	:	<ul style="list-style-type: none"> • Conduct aerosol chemistry measurements in Solapur and in other field campaigns . • The operation of wind profiler and microwave radiometer and data quality control and proper documentation of data, Data quality checks on micrometeorological data and routine operation of the instruments and field calibration, data, data acquisition, correction of data and related data analysis • Experience with disdrometers and raingauges and the person chosen will be trained on handling video disdrometers and has to work on the data analysis of the same. • To operate, calibrate and maintain the C-band radar onsite • Carryout numerical modelling studies (Large Eddy Simulation) with focus on cloud process studies, parameterization development and model evaluation.

Post Code	:	CAIPEEX2021-005
Name of the post	:	Scientific administrative assistant (For CAIPEEX)
Number of post	:	03 Nos.
Essential Qualification	:	• Graduate degree in any discipline.
Desirable Qualification	:	Experience in handling the duties of the lab, flying radiosonde, laboratory maintenance, etc.
Job Responsibilities	:	To carry out day today duties of the security of the Sholapur site, Tuljapur site and the Tower site in Sholapur

Post Code	:	CAIPEEX2021-006
Name of the post	:	Project assistant (For CAIPEEX)
Number of post	:	03 Nos.
Essential Qualification	:	BSc or 3 years Diploma in Engineering and Technology
Desirable Qualification	:	Experience in the field experiment, laboratory
Job Responsibilities	:	To carry out laboratory and field work.

Post Code	:	CAIPEEX2021-007
Name of the post	:	Senior Project Associate (For FDL)
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in Science (Physics, Atmospheric and Oceanic/Space Sciences) or Bachelors Degree in Engineering/Technology (Mechanical, Aerospace, Civil, Computer Science) from a recognized University or equivalent • Four years experience, in R&D institutions / organisations / academics / universities within India or abroad, with reference to direct numerical simulations of fluid flows.
Desirable Qualification	:	Experience with laboratory fluid mechanics experiments. Experience with direct numerical simulations of fluid flows using parallel computing on high performance computing facilities using Fortran, Python, C or C++.
Job Responsibilities	:	Focus on the porting of open source direct numerical simulation

	codes to IITM HPC and contribute developments such as inclusion of thermal energy equation for convection simulations etc. Also, contribute to the conduct of experiments, data quality checks, data analysis, preparation of publication-quality manuscripts at FDL.
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Post Code	: MAQWS2021-007
Name of the post	: Project Scientist- I (Atmospheric chemistry research)
Number of post	: 06 Nos.
Essential Qualification	: B.Tech/BE (Environmental Engineering/ Environmental Sciences/Chemical Engineering/Biotechnology/Electronics/Electrical/Electronic & Communication/ Computer Science/Instrumentation) with at least 60% marks from recognized University or equivalent. OR Master's degree in Physics/Chemistry/Mathematics/Statistics/Atmospheric Sciences/Electronics/Instrumentation/Computer Science/Health Sciences/Agro-meteorology/Remote Sensing/Environmental Sciences/Biology/Microbiology (with Chemistry as one of the optional subject) with at least 60% marks from recognized University or equivalent.
Desirable Qualification	: <ul style="list-style-type: none"> • Experience in human health exposure and response to air pollution and vulnerability studies by conducting field measurements. Modelling and observational study of impact of air pollution on ecosystems, crops and plants. • Hands-on experience of operating AAS, IC, GC-MS, etc and process studies, skyradiometer, sun photometer, athelometer and related studies on aerosol optical characterization and radiative forcing. Collection of aerosol samples, chemical analysis and Source apportionment. Evaluate chemistry transport models (like WRF-Chem, CMAQ) against observations, sensitivity to bottom-up and top-down emissions, optimize model configuration for operational air quality forecast. • Basic experience in numerical model (like WRF/WRF-Chem), meteorological data analysis tools (like GrADS, etc.) • Handling of large volume of data like text, NetCDF, HDF, GRIB etc. • Ph.D in any of the above subjects • Good knowledge of atmospheric/environmental chemistry • Working experience or recognized certificate course in the subjects mentioned against each post is desirable and preferred. <p>Post 1 (Air quality effects on Health and exposure) Post 2 (Air quality impacts on ecology, crops, vegetation, etc) Post 3 (Analytical chemistry Lab maintenance-operation of AAS, IC, GC-MS and data analysis) Post 4 (Particulate matter- Microphysical/chemical/optical parameter measurements, retrieval and analysis) Post 5 (Emission estimates from observed chemical speciation by source apportionment, inverse modelling, etc) Post 6 (Chemistry transport modelling/ AI based air quality prediction)</p>
Job Responsibilities	: Selected Candidates are responsible for the following. Post 1: Human health exposure and response to air pollution and

	<p>vulnerability studies by conducting field measurements</p> <p>Post 2: Modelling and observational study of impact of air pollution on ecosystems, crops and plants</p> <p>Post 3: Hands-on experience of operating AAS, IC, GC-MS, etc and process studies</p> <p>Post 4: Hands-on experience of skyradiometer, sun photometer, athelometer and related studies on aerosol optical characterization and radiative forcing</p> <p>Post 5: Collection of aerosol samples, chemical analysis and Source apportionment.</p> <p>Post 6: Evaluate chemistry transport models (like WRF-Chem, CMAQ) against observations, sensitivity to bottom-up and top-down emissions, optimize model configuration for operational air quality forecast.</p>
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Post Code	:	MAQWS2021-008
Name of the post	:	Project Associate I (Air quality research)
Number of post	:	04 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Environmental Sciences/Chemical Engineering/Biotechnology) from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Physics/Chemistry/Mathematics/ Instrumentation/ Statistics/ Atmospheric Sciences/ Environmental Sciences/Biology/Microbiology with Chemistry as one of the optional subjects) from recognized University or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Basic knowledge of Atmospheric Instruments and data acquisition. • Candidate should be ready to work in field campaign anywhere in India. • Knowledge of computer, data management and Programming .
Job Responsibilities	:	Selected candidates are expected to involve in: Analysis of weather and air quality data, air sample collection during field campaigns, routine operation of instruments measuring air pollution, circuit design to develop or modify air pollution measuring instruments, executing WRF and WRF-Chem models, manuscript preparation, etc.

Post Code	:	MAQWS2021-009
Name of the post	:	Senior Project Associate (Air quality research)
Number of post	:	2 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • B.Tech/BE (Environmental Engineering/ Environmental Sciences/Chemical Engineering/Biotechnology) from recognized University or equivalent. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Master's degree in Physics/ Chemistry/ Mathematics/ Instrumentation/ Statistics/ Atmospheric Sciences/ Environmental Sciences from recognized University or equivalent • Four years of experience in operating atmospheric instruments and data analysis.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in Emission inventory development/instruments operation, electronic circuit design, data transmission/GIS/Data management including QA&QC of data.
Job Responsibilities	:	Selected candidates are expected to involve in:

		Analysis of weather and air quality data, air sample collection during field campaigns, routine operation of instruments measuring air pollution, Analytical chemistry Laboratory maintenance, Operation of ceilometer and microwave radiometer and analysis of data, circuit design to develop or modify air pollution measuring instruments, executing WRF and WRF-Chem models, manuscript preparation, etc.
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Post Code	:	WIFEX2021-002
Name of the post	:	Project Scientist –I (For WiFEX and EWS Project)
Number of post	:	02 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • PhD or M.Tech in Environmental Science /Atmospheric Sciences /Physics/Electronics subjects from a recognized university or equivalent.
Desirable Qualification	:	<ul style="list-style-type: none"> • Experience in operating relevant atmospheric instrumentation, maintenance of instrumentation and data acquisition or field experience. Basic experience in meteorological data analysis tools (like GrADS, NCL, tc.). Handling of large volume of data like text, NetCDF, HDF, GRIB etc. • A minimum 2 years of experience in numerical model like WRF/WRF-Chem.
Job Responsibilities	:	The selected candidate will work on improvement of Fog forecasting and air quality using like WRF/WRF-Chem.

Post Code	:	WIFEX2021-003
Name of the post	:	Project Assistant (For WiFEX and EWS Project)
Number of post	:	06 Nos.
Essential Qualification	:	B.Sc. Electronics / instrumentation /Physics.
Desirable Qualification	:	<ul style="list-style-type: none"> • Candidate should be ready to work in field campaign anywhere in India. • Experience after B. Sc. degree in design and operating Atmospheric instrumentation, maintenance of instrumentation and data acquisition, electronic instrumentation • Knowledge of Computers and data management
Job Responsibilities	:	<ul style="list-style-type: none"> • Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

Post Code	:	DESK2021-005
Name of the post	:	TRAINING COORDINATOR
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree in any discipline from recognized University. • Four years of experience preferably in Government Department / Autonomous Bodies / PSU.
Desirable Qualification	:	<ul style="list-style-type: none"> • Post Graduate Diploma in Human Resource Management / Personnel Management/ Labour Management from recognized University / Institute. • Experience in Govt. Dept./ Autonomous Bodies /PSU of which at least 3 years should be in a supervisory grade. • Operational Computer knowledge.

		<ul style="list-style-type: none"> • Experience in Coordinating Training/ National and/or International Conferences, Seminars and Workshops. • Should have worked in the areas of coordinating with resource persons of academia/research centres for conducting various scientific workshops/training/ national/international conferences.
Job Responsibilities	:	<ul style="list-style-type: none"> • To coordinate various training programs of DESK, MoES Research Fellow Programs (MRFP), conducting workshops, national/international workshops, seminars, online training etc.

Post Code	:	DESK2021-006
Name of the post	:	Senior Project Associate
Number of post	:	01 No.
Essential Qualification	:	<ul style="list-style-type: none"> • A Master's degree or equivalent in Computer Science, Computer Application from a recognized University or equivalent. <p style="text-align: center;">OR</p> <p>A Bachelor's degree in Engineering or Technology in Computer Science.</p> <ul style="list-style-type: none"> • 4 years of work experience in web application development, designing, testing & security implementation.
Desirable Qualification	:	<ul style="list-style-type: none"> • Work experience in PHP, MySQL Development, MVC Pattern and any framework laravel/codeigniter, documentation of installation instructions, internal release notes, dataflow, user guide, and design documents, Linux OS, Photoshop, develop,, design and maintenance of Institutional Repository.
Job Responsibilities	:	<ul style="list-style-type: none"> • Development and maintenance of website and web applications for IITM/ IITM Projects for information dissemination (Reach Out activities) • IT responsibilities for conducting MoES/ DESK/ IITM Webinars • Development of web-based IITM R&D products, as per requirement of IITM/ MoES/ MoES Institutions (for Reach-Out activities). • As per requirement, will work for IITM/ MoES/ MoES institution web related application development, Conference websites. • Boasting visibility of IITM web-based application products for researchers/ public. • Implementation of web-security as per Ministry. • Design and development of Institutional repository for IITM PhD Theses, Video Lectures, etc. • Development of API for Ministry/ other MoES institutes. • Technical updation of IITM Dashboard • Conducting online Poster sessions for various Workshops/Meetings such as RAC, etc. • Technical Support to Computer Division as and when required.

Post Code	:	DESK2021-007
Name of the post	:	Project Associate- II
Number of post	:	01 No.
Essential Qualification	:	<p>A Master's degree or equivalent in Computer Science, Computer Application / Information Technology / Atmospheric Sciences/ Environmental Science / Science Communication from a recognized University or equivalent.</p> <p style="text-align: center;">OR</p> <p>A Bachelor's degree in Engineering or Technology in Computer Science from recognized University or equivalent.</p>

		2 years of experience in website content management, Video Editing, YouTube channel management, creation of social media posts and flyers/ brochure preparation.
Desirable Qualification	:	Work experience in Knowledge Resource Portals, Coreldraw/Photoshop, Infographics for Social media posts, video optimization, HTML, CSS.
Job Responsibilities	:	<ul style="list-style-type: none"> • Assisting in preparation of Knowledge based products using available resources in IITM for DESK/ Research students/ Researchers / eLearning materials of IITM/MoES • Media Handling, assisting in Press releases for IITM/ DESK events • Assisting DESK/ Academic Cell faculty for preparation of Course material for eLearning system • Content management for IITM part in the MoES Knowledge Resource Portal MoES-KRC Portal. • Managing eResources in IITM archival system such as Current Research Highlight webpage, etc • Participation as volunteer for Science Exhibitions organized by IITM/ MoES and other agencies throughout the year. • Assisting in conducting various activities of IITM under science popularization program. • Assisting DESK faculty in Science Communication related course work. • IITM website content management (English and Hindi website): Regular updates of contents for DESK website, Academic Records, IITM website (Scientists profiles, IITM projects, for IITM Administration (Purchase/ Establishment/ General, etc), RTI webpage, Event webpage management. • IITM Intranet content management, Pension Portal, Library Portal • Lectures / Seminars/ Conference: video editing and uploading at YouTube channel. • IT support in implementing Library related services and products for IITM/ MRPF Research students and research community in IITM/ MoES. • Social Media Post creation – using infographics (for REACH OUT) • Flyers for various Events of DESK/ IITM Conferences/ Posters for Outreach activities. • Video Editing as per requirement of DESK/ LIP/ IITM/ MoES • Audio/ video resource management system for various courses conducted by DESK/IITM.

Post Code	:	DESK2021-008
Name of the post	:	Project Associate- II
Number of post	:	01 Post
Essential Qualification	:	A Master's degree or equivalent in Library and Information Science from recognized University or equivalent. with 2 years of work experience in Library Services, DSpace/ Koha/ Libsys, Institutional Repository, Scientometric studies, Bibliometric Analysis.

		OR
		Bachelor's degree in Engineering or Technology in Computer Science from recognized University or equivalent. with 2 years of work experience in Knowledge Resource Centre/ Library of Research/ Academic Institution/ NGO/ Corporate/ University.
Desirable Qualification	:	Work Experience in Institutional Repository using DSPACE, Scientometric and bibliometric analysis, Library management Softwares - LIBSYS10/Koha.
Job Responsibilities	:	<ul style="list-style-type: none"> • Introducing innovative Library services to IITM/MoES as per present scenario. Support to Head of Division in Bibliometric and Scientometric analysis using Scopus and Web of Science databases. • IITM Institutional Repository: uploading of IITM reprints, news clippings, PhD Thesis, etc. • Implementation of Koha (Library Management Software) - as per MoES guidelines. • Uploading of IITM eResources (media clippings, reprints, photographs, reports, etc) in MOES KRCNet Portal (DSpace-MoES Institutional Repository) • Assisting Head of Division in Library Services, Subscription of eResources, License agreement document, cost benefit analysis of IITM Library, User studies, etc. • Assisting in organizing USER Education sessions (online + physical) • Individual level support to IITM researchers for IITM/MoES subscription products such as Grammarly, Journals, Magzter, etc. (this service is very much in demand by IITM scientists and research scholars) • Coordinating with Hindi section for Hindi Translation for IITM Hindi website contents. • IITM and MoES DSPACE - Institutional repository management

Post Code	:	DESK2021-008
Name of the post	:	Technical Assistant
Number of post	:	01 Post
Essential Qualification	:	BSc. / 3 Years diploma in Engineering & Technology.
Desirable Qualification	:	Bachelor's degree in Library & Information Science BLIS or equivalent Or 1.5 years of work experience in reputed Library. Experience in Videography/Photography, coreldraw/ photoshop, LibSys/Koha will be an added preference.
Job Responsibilities	:	<ul style="list-style-type: none"> • For IITM Research Fellows/ Researchers: Library Services (Membership, Circulation, purchase of Books/ Journals, Acquisition, Stock Verification of IITM Library Resources, Reprographic services) • Assistance in all developmental activities of IITM Library, Bibliography, Reprints/ articles arrangement on Library loan, etc. • Digitization of IITM Resources such as Thesis, Reports, Documents • Daily tracking IITM news clippings and providing news services to

		IITM/MoES • Photography / Videography.
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Post Code	:	SO2021-001
Name of the post	:	Section Officer
Number of post	:	03 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Masters Degree from recognized University; • Operational computer knowledge • Three (03) years experience preferably in Government Department/Autonomous Bodies/PSU
Desirable Qualification	:	<ul style="list-style-type: none"> • Masters Degree/Post Graduate Diploma (02 years duration) in Human Resource Management/Personnel Management/ Labour Management or MSW from recognized University/Institute. • Having minimum 04 years experience in handling Administration/Establishment/Purchase/ General Administration preferably in Government Department/PSU/Autonomous Bodies in PB-2 with GP 4200/4600 (6th CPC scales). • Having minimum 06 years experience in handling Administration/Establishment/Purchase/ Accounts preferably in Government Department/PSU/Autonomous Bodies
Job Responsibilities	:	To assist Administrative Officer/Accounts Officer & to look after the Administration section/ Accounts Section.

Post Code	:	UDC2021-001
Name of the post	:	Upper Division Clerk
Number of post	:	08 Nos.
Essential Qualification	:	<ul style="list-style-type: none"> • Bachelor's degree from a recognised university. • Basic Knowledge of Computer operation • 3 years experience in Administration /Accounts/Purchase matters in Government organization/Autonomous body/PSU in PB-1 GP 1900 or its equivalent
Desirable Qualification	:	Good command in English and working knowledge of Hindi. One year Diploma in Computer Application.
Job Responsibilities	:	<ul style="list-style-type: none"> • Day to day administration related work

One post of Project Associate-I purely on temporary short term contract basis for Project entitled *"Urban Modelling: Development of multi-sectoral simulation lab and science-based decision support framework to address urban environment issue"*.

Post Code	:	CDAC2021-001
Name of the post	:	Project Associate -I
Number of post	:	01 No.
Essential Qualification	:	MSc in Environmental Sciences/Atmospheric Science/ GIS & Remote sensing or bachelor's degree in Engineering or Technology from a recognized University or equivalent and having passed CSIR-UGC NET including lectureship (Astt. Professorship) or GATE or any national level examination conducted by Central Govt. Dept. and their Agencies and Institutions.
Desirable Qualification	:	<ul style="list-style-type: none"> • Atleast one year of experience in working with the air quality measurements/ emission inventory development /air quality data

		analysis. <ul style="list-style-type: none"> • Experience in handling air quality instruments & programming using MATLAB/Python/IDL/FORTRAN.
Job Responsibilities	:	The selected candidate will work on development of new tools to support air quality modeling and decision support system for air quality management for urban areas.
