

भारतीय उष्णदेशीय मौसम विज्ञान संस्थान (आईआईटीएम)
डॉ. होमी भाभा मार्ग, पाषाण, पुणे 41108
विज्ञापन सं. कार्मिक/11/2018



पूर्णतया लघु अवधि अनुबंध आधार पर परियोजना वैज्ञानिक/ अनुभाग अधिकारी/प्रश्लेखि की भर्ती

भारतीय उष्णदेशीय मौसम विज्ञान संस्थान) 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 | 1 | 50 वर्ष |
| 2. | परियोजना वैज्ञानिक सी | रु 58,000/-, तथा मकान किराया भत्ता | 4 | 40 वर्ष |
| 3. | परियोजना वैज्ञानिक बी (अनुसूचित जाति के लिए 01, अनुसूचित जनजाति के लिए 01) | रु 49,000/-, तथा मकान किराया भत्ता | 3 | 35 वर्ष |
| 4. | अनुभाग अधिकारी | रु 44,900/-, तथा मकान किराया भत्ता | 1 | 35 वर्ष |
| 5. | प्रवर श्रेणी लिपिक | रु 25,500/-, तथा मकान किराया भत्ता | 2 | 28 वर्ष |

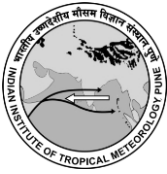
नियुक्ति प्रारंभ में पूर्णतया अस्थायी एवं अनुबंध आधार पर केवल एक वर्ष की अवधि के लिए है तथा बाद में निष्पादन के आधार पर (दो साल तक) बढ़ायी जा सकती है।

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.tropment.res.in/Careers> पर प्रस्तुत करें।

आवेदन की हार्ड कॉपी स्वीकार नहीं की जाएगी।

ऑनलाइन आवेदन प्रस्तुत करने की सुविधा दिनांक 14 नवंबर 2018 (15.00) बजे को प्रारंभ होगी और दिनांक 30 नवंबर 2018 को बंद हो जाएगी।



INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
Dr. Homi Bhabha Road, Pashan, Pune-411008

ADVERTISEMENT NO. PER/11/2018



RECRUITMENT OF PROJECT SCIENTISTS/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 | 01 | 50 years |
| 2. | Project Scientist C | Rs. 58,000/- + HRA | 04 | 40 years |
| 3. | Project Scientist B (For SC- 1, ST - 1) | Rs. 49,000/- + HRA | 03 | 35 years |
| 4. | Section Officer | Rs. 44,900/- + HRA | 01 | 35 years |
| 5. | UDC | Rs. 25,500/- + HRA | 02 | 28 years |

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

Upper age limit is relaxed 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 14th November 2018 (15:00 hours) and close on 30th November 2018.

INSTRUCTIONS

1. The last date of submission of online application is 30-11-2018. 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**

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|--------------------------------------|----------|
| 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 the post of Upper Division Clerk | 28 years |
| Section Officer | 35 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 Scientific 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.

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| <p>Post Code - DESK/2018-001</p> <p>Post Name - Project Scientist -D (1 post) (For Air Quality, Modeling, MoES-UCAR joint Project on data assimilation)</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Tech. (Atmospheric Science/ Climate Science/ Earth Science System and Technology/ Environmental Sciences) with at least 60% marks from recognized University / Institute OR Masters degree in Physics/Mathematics/ Atmospheric Sciences/ Environmental Sciences / Geophysics (Meteorology) with at least 60% marks from recognized University / Institute • Minimum 7 years of experience in Atmospheric regional/global chemistry transport modeling, satellite data analysis relevant to air quality modeling as evidenced by publication relevant field as evidenced by publications. |
| <p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Ph.D. in any of the above subjects. • Experience in running air quality forecasting models (like WRF-Chem or CMAQ) and global models (like MOZART 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.) 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. |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Selected candidate has to develop chemical data assimilation system using satellite and surface data for improving chemical initial conditions and run the global and city-scale air quality forecasting system. • Selected candidate is expected to engage in teaching and R & D activities of DESK Program at IITM. |

Post Code – DESK/2018-002

Post Name - Project Scientist – C (1 post) (For Ecosystem Modeling with linkage to Fisheries)

Essential Qualification:

- M.Sc. with at least 60% marks in Fishery Oceanography / Fishery Sciences / MFSc/ Industrial Fisheries/ marine Biology from a recognized University / Institute.
- Minimum of 3 years of experience in relevant field as evidenced by publications.

Desirable Qualification:

- Ph.D. in any of the above subjects.
- Experience in Indian Ocean costal 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 experience in relevant field of ocean biogeochemistry, ocean ecosystem and fisheries.

Job Responsibilities:

- Work with scientists to couple dynamical ecosystem prediction model to fish and fisheries for potential fishery zone prediction around Indian coastal waters.
- 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 DESK Program at IITM.

Post Code – DESK/2018-003

Post Name - Project Scientist – C (1 post) (For Short Term Climate Variability, Predictability and Applications)

Essential Qualification:

- B.E./B.Tech./M.Sc. (Physics/Atmospheric Sciences/Meteorology/RS-GIS/ Statistics/ Computer Applications/Applied Mathematics) from recognized University/ Institution with at least 60% marks.
- A minimum 3 years of experience in the field of climate variability and teleconnections, Monsoon research; analysis of climate model outputs etc. as evidenced by published research

Desirable Qualification:

- M.Tech. (Atmospheric Science/Climate Science) with 60% marks or Ph.D. in Atmospheric Science / Statistics.
- Research experience supported by publications in relevant topic in good impact journals would be an added advantage.
- Knowledge of operating systems like LINUX and WINDOWS, Expertise in R &/ PYTHON and analysis and visualization softwares like xmgrace, GrADS, MATLAB, CDO, NCL etc.
- Experience in handling large volume of climate model outputs ; data formats like NETCDF, HDF and meteorological data, especially rainfall and temperature data sets.
- Knowledge of simple statistical tools.

Job Responsibilities:

- Analysis of observed rainfall and temperature data, prepare various plots and maps and develop website.
- Extraction and analysis of high resolution regional climate models and dissemination of data to impact assessment groups.
- Selected candidate is expected to engage in teaching and R & D activities of DESK Program at IITM.

Post Code - DESK/2018-004

Post Name - Project Scientist - C (1 post) (For Development of Decadal Prediction System)

Essential Qualification:

- A Masters Degree or equivalent in Atmospheric Science/ Meteorology/ Oceanography/ Physics/Mathematics/ Geophysics from a recognized University/ Institution with at least 60% marks at Post Graduation.
- A minimum of 3 years of experience of research (after Master's degree) in coupled ocean atmosphere modelling or ocean modelling as evidenced by published papers. .

Desirable Qualification:

- Ph.D. in Atmospheric Science or Physical Oceanography
- M.Tech. in Atmospheric Science or Physical Oceanography
- Good track record of peer reviewed publications in high impact journals
- 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:

- To develop a decadal prediction system.
- Selected candidates are expected to engage in teaching activities of Training Program at IITM.

Post Code - CAIPEEX2018-001

Post Name - Project Scientist - C (1 post) (For Flare testing laboratory)

Essential Qualification:

- Masters degree (M.Sc./ M.Tech.) with at least 60% marks in Physics/Chemistry/Applied Chemistry / Material Sciences/Atmospheric Sciences/ Meteorology /Geophysics(Meteorology) from a recognized university/Institute
- Minimum of 3 years research experience in laboratory/field measurements of aerosol as evidenced by publications

Desirable Qualification:

- M.Tech. in Atmospheric science/Material Science with 60% marks or Ph.D. in any of the above subjects would be a desirable qualification .
- Experience and demonstrated ability with laboratory/field studies on the Aerosol/CCN/IN activation characteristics and microphysical processes
- Demonstrated experience in using SEM/TEM, Aerosol Mass Spectrometer etc. would be desirable
- Research experience supported by publications in relevant topics.

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, including AMS, calibrated for ready use

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| <p>Post Code – CAIPEEX/2018-002 Post Name - Project Scientist –B (1 post) (For Winter Fog Field Experiment)</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Sc. in Environmental Science/ Atmospheric Sciences/ Physics/ Geophysics (Meteorology) with minimum 60% marks from a recognized University / Institute. • Minimum 2 years of experience in operating relevant atmospheric instrumentation, maintenance of instruments and data acquisition evidenced by publications/ report or field experience. |
| <p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Candidate should be ready to work in field campaign anywhere in India. • 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. |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Selected Candidate has to participate in field campaign, data collection, calibration & upkeep of Instruments, analysis of data, run fog forecasting model, prepare forecasting reports. |
| <p>Post Code – CAIPEEX2018-003 Post Name - Project Scientist – B (1 post) (For RADAR operations)</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • B.E./B. Tech. with at least 60% of marks in Civil/Mechanical/Electronics / Electronics and Telecommunication from a recognized university/Institute. • Minimum 2 years of experience after B.E. / B.Tech. for meteorological field campaign / RADAR meteorological data, and operation of RADAR |
| <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. • Demonstrated experience with radar operations, GIS applications for hydrological products generation, TITAN or other product development tools, etc. |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • RADAR Engineer 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 – CAIPEEX2017-004 Post Name - Project Scientist – B (1 post) (for Aerosol observational studies)</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • M.Sc. with 60% of marks in Physics/Chemistry/Atmospheric Science/ Meteorology/ Geophysics(Meteorology) or B.E /B Tech Mechanical/Material science with at least 60% of marks from a recognized university/Institute • Minimum 2 years of experience after obtaining degree in atmospheric aerosol observational or laboratory studies |
| <p>Desirable Qualification:</p> <ul style="list-style-type: none"> • M. Tech in atmospheric/Climate Science/Material 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 |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • 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 |

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| <p>Post Code - DESK/2018-005 Post Name - Section Officer (1 post) (Administration / Finance/ Purchase) No. of posts - 1 post</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • Bachelor degree from recognized University • Operational Computer knowledge • Five years of experience preferably in Government Department / Autonomous Bodies / PSU of which at least 3 years should be in a supervisory grade |
| <p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Masters / Post Graduate Diploma 3 years duration) in Human Resource Management / Personnel Management/ Labor Management or MSW from recognized University / Institute. • Having 3 years of experience in handling Administration / Establishment/ Purchase/ General Administration preferably in Government Department PSU/Autonomous Bodies in PB-02 with GP 4200 (Level 6 as per 7th CPC) |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • To assist DESK program office (Administration) and to look after the Administration Section. |

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| <p>Post Code - DESK/2018-006 Post Name Upper Division Clerk (2 posts) (for Front Desk / Event Coordination/ Computer Data Operation)</p> |
| <p>Essential Qualification:</p> <ul style="list-style-type: none"> • Bachelor degree with minimum 2 years of experience in event coordination or Scientific Administration in Government/ Semi-Government / NGO/ PSU or any reputed private firms. |
| <p>Desirable Qualification:</p> <ul style="list-style-type: none"> • BCA/ BSc. Computer Science/ B.E.- B.Tech. in Computer Science/ B.Com/ B.A. Mass Communication / B.A. English / BBA • Diploma / Post Graduate Diploma in Event Management (DEM/ PGDEM) • Minimum 2 years of experience in web site designing, web site maintenance, website administrator or data-base management, design of posters/ banners. • Excellent communication skill (Oral and Written) in English and Hindi • Proven experience of ability to coordinate National/ International workshops / symposia/ seminars • Knowledge of various forms of Government letters, administrative orders, government financial rules and employment code and conduct rules. |
| <p>Job Responsibilities:</p> <ul style="list-style-type: none"> • Coordinate National / International workshops/ symposia/ seminars / conferences at DESK, IITM. • Design online application for workshop/ symposia/ conference/ seminars at IITM. • Coordinate among various sections (Accounts, Transport and Guest House etc.) of IITM for DESK Workshops/ symposia. Seminars/ conferences etc.) |