

INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE411008
(An autonomous Institute under Ministry of Earth Sciences, Government of India)

Advertisement No. PER/05/2011

Opportunities for Talented Young Scientists in Climate Science

The Indian Institute of Tropical Meteorology (IITM), Pune, an autonomous research organization, fully devoted to research in various aspects of climate science is looking for recruiting bright talented candidates of Indian origin to fill **15 Research Scientist positions and 01 Engineer/Scientist at this Institute.**

Its activities include training to post graduates and motivate them to take up research careers in atmospheric and oceanic sciences required to improve the skill of weather and climate prediction models. A Centre for Climate Change Research (CCCR) has also been established at IITM to address all science issues related to Climate Change and Indian monsoon. Also, the Centre for Advanced Training will start its academic session with 20 trainees from August 2011. To cater to the modelling needs, a High Performance Computing (HPC) Centre has been set up with peak performance of 70 TF. 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>. Aspiring candidates please submit your applications, separately for Scientific Positions and Engineer./Scientist in the proforma with detailed CV, a list of publications and other relevant papers to the Administrative Officer of this Institute by 30 June 2011.

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Opportunities for Talented Young Scientists
in Atmospheric Science

The Indian Institute of Tropical Meteorology (IITM), Pune, an autonomous research organization, fully devoted to research in various aspects of climate science is looking for recruiting bright talented candidates of Indian origin to fill **15 Scientist positions and 01 Engineer/Scientist at this Institute.**

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. The Institute has excellent infra-structural facilities and also has the state of the art equipments for field observations such as an 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 for paleoclimatic studies. 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..

Aspiring candidates please submit your applications in the proforma with detailed CV, a list of publications and other relevant papers to the Administrative Officer of this Institute by 30 June 2011.

Requirements for the posts are as under :

(I) Scientist 'E' 03 Posts (Unreserved)

Scale of Pay : Rs. 37400-67000, Grade Pay Rs. 8700 plus allowances admissible to Central Govt. employees stationed at Pune.

Essential Qualifications :

- (i) A Doctorate or equivalent in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics from a recognized university/ institution with good scientific standing.

- (ii) A minimum of 8 years experience of research work (5 years of which should be after Ph.D.) and high capacity for guiding and coordinating research in Atmospheric and Oceanic Sciences (as evidenced by published papers and guidance to Post Graduate and Ph.D. students).

Desirable Qualifications :

The candidates must have Administrative and organizational experience in a recognized Scientific Institution and must have demonstrated scientific leadership including guidance of research students. In addition, the candidate must have leadership contribution in any of the research areas viz. coupled ocean-atmosphere modelling and seasonal prediction of monsoon, extended prediction of active and break spells of monsoon, climate dynamics through climate modelling, dynamics and thermodynamics of air-sea interactions in tropics and its influence on Indian monsoon, data assimilation for climate models, parameterization of tropical convection and climate change.

Upper Age Limit : 50 years as on 1 January 2011.

- (II) **Scientist 'D' : 06 posts (05 posts for General candidates and 01 post reserved for Hearing Handicapped)**

Scale of Pay : Rs. 15600-39100, **Grade Pay :** Rs. 7600 plus allowances admissible to Central Govt. employees stationed at Pune.

Essential Qualifications :

- (i) A Doctorate in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics from a recognized University / Institution.
- (ii) A minimum of 6 years experience of research (2 years should be after Ph.D. in Atmospheric and / or Oceanic Sciences (as evidenced by published papers).

Desirable Qualifications :

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 Indian Ocean processes on Indian monsoon, diagnosing climate variability and climate model biases and understanding of the Asian monsoon and its variability, Atmospheric Radar Technology and its application for weather and climate observations and climate change. Earth System modelling, Biogeochemistry and Carbon cycle observations and modelling, Hydrological modelling.

Upper Age Limit : 45 years as on 1 Jan. 2011.

(III) Scientist 'C' : 06 posts (05 posts for General candidates and 01 post reserved for Visually Handicapped)

Scale of Pay : Rs. 15600-39100, Grade Pay Rs. 6600/- plus allowances admissible to Central Govt. employees stationed at Pune.

Essential Qualifications :

- (i) Master's Degree preferably a Doctorate in Meteorology, Atmospheric Sciences, Oceanography, Physics, Mathematics, Applied Mathematics, Statistics, Applied Physics, Geophysics, Electronics, B.E./B.Tech./M.Tech. (Electronics/Electrical Engineering) degree from a recognized university/institution.
- (ii) A minimum of 5 years experience of research in Atmospheric and/or Oceanic Sciences related to weather and climate (as evidenced by published papers).

Desirable Qualifications :

Proven expertise in any of the research areas viz., diagnosing climate variability and climate model biases and a deep understanding of the Asian monsoon and its variability, modelling of land surface processes and their impact on climate, assimilation of satellite and conventional data to AGCMs and oceanic data to OGCMs, dynamics and thermodynamics of convection and interaction between clouds and environment. Atmospheric Radar Technology and its application for weather and climate observations, nonlinear dynamics applied to atmospheric predictability and nonlinear time series modelling and Climate Change.

Upper Age Limit : 40 years as on 1 Jan. 2011

(IV) Engineer (Electrical)/Scientist 'C' : 01 post (Unreserved)

Scale of Pay : Rs. 15600-39100, Grade Pay Rs. 6600/- plus allowances admissible to Central Govt. employees stationed at Pune.

Essential Qualifications :

- (i) B.E./B.Tech (Electrical) from recognized Universities/Institutions .
- (ii) Should possess more than 3 years working experience in planning, execution and certification of project for electrical LT and HT works including operations and maintenance.

Desirable Qualifications :

- (i) Handling of HVAC, high capacity UPS Systems, Synchronized multiple DGs, transformers, electrical works, fire fighting and building management with knowledge of preventive, predictive and breakdown maintenance.

- (ii) Should have thorough knowledge in electrical designs, drawings, executions and maintenance of 22KV electrical substation setup.

Upper Age Limit : 40 years as on 1 January 2011.

Age Limit Relaxable :

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.

Application on plain paper together with detailed CV and list of publications should reach the undersigned by 30 June 2011. The candidates should arrange three letters of reference to be sent directly to the undersigned from three scientists familiar with candidate's work. Separate applications should be submitted for each post. Candidates called for interview will be paid Sleeper Class to and fro train fare by the shortest route on production of original tickets.

The Administrative Officer
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