

EARTH SYSTEM SCIENCE ORGANIZATION (ESSO)
Ministry of Earth Sciences, Government of India
INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE-411008
Advertisement No. PER/4/2014

The Indian Institute of Tropical Meteorology (IITM), Pune, an autonomous research organization under ESSO/MoES, fully devoted to cutting edge research in various aspects of climate science is looking for recruiting bright talented candidates of Indian origin to fill the following Scientists positions at this Institute as under:

S.No	Scientific positions	No Of Posts	Pay Band	Grade Pay
1.	Scientist 'D' - Centre for Climate Change Research	10	₹. 15600-39100	₹ 7600
2.	Scientist 'D' - Centre for Advanced Training	04	₹. 15600-39100	₹ 7600
3.	Scientist 'D' - National Monsoon Mission	03	₹. 15600-39100	₹ 7600

Its activities include training to post graduates and motivate them to take up research careers in Atmospheric and Oceanic Sciences required for improving the skill of weather and climate prediction systems. A Centre for Climate Change Research (CCCR) has been established at IITM to address all science issues related to Climate Change and Indian monsoon; and the Centre for Advanced Training on Earth System Science and Climate has started its academic session from August 2011 and the third batch of 23 trainees will complete their training in Dec'2014. To cater to the modelling needs, a High Performance Computing (HPC) Centre has been set up with peak performance of 70.2 TF and will be upgraded further to 750 TF in the near future. The Institute has excellent infra-structural facilities and also has the state of the art equipments for field observations. It has MoU with University of Pune for carrying out work leading to the award of M.Tech. and Ph.D. Degrees in Atmospheric Sciences and allied subjects.

For details of the posts please visit the Institute's website <http://www.tropmet.res.in/~cdd/job/index-scd.php>. Aspiring candidates please submit their applications, separately for all the Scientific positions in the proforma with detailed CV, a list of publications and other relevant papers to the Director of this Institute by 15th April, 2014.

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The Indian Institute of Tropical Meteorology (IITM), Pune, an autonomous research organization under ESSO/MoES, fully devoted to cutting edge research in various aspects of climate science is looking for recruiting bright talented candidates of Indian origin to fill 17 positions of Scientists 'D' at this Institute as under:

S.No	Scientific positions	No Of Posts	Pay Band	Grade Pay
1.	Scientist 'D' - Centre for Climate Change Research	10	₹. 15600-39100	₹ 7600
2.	Scientist 'D' - Centre for Advanced Training	04	₹. 15600-39100	₹ 7600
3.	Scientist 'D' - National Monsoon Mission	03	₹. 15600-39100	₹ 7600

The Institute is well known for its contribution in understanding monsoon variability and predictability. Its activities include training to post graduates and motivate them to take up research careers in atmospheric and oceanic sciences required to improve prediction skill of weather and climate. A Centre for Climate Change Research (CCCR) has been established at IITM to address all science issues related to Climate Change and Indian monsoon. To cater to the modelling needs, a High Performance Computing (HPC) Centre has been set up with peak performance of 70 TF and is being further upgraded to 750 TF. The Institute has excellent infra-structural facilities and also has the state of the art equipments for field observations such as an Ka Band Radar, X-Band Radar, a LIDAR Wind Profiler, a Microwave Radiometer, a variety of other LIDARs for aerosol measurements and a stable isotope radio mass spectrometer laboratory for paleoclimatic studies. It has a MoU with University of Pune for carrying out work leading to the award of M.Tech. and Ph.D. Degrees in Atmospheric sciences and allied subjects.

Requirements for the post are as under :

Scientist 'D' - 10 posts - Centre for Climate Change Research

Pay Band Rs. 15600-39100 and Grade Pay Rs. 7600 plus allowances admissible to Central Govt. employees stationed at Pune;

Essential Qualifications :

Master's Degree or equivalent in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics or a Degree in Engineering or Technology from a recognized University/Institution with good scientific standing and with at least first class (60% marks) in the qualifying degree level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks) in the qualifying degree level.

Desirable Qualifications :

Preferably a Doctorate in any one of the above subject with 07 years experience in research.

Proven expertise in any of the research areas viz., Physical Processes, Earth System model development, Climate Scenarios Development, Impact Assessment, Climate Predictions, Climate Variability Diagnostics, Climate Model Biases, Land surface Process-Climate interaction, Chemistry Climate in relation to Indian Monsoon, Expertise in biogeo chemistry modeling in Earth System Model, Expertise in aerosol-chemistry modeling in Earth System Model, hydrological application of climate model products.

Experience in policy making, planning or management etc. in the specified field.

Age Limit : 50 years as on 15th April. 2014.

Scientist 'D' - 4 posts - Centre for Advanced Training

Pay Band Rs. 15600-39100 and Grade Pay Rs. 7600 plus allowances admissible to Central Govt. employees stationed at Pune;

Essential Qualifications :

Master's Degree or equivalent in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics or a Degree in Engineering or Technology from a recognized University/Institution with good scientific standing and with at least first class (60% marks) in the qualifying degree level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks) in the qualifying degree.

Desirable Qualifications :

Preferably a Doctorate in any one of the above subject with 07 years experience in research.

Proven expertise in any of the research areas viz., coupled ocean-atmosphere modelling and seasonal prediction of monsoon; climate dynamics and climate modelling; dynamics and thermodynamics of tropical air-sea interactions; assimilation of satellite and conventional data for climate predictions; parameterization of tropical convection; physical oceanography of the tropical ocean in general and Indian Ocean in particular and role of Ocean processes on Indian monsoon; diagnosing climate variability and climate model biases; understanding of the Asian monsoon and its variability; Atmospheric Radar Technology and Radar Meteorology.

Experience in policy making, planning or management etc. in the specified field.

Age Limit : 50 years as on 15th April. 2014.

Scientist 'D' - 3 posts - National Monsoon Mission

Pay Band Rs. 15600-39100 and Grade Pay Rs. 7600 plus allowances admissible to Central Govt. employees stationed at Pune;

Master's Degree or equivalent in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics or a Degree in Engineering or Technology from a recognized University/Institution with good scientific standing and with at least first class (60% marks) in the qualifying degree level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks) in the qualifying degree level.

Desirable Qualifications:

For Post-1 :

Ph. D. in Atmospheric Sciences / Oceanography or related Sciences with minimum 4 years proven experience in Atmospheric modeling / Ocean Modeling/ Coupled Ocean Atmospheric Modeling, supported by published papers in peer reviewed journals. Suitable Experience in Land surface modeling and related process studies (at least 2 years).

For Post-2 :

Ph. D. in Atmospheric Sciences / Oceanography or related Sciences with minimum 4 years proven experience in Atmospheric modeling / Ocean Modeling/ Coupled Ocean Atmospheric Modeling, supported by published papers in peer reviewed journals. Suitable Experience in Ocean modeling & parameterization physical process (at least 2 years).

For Post-3 :

Ph. D. in Atmospheric Sciences / Oceanography or related Sciences with minimum 4 years proven experience in Atmospheric modeling / Ocean Modeling/ Coupled Ocean Atmospheric Modeling, supported by published papers in peer reviewed journals. Suitable Experience in multi-scale multi-cloud parameterization / Stochastic parameterization (at least 2 years).

Experience in policy making, planning or management etc. in the specified field.

Age Limit : 50 years as on 15th April, 2014.

General :

The upper age limit is relaxable by 5 years for candidates belonging to SC/ST and 3 years for candidates belonging to the Other Backward Class, and as per rules for ex-servicemen and physically handicapped persons. There is no age limit for IITM and Government employees.

Aspiring candidates may submit their applications along with their CV online: <http://www.tropmet.res.in/~cdd/job/index-scd.php> by 15th April 2014. The candidates should arrange three letters of reference to be sent directly to the undersigned from three scientists/Gazetted Officers of Govt. of India familiar with the candidate's work. Candidates called for interview will be paid Sleeper Class to and fro train fare by the shortest route on production of original tickets.

The Director

Indian Institute of Tropical Meteorology

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