

पृथ्वी प्रणाली विज्ञान संगठन)ईएसएसओ(
पृथ्वी विज्ञान मंत्रालय,भारत सरकार
भारतीय उष्णकटबंधीय मौसम विज्ञान संस्था)आईआईटीएम (
डॉ.होमी भाभा मार्ग,पाषाण,पुणे 008 411 -
विज्ञापन सं.PER/08/2017

पूर्णतया लघु अवधि अनुबंध आधार पर परियोजना वैज्ञानिक/सहायक/प्रबंधक/अनुभाग अधिकारी/प्रश्रेलि की भर्ती

भारतीय उष्णकटबंधीय मौसम विज्ञान संस्था(अनुसंधान) आईआईटीएम (पृथ्वी विज्ञान मंत्रालय ,नई दिल्ली द्वारा पूर्णतः निधिकृत एक स्वायत्त अनुसंधान संगठन है। यह उष्णकटबंधीय मौसमविज्ञान पर बल देते हुए वायुमंडलीय विज्ञान ,विशेष रूप से जलवायु परिवर्तन और भारतीय मानसून के विभिन्न पहलुओं में अनुसंधान हेतु समर्पित ,राष्ट्रीय एवं अंतर्राष्ट्रीय ख्याति प्राप्त यह एक प्रमुख संस्थान है।

निम्नलिखित पदों की भर्ती का प्रस्ताव है ,जिसका विवरण निम्नवत् है :

क्रम सं.	पद का नाम	परिलब्धियाँ	कुल पद	अधिकतम आयु
1.	परियोजना वैज्ञानिक डी	रु.68,000 -/तथा मकान किराया भत्ता	10	50 वर्ष
2.	परियोजना वैज्ञानिक सी	रु.58,000 -/तथा मकान किराया भत्ता	20	40 वर्ष
3.	परियोजना वैज्ञानिक बी)अनुसूचित जाति के लिए 03/अनुसूचित जनजाति के लिए 01 एवं अन्य पिछड़ा वर्ग के लिए(07	रु.49,000 -/तथा मकान किराया भत्ता	26	35 वर्ष
4.	अभ्यागत वैज्ञानिक	रु.50,000-/परिलब्धियाँ	01	65वर्ष
5.	कनिष्ठ वैज्ञानिक सहायक	रु.29,200 -/तथा मकान किराया भत्ता	01	28 वर्ष
6.	परियोजना प्रबंधक	रु.68,000 -/तथा मकान किराया भत्ता	01	65वर्ष
7.	परियोजना सहायक	रु.22,000 -/तथा 3प्रतिशत वार्षिक वृद्धि	09	28 वर्ष
8.	प्रवर श्रेणी लिपिक)अनुसूचित जाति के लिए 01 एवं अन्य पिछड़ा वर्ग के लिए 02पद(रु.25,500 -/तथा मकान किराया भत्ता	08	28 वर्ष
9.	अनुभाग अधिकारी	रु.44,900 -/तथा मकान किराया भत्ता	02	35 वर्ष
10.	कम्प्यूटर अनुप्रयोग सहायक वैज्ञानिक	रु.75,000 -/मकान किराया भत्ता सहित	01	28 वर्ष

परियोजना वैज्ञानिक बी का एक पदशारीरिक रूप से विकलांग) अस्थि विकलांग (के लिए आरक्षित है।

नियुक्ति प्रारंभ में पूर्णतया अस्थायी एवं अनुबंध आधार परकेवल एक वर्ष की अवधि के लिए है तथा बाद में निष्पादन के आधार पर)दो साल तक(बढ़ायी जा सकती है।

अनुसूचित जाति /अनुसूचित जनजाति ,अन्य पिछड़ा वर्ग ,शारीरिक रूप से विकलांग /भूतपूर्व सैनिकों के लिए भारत सरकार के नियमानुसार ऊपरी आयु सीमा में छूट दी जाएगी।

इच्छुक उम्मीदवार अपने आवेदन सीवी के साथ केवल ऑनलाइन <http://www.tropmet.res.in/Careers> पर प्रस्तुत करें।

आवेदन की हार्ड कॉपी स्वीकार नहीं की जाएगी।

पदों के बारे में अन्य संबंधित विस्तृत विवरण www.tropmet.res.in/Careers पर उपलब्ध है।

ऑनलाइन आवेदन प्रस्तुत करने की सुविधा दिनांक 23अक्तूबर 2017(15.00बजे (को प्रारंभ होगी और दिनांक 19नवंबर 2017 को बंद हो जाएगी।

**EARTH SYSTEM SCIENCE ORGANIZATION (ESSO),
Ministry of Earth Sciences, Government of India
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
Dr. HomiBhabha Road, Pashan, Pune-411008
Advertisement No. PER/08/2017**

**RECRUITMENT OF PROJECT SCIENTISTS/ASSISTANT/MANAGER/SECTION OFFICER/UDC
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 for the following posts as detailed below:

Sr. No.	Name of the post	Emoluments	Total Posts	Max. Age
1.	Project Scientist D	Rs. 68,000/- + HRA	10	50 years
2.	Project Scientist C	Rs. 58,000/- + HRA	20	40 years
3.	Project Scientist B (03 posts for SC/01 for ST and 07 for OBC)	Rs. 49,000/- + HRA	26	35 years
4.	Visiting Scientist	Rs. 50,000/- consolidated	01	65 years
5.	Junior Scientific Assistant	Rs.29200 + HRA	01	28 years
6.	Project Manager	Rs. 68000/- + HRA	01	65 years
7.	Project Assistant(01 for SC and 02 for OBC)	Rs. 22,000/- + 3% annual increase	09	28 years
8.	UDC(01 for SC and 02 for OBC)	Rs. 25,500/- + HRA	08	28 years
9.	Section Officer	Rs. 44,900/- + HRA	02	35 years
10.	Computer Application Supporting Scientist	Rs. 75000/- including HRA	01	28 years

One post of Project Scientist B is reserved for PH(OH).

The appointment is purely on temporary on contractual basis for a period of one year initially and later extendable(upto two more years) depending on further Performance.

Upper age limit is relaxable for SC/ST, OBC, Physical handicapped/ex-servicemen as per Government of India norms.

**Aspiring candidates may submit their applications along with their CV online only:
<http://www.tropmet.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 will commence on 23rd October 2017 (15:00 hours) and close on 19th November 2017.

INSTRUCTIONS

1. The last date of submission of online application is 19-11-2017. 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. So, the centre may restrict the number of candidates to be called for interview/ written test to a reasonable limit of desirable qualification and/or on the record of academic performance and/or relevant experience for the post prescribed in the advertisement as per the specific requirement of the centre and/or any other benchmark decided by a committee constituted to screen the applications. No correspondence will be entertained with candidates who are not called for Interview/written examination.
4. **Age limit**

For the post of Scientist – D	50 years
For the post of Scientist – C	40 years
For the post of Scientist – B	35 years
For Visiting scientist	65 years
For the post of Project Assistant	28 years
For the post of Junior Scientific Assistant	28 years
For the post of Project Manager	65 years
For the post of Upper Division Clerk	28 years
Section Officer	35 years
Computer Application Supporting Scientist	28 years

 - Upper age limit is relaxed for SC/ST/ OBC/Physically Handicapped persons/Ex-servicemen as per Government of India norms.
5. Experience 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.
6. The selection for the posts of UDC shall be on the basis of performance of the screened in candidates in the written test. And for the remaining posts selection will be on the basis of performance of the screened in candidates, in the interview.
7. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each, at the time of interview for verification. Any discrepancies found in the certificate will attract the disqualification of applications. Non production of the original certificates at the time of interview/ written test will also make the candidate disqualified.
8. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.
9. Essential qualification, experience and age limit can be relaxed at the discretion of the appointing authority in exceptional cases.
10. Director, IITM reserves the right to fill-up or not to fill up the post advertised without assigning any reasons thereof.
11. Minimum of 60% marks in the qualifying degree level are required to be eligible for the posts mentioned.
12. Doctorate Degree will count as 3 years of experience
13. M.Tech degree will be counted as 1 year experience
14. 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.
15. CGPA grading is to be converted in the percentage.
16. Total number of posts may vary.
17. Emolument subject to revision.

Post Code -HACPL2017-001

Post Name - Project Scientist - C (For HACPL at Mahabaleshwarto be posted at Mahabaleshwar)

No. of posts - 1 Nos.

Essential Qualification:

- B.E./B.Tech, Electronics and Communication, Instrumentation or Masters Degree in Physics, Electronics, Instrumentation, Geophysics (Meteorology) from a recognized University/ Institution with at least 60% marks.
- A minimum of 3 years research experience in the field of Atmospheric Instrumentation relevant to clouds, aerosols and precipitation 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) as evidenced by publications in the above field.

Desirable Qualification:

- M.Tech (Atmospheric Science/Climate Science) with 60% marks or Ph.D. in any of the above subjects would be a desirable qualification.
- Research Experience supported by publications in good impact journals would be an added advantage.
- Working knowledge of Aerosol instrumentation (SMPS, Cloud probes, Precipitation instruments (Disdrometers))
- Experience in conducting radiosonde flights.
- 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.

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, Microrain radar and raingauge).

Post Code -HACPL2017-002

Post Name - Project Scientist - C (Radar Facility at Mandhardev to be posted at Mandhardev for Radar operation and maintenance)

No. of posts - 1 Nos.

Essential Qualification:

- B.E./B.Tech. Electronics and Communication, Instrumentation, RF engineering or Masters Degree in Physics, Electronics, Instrumentation, Geophysics (Meteorology) from a recognized University/ Institution with at least 60% marks.
- A minimum of 3 years research experience in Doppler weather radars as evidenced by research reports/publications in the above field.

Desirable Qualification:

- M.Tech (atmospheric Science/Climate Science) with 60% marks or PhD in any of the above subjects
- Research Experience supported by publications in good impact journals would be an added advantage.
- Working experience in Doppler Weather radars
- Experience in weather radar calibration/maintenance.
- 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.

Job Responsibilities:

The Selected candidate has to work on to conduct/manage observational campaigns to study cloud-precipitation interactions using radars. This will involve setup, calibrate, maintain various cloud/precipitation measuring instruments and radar calibration/validation, operation/maintenance and trouble shooting of radars.

Post Code -HACPL2017-003

Post Name - Project Scientist - B (For HACPL at Mahabaleshwar to be posted at Mahabaleshwar)

No. of posts - 3 Nos.

Essential Qualification:

- B.E./B.Tech. in subjects , Electronics and Communication, Instrumentation Engineering or M.Sc. Physics, Electronics, Geophysics(Meteorology) with at least 60% marks

Desirable Qualification:

- M.Tech Atmospheric Sciences/Climate Sciences with at least 60% marks..
- A minimum of 2 years of experience (after Master's degree in Electronics or B.E./B.Tech.) in Atmospheric Instrumentation relevant to radiosondes, clouds, aerosols and precipitation 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).
- Demonstrated experience in atmospheric instrumentation for aerosol, cloud physics and precipitation measuring systems. Demonstrated experience in conducting radiosonde flights.

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 -HACPL2017-004

Post Name - Project Scientist - B (For advanced atmospheric chemistry measurements/analysis to be posted at HACPL, Mahabaleshwar)

No. of posts - 1 Nos.

Essential Qualification:

- M.Sc. with at least 60% of marks in Chemistry (Analytical), Environmental Sciences, Geophysics(Meteorology)

Desirable Qualification:

- A minimum of 2 years of research experience (after Master's degree) in Atmospheric chemistry, environmental pollution with familiarization in any of the following, GC/MS. Aerosol mass spectrometry, Ion Chromatograph, PTRMS 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:

- Operation and maintenance of aerosol chemistry and VOC measuring equipments
- Participation in field campaigns for aerosol chemistry measurements
- Analysis of aerosol chemical composition, black carbon and VOC data sets

<p>Post Code -HACPL2017-005 Post Name - Project Scientist – B (For radar operations and maintenance to be posted at Mandhardev/Pune) No. of posts - 3 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. Electronics and Telecommunication, Instrumentation Engineering, Electrical, or M.Sc. Electronics, Instrumentation, Physics, Geophysics(Meteorology)with at least 60% marks.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech. in atmospheric science/Climate Science with 60% marks.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Minimum of 2 years work experience with atmospheric radar technology or operations and maintenance of Doppler weather radars. • Demonstrated experience in operation and maintenance of X, Ka-band or C / S- band Doppler weather radars • Work experience in signal processing, electrical and computer, data management. • Operation and maintenance of scanning Doppler weather radar systems for understanding precipitation and cloud formation processes. In addition, radar calibration/validation and operation and maintenance of other experimental facilities such as microwave radiometric profiler, disdrometers and raingauges around the radar coverage region. • Candidate should be ready to work in field campaigns anywhere in India

<p>Post Code -HACPL2017-006 Post Name - Project Assistant (for HACPL) No. of posts - 2 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E/ B.Tech. (Electronics & Communication/ Electronics/ Instrumentation/ Mechanical/ Aeronautics) or M.Sc. (Physics/ Instrumentation/ Electronics /Geophysics(Meteorology) with at least 60% marks.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • 1 year experience in atmospheric measurements, maintenance of atmospheric instrumentation and data acquisition, data management and data analysis, Computer programming skills (like Fortran, Matlab).
<p>Job Responsibilities:</p> <p>Candidate should be ready to work in field campaigns anywhere in India</p>

<p>Post Code -CAIPEEX2017-001 Post Name - Project Scientist – C (For Flare testing laboratory) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Masters degree with at least 60% marks in Physics/Space Sciences/Atmospheric Sciences/ Meteorology /Geophysics(Meteorology) from a recognized university/Institute • Minimum of 3 years research experience in laboratory measurements of aerosol, CCN IN, etc. as evidenced by publications
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech. in atmospheric science/Climate Science with 60% marks or Ph.D. in any of the above subjects would be a desirable qualification . • Research experience supported by publications in relevant topics in good impact journals would

be an added advantage.

- Experience and demonstrated ability with laboratory studies on the Aerosol/CCN/IN activation characteristics and microphysical processes

Job Responsibilities:

- Flare testing laboratory : setup a laboratory for the seeding material characterization and aerosol-CCN activation studies
- Take part in the field campaigns and make quality observations of aerosol-chemical and physical properties and CCN activation
- Maintain flare testing laboratory with high quality instruments, calibrated for ready use
- To participate in field campaign

Post Code –CAIPEEX2017-002

Post Name - Project Scientist –C (For Radar data analysis and simulations)

No. of posts - 1 Nos.

Essential Qualification:

- M.Sc.with at least 60% of marks in Physics/Atmospheric Sciences/Meteorology /Geophysics(Meteorology) from a recognized university/Institute.
- Minimum of 3 years research experience in using airborne observational data and radar quality control and corrections and procedures required for quality assured data of reflectivity, rain rates, dual polarized radar products, etc, and their evaluation with numerical models

Desirable Qualification:

- M. Tech in atmospheric/Climate Science with 60% marks or Ph.D. in any of the above subjects would be a desirable qualification
- Research experience supported by publications in relevant topic in good impact journals would be an added advantage.
- Conversant with FORTRAN, NCL, etc. in Unix environment

Job Responsibilities:

Aircraft and radar data quality control and corrections and procedures required for quality assured data of reflectivity, rain rates, dual polarized radar products, etc for cloud seeding operations and its evaluation.

Need to involve in field campaign

Post Code –CAIPEEX2017-003

Post Name - Project Scientist – C(For numerical simulations)

No. of posts - 1 Nos.

Essential Qualification:

- M.Sc. with at least 60% of marks in Physics/Atmospheric Science/Meteorology/Geophysics(Meteorology) from a recognized university/Institute.
- Minimum of 03 years research experience in relevant field and as evidenced by publications (on explicit aerosol cloud-precipitation interaction simulations, using aircraft and radar observations in clouds, focusing on mixed phase cloud microphysics , etc.)
- Airborne observations and use for the model diagnostics to carryout model process parameterization development/improvement and to conduct cloud seeding simulations with bin microphysics.

Desirable Qualification:

- M.Tech. in Atmospheric Sciences/Meteorology with 60% marks or Ph.D. in any of the above subjects would be a desirable qualification
- Research experience supported by publications in relevant topic in good impact journals would be an added advantage.
- Conversant with FORTRAN, NCL, etc. in Unix environment

Job Responsibilities:

- Corrections for mixed phase cloud microphysics and rain microphysics (size distributions) of airborne observations and bin microphysical simulations, use 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.
- To participate in field campaign and give necessary input as and when required

Post Code –CAIPEEX2017-004**Post Name - Project Scientist – B (For Micrometeorological field and radiosonde operations)****No. of posts –1 Nos.****Essential Qualification:**

- B.E./B. Tech.with at least 60% of marks in Electronics and Telecommunication from a recognized university/Institute.

Desirable Qualification:

- M.Tech.with 60% marks in Electronics and Telecommunication.
- Minimum 2 years in meteorological field campaign experience
- Demonstrated experience with radiosonde/tethersonde operations, surface meteorological instruments

Job Responsibilities:

- Field operation of radiosonde, tethersonde, micrometeorological tower instrumentation and its management in the cloud seeding area and associated data analysis
- Participate in field campaign and take care of specific needs

Post Code –CAIPEEX2017-005**Post Name - Project Scientist – B(For aircraft data analysis)****No. of posts - 2 Nos.****Essential Qualification:**

- B.E./B. Tech. with at least 60% of marks in Electrical and Electronics/Electronics and Telecommunication/Electronics and instrumentation/Aerospace Engineering from a recognized university/Institute.

Desirable Qualification:

- M.Tech with at least 60% of marks in Electrical and Electronics/Electronics and Telecommunication/ Electronics and instrumentation/Aerospace Engineering.
- Minimum 2 years (after Degree) meteorological field campaign experience/handling meteorological data.
- Upkeep of the meteorological instruments, with necessary calibrations and corrections and participate in cloud seeding missions, Observational data quality control, documentation, analysis, etc. to be conversant with other ground based instrumentation to help in merging and collocating the ground observations with that of aircraft data.

Job Responsibilities:

- Aircraft instrumentation engineer for the seeder and research aircraft, participate in missions, calibrate documentation of each mission, airborne instruments, maintain data, analyse data as required for cloud seeding analysis
- Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

<p>Post Code –CAIPEEX2017-006 Post Name - Project Scientist – B(For radar operations) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B. Tech. with at least 60% of marks in Electronics / Electronics and Telecommunication from a recognized university/Institute.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech. with at least 60% of marks in Electronics / Electronics and Telecommunication from a recognized university/Institute. • Minimum 2 years (after degree) meteorological field campaign experience/meteorological data • Demonstrated experience with radar operations, TITAN or other product development tools, etc.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Radar Engineer (Electronics and instrumentation) to operate and maintain the C-band radar onsite and ensure continuous operation for cloud seeding experiment, Coordination during the seeding missions • Participate in field campaign and contribute to the radar calibration, data collection, calibration, upkeep and analysis of data

<p>Post Code –CAIPEEX2017-007 Post Name - Project Scientist – B (For Ground based field campaign) No. of posts -1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B. Tech. with 60% of marks in Electronics / Electronics and Telecommunication from a recognized university/Institute. <p style="text-align: center;">OR</p> <p>M.Sc. with 60% of marks in Physics/Atmospheric Science/Meteorology/Geophysics(Meteorology) from a recognized university/Institute.</p>
<p>Desirable Qualification:</p> <p>M. Tech in atmospheric/Climate Science with 60% marks. Minimum 2 years' experience (after B.E./B.Tech./ M.Sc.) in using atmospheric profiling data in the aerosol-cloud interaction studies. Demonstrated experience with wind profiler/lidar, microwave radiometer, sodar data and analysis etc.,</p>
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Operation of profiling instruments (Wind profiler, MWRP, aerosol lidar, wind lidar and sodar) and calibration, data acquisition, correction of data and related data analysis for cloud seeding experiment • Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

<p>Post Code –CAIPEEX2017-008 Post Name - Project Scientist – B(For Large Eddy Simulation) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Sc. with 60% of marks in Physics/Atmospheric Science/ Meteorology/Geophysics(Meteorology) from a recognized university/Institute • Conversant with Airborne observations and use for the model diagnostics for cloud microphysics
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech in atmospheric/Climate Science with 60% marks. • Minimum 2 years experience (after Degree) in aerosol-cloud interaction studies with model simulations (Large Eddy Simulation), as evidenced by publications

- Conversant with FORTRAN, NCL, etc. in Unix environment
- Demonstrated experience with large eddy simulation of clouds and convection, aircraft observational data analysis
- Aircraft data analysis of warm and mixed phase clouds and boundary layer and associated cloud seeding simulations to support development of the cloud seeding protocol using explicit modelling techniques such as LES

Job Responsibilities:

- Carryout Large Eddy Simulation for evaluation of cloud seeding together with airborne and other observational datasets
- To participate in field campaign and give necessary input as and when required

Post Code –CAIPEEX2017-009

Post Name - Project Scientist – B (for Aerosol observational studies)

No. of posts - 1 Nos.

Essential Qualification:

- M.Sc. with 60% of marks in Physics/Atmospheric Science/ Meteorology/Geophysics(Meteorology)from a recognized university/Institute
- Conversant with FORTRAN, NCL, etc. in Unix environment

Desirable Qualification:

- M. Tech in atmospheric/Climate Science with 60% marks
- Minimum 2 years' experience in aerosol physical and chemical characterization studies and related analysis techniques and modelling as evidenced by publications
- Experience in handling aerosol observations with aethalometer, PILS, filter samples, aerosol analysis, modelling, etc.
- Physical and chemical characterization of samples collected from airborne observations and from ground based samples

Job Responsibilities:

- To participate in field campaign to collect samples and to analyse samples with collaborating institutions
- Carryout physical and chemical characterization of aerosol samples collected with airborne and surface observations after SEM/TEM analysis
- Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

Post Code –CAIPEEX2017-010

Post Name - Project Scientist – B(For Fluid Dynamics Laboratory)

No. of posts - 1 Nos.

Essential Qualification:

- B.E. /B.Tech.with 60% marks in Mechanical or Instrumentation Engineering from a recognized university/Institute.

Desirable Qualification:

- M.Tech. with 60% marks in Mechanical or Instrumentation or Design or Heat-Power Engineering
- 2 years experience in laboratory fluid dynamics /thermodynamics/ Heat transfer .
- Good knowledge of basic fluid dynamics, thermodynamics, heat transfer, laminar and turbulent boundary layers etc.
- Experience in laboratory fluid dynamics experiments
- Exposure to instruments such as Pitot tube, hotwire anemometry and Particle Image Velocimetry etc.
- Working knowledge of software such as CATIA, ANSYS for CFD and programming language such as FORTRAN 90 or C++.

Job Responsibilities:

To assist in various experiments in the Fluid Dynamics Laboratory (FDL)

<p>Post Code –CAIPEEX2017-011 Post Name - Project Scientist – B(for Fog campaign model development) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Sc. with 60% marks in Atmospheric Science/Meteorology/Physics/ Geophysics(Meteorology) from a recognized University/Institution.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech in atmospheric/Climate Science with 60% marks or Ph.D. in Atmospheric Science. • Minimum of 02 years of experience of research (after Master’s degree) in Atmospheric Science. Post qualification working experience in High Performance Computing Systems in high resolution numerical weather forecasting model/ atmospheric chemical transport model and its related software's/ applications. • Experience in using programming languages (like FORTRAN), shell scripting and UNIX operating system • Atmospheric data analysis tools (like GrADS, NCL, CDO etc.) • Basic knowledge of Boundary layer meteorology and Data assimilation.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Fog campaign Fog forecast model development • The selected candidate will contribute in the development of methodology and parameterization to improve the prediction

<p>Post Code –CAIPEEX2017-012 Post Name - Project Scientist – B(For Fog campaign field work) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B. Tech. with 60% of marks in Electronics and Instrumentation OR M.Sc. with 60% marks in Electronics, Physics, Atmospheric Science/Geophysics(Meteorology) from a recognized university/Institution.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • A minimum of 02 years of research and development experience in Atmospheric instrumentation. • Demonstrated experience in Atmospheric instrumentation or maintenance of instrumentation and data acquisition and control system/software on Electronic instrumentation and maintenance. • Demonstrated experience in atmospheric instrumentation for aerosol, gases, etc. • Demonstrated experience in conducting radiosonde flights. • Work experience with various operating systems such as Windows, Unix, Linux and programming languages like FORTRAN, MATLAB, IDL.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Fog campaign involvement and Fog forecast model development • The selected candidate will contribute in the development of methodology and model parameterization to improve the prediction

<p>Post Code –CAIPEEX2017-013 Post Name - Project Assistant(For rain gauge network) No. of posts - 2 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./ B. Tech (Electrical and Electronics /Electronics and Telecommunication/Electronics and instrumentation/Aerospace engineering) subjects with 60% marks from a recognized university/Institute.

Desirable Qualification:

- Experience with electronic instrumentation and data acquisition
- Knowledge of Computers and data management
- Experience of minimum 1 year in desired area.

Job Responsibilities:

- Candidate should be ready to work in meteorological field campaign anywhere in India.
- Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

Post Code -CAIPEEX2017-014**Post Name - Project assistant(For Fog campaign)****No. of posts - 1 Nos.****Essential Qualification:**

- M.Sc. in Electronics / instrumentation /Physics /Geophysics (Meteorology) subjects with 60% marks from a recognized university/Institute.
- Experience after M. Sc. degree in design and operating Atmospheric instrumentation, maintenance of instrumentation and data acquisition

Desirable Qualification:

- Candidate should be ready to work in field campaign anywhere in India.
- Experience with electronic instrumentation and data acquisition, knowledge of Computers and data management, Experience of minimum 1 year in desired area.

Job Responsibilities:

- Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

Post Code -CAIPEEX2017-015**Post Name - Project assistant(For Fog campaign)****No. of posts - 1 Nos.****Essential Qualification:**

- M.Sc. in Environmental Sciences / Atmospheric Sciences /Physics /Geophysics (Meteorology) subjects with 60% marks from a recognized university/Institute
- Experience after M.Sc.in atmospheric measurements, remote sensing and meteorology studies.

Desirable Qualification:

- 1 year experience (after M.Sc. degree)
- Knowledge of Computers and data management.
- Working experience in Unix, Linux and Windows platform

Job Responsibilities:

- Data analysis and ready to work in field campaign during winter in Delhi.
- Participate in field campaign and contribute to the data collection, calibration, upkeep and analysis of data

Post Code -TD2017-001**Post Name - Project Scientist C (For Thunderstorm Dynamics)****No. of posts - 1 Nos.****Essential Qualification:**

- A Master's Degree in Atmospheric Science/ Meteorology/ Physics/ Mathematics / Geophysics(Meteorology)from a recognized University/ Institution with at least 60% marks.
- A minimum of 3 years of research experience (after Master's degree)

Desirable Qualification:

- M. Tech (atmospheric Science /Climate Sciences) with 60% marks or Ph.D. in any of the above subjects
- 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:

The selected candidate is expected to run WRF model and simulate deep convection cases to find out lightning potential from model output. Selected candidate should handle large volume of lightning data available from Lightning Location Network to validate the model output.

Post Code -TD2017-002**Post Name - Project Scientist B (For Atmospheric Electricity lab and Lightning Location Network)****No. of posts - 2 Nos.****Essential Qualification:**

- B.E./B.Tech. in Electronics/Electronics & Tele communication engineering with at least 60% marks

Desirable Qualification:

- A minimum of 2 years of research experience in Atmospheric Sciences.
- 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 developing application using LabView for measurements of meteorological parameters.

Job Responsibilities:

- The selected candidate is expected to work in Atmospheric electricity laboratory and should fabricate electric circuits required for measurements of atmospheric electric parameters. He would be in-charge of Lightning Location network established by IITM and take of its day-to-day operation and maintenance. He/She is expected to participate in field campaign to conduct atmospheric electrical experiments and collect data.

Post Code -TD2017-003**Post Name - Project Scientist B (For Cloud Chamber experiments)****No. of posts - 1 Nos.****Essential Qualification:**

- Master's Degree in Physics/Atmospheric science/ Meteorology with at least 60% of marks.

Desirable Qualification:

- M. Tech (atmospheric Science /Climate Sciences) with at least 60% of marks or Ph.D. in any of the above subjects.
- Minimum of 2 years of research experience in Atmospheric Sciences.
- 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 do experimental work in cloud physics laboratory and should be willing for field observation/ campaign. 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 in different experiments conducted in the laboratory using appropriate software. S/he is also expected to incorporate laboratory measurements in numerical models to find the relevant parameterizations for cloud-microphysical processes.

<p>Post Code - TD2017-004 Post Name - Project Scientist B (For Cloud Physics Lab) No. of posts - 2 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Master's Degree in Physics/atmospheric science/ Meteorology with at least 60% of marks.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech (atmospheric Science /Climate Sciences) with 60% marks or Ph.D. in any of the above subjects. • A minimum of 2 years of experience of research (after Master's degree) in Atmospheric Science. • 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. • Experience in modelling and parameterization.
<p>Job Responsibilities:</p> <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. 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 in different experiments conducted in the laboratory using appropriate software. S/he is also expected to Implementation of these laboratory measurements in numerical models to find the relevant parameterizations for cloud-microphysical processes. He/She is expected to participate in field campaign to conduct atmospheric electrical experiments and collect data.</p>

<p>Post Code - CCCR2017-001 Post Name - Project Scientist - C (For Climate Data Management and Dissemination) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. or M.Sc. in Computational Science/ Computer Applications/ Mathematics/ Applied Mathematics/ Statistics/Geophysics (Meteorology)with at least 60% of marks. • 3 years of experience in development of climate databases and the implementation of data management practices taking into account user requirements.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech./M.Sc-Tech. (Computer/Computational Science/ Computer Applications/ Mathematics/ Applied Mathematics/ Statistics/Geophysics (Meteorology)with at least 60% of marks or Ph. D. in any of the above subject. • 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. • Working knowledge in using scientific programming languages such as C, Python, shell scripting, Java, and analysis tools such as CDO, Grads, Ferret, R etc. • Work experience in Linux administration and Windows.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • To manage and maintain climate database including metadata maintenance, processing data for archival, and performing quality control checks and dissemination to end users. Manage web-server, and perform updates as required. Regular updates of website contents and participation in new web project.

<p>Post Code – CCCR2017-002 Post Name - Project Scientist – C (For Hydrometeorology applications) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. or M.Sc. in Computational Science/ Computer Applications/Electrical, Mechanical, Energy, Civil Engineering/ Mathematics/ Applied Mathematics/ Statistics / Geophysics (Meteorology) with at least 60% of marks. • 3 years of relevant research experience in climate and hydrology data processing.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech./M.Sc-Tech. with at least 60% of marks or Ph. D. in any of the above subject. • 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.
<p>Job Responsibilities:</p> <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.

<p>Post Code – CCCR2017-003 Post Name - Project Scientist – C (Analysis & Modelling) No. of posts - 3 No. (2 for GOTHAM and 1 for PACMEDY)</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. or M.Sc. with at least 60% of marks in Atmospheric Sciences/Meteorology/Oceanography (or) in Physics/Geophysics/Mathematics with meteorology or fluid dynamics as one of the subjects. • 3years’ 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. • 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.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M.Tech./M.Sc. – Tech. with at least 60% of marks or Ph.D. in any of the above subjects would be a desirable qualification and research Experience supported by publications in good impact journals would be an added advantage. • 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.
<p>Job Responsibilities:</p> <p>The selected candidate will involve configuring, executing and analyzing climate model simulations in addition to observational analysis and development of analytical models to investigate climate and monsoon research problems relevant to the GOTHAM and PACMEDY proposals. The selected candidate should interact with GOTHAM and PACMEDY partner Institutions, display ability towards development and maintenance of databases, and publish the scientific merits of the work in peer-reviewed journals.</p>

<p>Post Code - CCCR2017-004 Post Name - Project Scientist - B (For Climate Data Processing and Analysis) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E. /B.Tech or M.Sc(Computational Science/ Computer Applications/Mathematics/ Applied Mathematics/Statistics/Geophysics(Meteorology)with at least 60% of marks.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Two years of relevant research experience in data processing and analysis • Working knowledge of Computational methods for climate data processing, developing analysis tools, and designing user oriented web applications. • Working knowledge in using scientific programming languages such as Python, Java, FORTRAN, C, good expertise in handling APIs, and analysis tools such as UV-CDAT, Paraview, Matplotlib, NCL etc. • Work experience with various operating systems such as Windows, Unix/ Linux etc.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • To process and deliver climate model based reliable information, develop applications and tools for improved data access and analysis, and to prepare value added products focusing on user needs.

<p>Post Code - CCCR2017-005 Post Name - Project Scientist - B (Hydrometeorology Observations, Soil-Moisture Measurements) No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E. / B.Tech inElectrical, Electronics, Mechanical, Energy, Civil Engineering with at least 60% marks.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Master's Degree (M.Sc-Tech/M.Tech) inElectrical, Electronics, Mechanical, Energy, Civil Engineering with at least 60% marks. • Working experience and knowledge in handling, operation & maintenance of Technical and scientific Meteorological instruments, renewable energy management, network and communication of observed data. The calibration and validation of meteorological data set. • 2 years of research experience relevant to atmospheric or land surface field observations and conducting data analysis • 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 asCDO, Grads, NCL, Ferret, R, GIS etc • Work experience with various operating systems such as Windows, Unix/ Linux etc.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • To install, operate (calibration, validation and real time transmission of observed data including Soil Moisture), maintain network of hydrometeorological instruments. Conduct scientific research through analysis of hydrometeorological observations and model outputs of land surface hydrological processes.

<p>Post Code - CCCR2017-006 Post Name - Junior Scientific Assistant</p>
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No. of posts - 1 Nos.
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Sc. (Physics/ Meteorology/ Atmospheric Sciences/ Environmental Sciences/Geophysics(Meteorology) from a recognized University/ Institution with at least 60% of marks. • Minimum 1 year of research experience • Experience in installation, operation and maintenance of sensors for GHG measurement, Handling of equipment that works on CRDS/ICOS Technology. Experience in analysis of stable isotopes.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Knowledge of analytical techniques involving IRMS, Laser isotope analyzer etc. • Working knowledge of data analysis using standard graphical software. • Experience in scientific administration and supervision
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • The selected candidate is required to perform stable isotopic and statistical analysis of water, tree ring and speleothem samples. • The selected candidate needs to participate in field expeditions for collection of samples. • The selected candidate is required to maintain, trouble shooting of various analytical instruments. • The selected candidate will participate in the research project in order to develop high resolution climate records.

<p>Post Code - CCCR2017-007 Post Name -Project Visiting Scientist with expertise in Dendroclimatology No. of posts - 1 No. (For Project PACMEDY)</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Ph.D degree with vast research experience (more than 25 years) in the area of Dendroclimate (tree-ring) studies and past climate reconstructions. • The candidate should have long experience in field campaigns, collection of climate proxy samples, laboratory measurements and analysis of past climatic variations.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Good publications in the relevant field
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • The selected candidate will coordinate and participate in field expeditions to develop very high-resolution climate records from proxies (eg. Tree-rings, speleothems, sediments, corals, etc) over remote locations in India, South and Southeast Asia, required for improved understanding of past variations in regional climate and monsoons over South Asia. • Contribute to the objectives of the PACMEDY project work packages through reconstruction of past climatic data for analysis of long-term climate trend, focusing on the Indian monsoon. • The candidate will also contribute towards guiding and mentoring of next generation of dendroclimatic researchers at IITM.

<p>Post Code – NMM2017-001 Post Name - Project Manager No. of posts - 1Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Master’s degree in any stream from a recognized university preferably in the field of Earth Sciences. • Good knowledge of Information Technology (IT) and Computer operation. • At least 10 years’ experience in Govt./PSU/Autonomous Bodies in the project management the Pay Band of Rs.15600-39100 with Grade Pay of Rs. 6600/- or above.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Ph.D. in the fields of Ocean/atmospheric sciences • 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 • Retired officials with relevant experience may also apply.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • He/She will be responsible for project management of Monsoon Mission.Organising review meetings keeping records of project funds under Monsoon mission etc.

<p>Post Code – NMM2017-002 Post Name - Project Scientist D (Model development and parameterization) No. of posts - 3Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. or M. Sc with at least 60% of marks in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Mathematics or equivalent from a recognized university/institute. • A minimum of 7 year experience of research (after Master’s degree) in Atmospheric Science/Oceanography/Climate Sciences or allied fields. • Basic knowledge in model code handling and parameterization of different atmospheric processes and their representation in general circulation models.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech. with at least 60% of marks or Ph. D. in any of the above subjects would be a desirable qualification. • 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 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. • 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.
<p>Job Responsibilities:</p> <p>Scientists will be responsible for handling the model codes, its debugging, parameterization of processes in the coupled models etc for prediction purpose.</p>

Post Code – NMM2017-003

Post Name - Project Scientist D (Application development for Agriculture and hydrology)

No. of posts - 2Nos.

Essential Qualification:

- Masters Degree with at least 60% of marks in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Hydrology/ Agriculture/ from a recognized university/institute.
- A minimum of 7 year experience of research (after Master's degree) in Atmospheric Science/ Climate Sciences/Agriculture/Hydrology or allied fields. In this minimum 2 years work experience in climate application development is needed.
- A good understanding about the role and usefulness of climate services in agriculture and hydrology

Desirable Qualification:

- Ph.D. in any of the above subjects would be a desirable qualification.
- Knowledge of Atmospheric, Oceanic process, hydrology and agriculture meteorology
- Working knowledge of Atmospheric, Oceanic and Coupled General Circulation Models, Hydrology or crop modeling and application. The experience should be demonstrated through scientific reports/publications.
- Knowledge is GIS and spatial application skill
- 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.
- A good writing and communicating skill is needed.
- Knowledge of UNIX/LINUX System Administration would be an added advantage.

Job Responsibilities:

- Scientist will be responsible for developing climate applications in the field of agricultural and hydrology using short range to long range forecast including sub seasonal forecast from coupled models .

Post Code – NMM2017-004

Post Name - Project Scientist C(Model diagnostics)

No. of posts - 2Nos.

Essential Qualification:

- B.E./B.Tech. or M. Sc with at least 60% of marks in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or equivalent from a recognized university/institute.
- A minimum of 3 year experience of research (after Master's degree) in Atmospheric Science/Oceanography/Climate Sciences or allied fields

Desirable Qualification:

- M. Tech. /M.Sc.-Tech. with at least 60% of marks or Ph.D. in any of the above subjects would be a desirable qualification.
- 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.

Job Responsibilities:

To analyze the model outputs and diagnosing the errors and model performances.

<p>Post Code – NMM2017-005 Post Name - Project Scientist C(Parameterization) No. of posts - 4Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B.Tech. or M. Sc. with at least 60% of marks in Electronics/ Physics/ Mathematics/ Meteorology/ Oceanography/ Atmospheric Sciences or equivalent from a recognized university/institute. • A minimum of 3 year experience of research (after Master's degree) in Atmospheric Science/Oceanography/Climate Sciences or allied fields
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech. /M.Sc.-Tech. with at least 60% of marks or Ph.D. in any of the above subjects would be a desirable qualification • A good knowledge in climate processes and their representation in Models as indicated by research publications. • A basic knowledge of different parameterization processes is needed. • 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.
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Scientist will be working on different schemes using for convection, radiation, sea ice in the models and modification as needed for monsoon prediction.

<p>Post Code – NMM2017-006 Post Name - Project Scientist C (Application development for agriculture and hydrology) No. of posts - 1No.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Masters Degree with at least 60% of marks in Meteorology/ Oceanography/ Atmospheric Sciences/ Physics/ Geophysics(Meteorology)/ Agriculture/Agricultural meteorology/ Hydrology or equivalent from a recognized university/institute. • A minimum of 3 year experience of research (after Master's degree) in Atmospheric Science/Oceanography/Climate Sciences or allied fields.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Ph.D. in any of the above subjects would be a desirable qualification. • A good understanding about the role and usefulness of climate services in agriculture. 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
<p>Job Responsibilities: Scientist will be responsible for developing application for the use of agricultural and hydrology purposes.</p>

<p>Post Code - NMM2017-007 Post Name - Computer Application Supporting Scientist No. of posts - 1Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • Master in computer applications (MCA)/ B.E./ B. Tech (computer Science)/IT. • A minimum of 3 year in field of IT/Computer/Science and similar field • Adequate knowledge of webpage designing, data uploading, porting software etc.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • 60% marks in the qualifying degree. • 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 programe 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
<p>Job Responsibilities: Development of webpage for monsoon mission and supporting to dismantle the applications developed by the mission</p>

<p>Post Code - NFAR2017-001 Post Name - Project Assistant (for NFAR) No. of posts - 2 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./ B.Tech. with at least 60% marks (Electronics & Communication/ Electronics/ Instrumentation/ Mechanical/ Aeronautics) Or • M.Sc. (Physics/ Instrumentation/ Electronics /Geophysics(Meteorology)with at least 60% marks.
<p>Desirable Qualification: 1 year experience in Avionics, airborne platform for atmospheric measurements, maintenance of atmospheric instrumentation and data acquisition, data management and data analysis, Computer programming skills (like Fortran, Matlab). Should be ready to work in field campaigns anywhere in India</p>
<p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Participate in field campaigns, experiment planning, execution of field campaigns, data collection, data quality control, instrument calibration, maintenance etc. • Participate in scientific/technical administration etc.

<p>Post Code -NITI2017-001 Post Name - Project Scientist - C (for development of High resolution Global (12km) short range ensemble prediction system No. of posts - 1 Nos.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • A Masters Degree with at least 60% of marks in Atmospheric Science/ Meteorology/ Oceanography/ Physics/Geophysics(Meteorology)from a recognized University/ Institution. • A minimum of 3 years of experience of research (after Master's degree) in Atmospheric and or Oceanic Sciences as evidenced by published papers.

Desirable Qualification:

- Ph.D. in any of the above subjects
- 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 format like NetCDF, HDF, GRIB etc.
- 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.

Job Responsibilities:

- 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 - NATCOM2017-001**Post Name - Project Assistant(For NATCOM-III Project)****No. of posts - 1 Nos.****Essential Qualification:**

- B.E./B.Tech/M. Sc. with at least 60% of marks in Atmospheric Science/Meteorology / Geophysics(Meteorology)having basic knowledge of Statistics.

Desirable Qualification:

- M.Tech. with at least 60% of marks.
- Some experience in scientific data analysis, applications of statistical techniques, handling gridded data in NetCDF format; Basic knowledge of programming language

Job Responsibilities:

- Data analysis of Climate model outputs

Post Code - HPC2017-001**Post Name - Project Scientist - D (For High Performance Computing Program)****No. of posts - 5 Nos.****Essential Qualification:**

- BachelorsDegree in Engineering or Technology in Computer Science or Information Technology with at least 60% of marks from a recognized University/ Institution.
Or
Masters Degree with at least 60% of marksin Computer Science, Computer Applications or Information Technology from a recognized University/ Institution.
- A minimum of 07 years of Post qualification working experience in High Performance Computing Systems, technologies and its related software's/ applications.

Desirable Qualification:

- Ph.D. in the above subjects would be a desirable qualification.
- Experience in development of system software, tools and applications used in high performance computing environment would be desirable.
- Proven Experience and certifications in HPC Systems platforms like Tivoli, LFS, GPFS, HSM, linux cluster-environments and managements tools is desirable.

- 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 format like NetCDF, HDF, GRIB etc.
- Ability to work in large groups.
- Knowledge of HPC Systems Administration would be an added advantage.

Job Responsibilities:

To work in development and troubleshooting of various HPC applications related issues.

Post Code - HPC2017-002

Post Name - Project Scientist - C (For High Performance Computing Program)

No. of posts - 1 Nos.

Essential Qualification:

- BachelorsDegree in Engineering or Technology in Computer Science or Information Technology with at least 60% of marksfrom a recognized University/ Institution.
Or
Masters Degree with at least 60% of marksin Computer Science, Computer Applications or Information Technology from a recognized University/ Institution.
- A minimum of **03** years of Post qualification working experience in High Performance Computing Systems, technologies and its related software's/ applications.

Desirable Qualification:

- Ph.D. in the above subjects would be a desirable qualification.
- Experience in system and servers administration particularly in linux environment.
- Experience is management of system/servers software various tools and applications.
- Proven Experience and certifications particularly in linux, networking, storage, cluster-environments and managements tools is desirable.
- Ability to work in large groups.
- Knowledge of HPC Systems Administration would be an added advantage.

Job Responsibilities:

To work in development and troubleshooting of various HPC related issues.

Post Code - HPC2017-003

Post Name - Project Scientist - B (For High Performance Computing Program)

No. of posts - 2 Nos.

Essential Qualification:

- BachelorsDegree in Engineering or Technology in Computer Science or Information Technology with at least 60% of marksfrom a recognized University/ Institution.
Or
Masters Degree with at least 60% of marksin Computer Science, Computer Applications or Information Technology from a recognized University/ Institution.

Desirable Qualification:

- A minimum of 02 years of Post qualification working experience in High Performance Computing Systems, technologies and its related software's/ applications.
- Experience is development of system software's, tools and applications used in high performance computing environment would be desirable.
- Experience in system and servers administration particularly in linux environment.
- Experience is management of system/servers software various tools and applications.
- Proven Experience and certifications particularly in linux, networking, storage, cluster-environments and managements tools is desirable.
- Ability to work in large groups.

- Experience in using Programming languages (like FORTRAN-90, C/C++ etc.), Shell scripting; Meteorological data analysis tools (like GrADS, FERRET, NCL, NCO, CDO etc.)
- Knowledge of HPC Systems Administration would be an added advantage

Job Responsibilities:

To work in development and support of various HPC related issues.

Post Code - UDC2017-001

Post Name - Upper Division Clerk

No. of posts - 8 Nos.

Essential Qualification:

- Bachelor's degree from a recognised university.
- Basic Knowledge of Computer operation
- 3years 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 - SO2017-001

Post Name - : Section Officer - Administration/Purchase/Accounts

No. of posts - 2 Nos.

Essential Qualification:

- Masters Degree from recognized University;
- Operational computer knowledge
- Three (03) years experience preferably in Government Department/Autonomous Bodies/PSU

Desirable Qualification:

- 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 Manager/Joint Manager (Administration) & to look after the Administration section