

(Advertisement No. PER/12/2007)

The Indian Institute of Tropical Meteorology (IITM) is an autonomous Institute fully funded and administered by the Ministry of Earth Sciences, Government of India. IITM functions as a National Centre for Research in Tropical Meteorology and has scientifically and academically stimulating environment for research in applied and fundamental aspects of ocean-land-atmosphere interactions in the tropics. The Institute derives its strength from co-existence of a group of scientists on theoretical and modeling studies together with a large group of scientists on diagnostic studies and field observations. It has excellent infrastructural facilities such as high-end computers, library, workshop, experimental laboratories and support for field experiments. IITM has very strong interlinks with the India Meteorological Department, the University of Pune and several other relevant national and international organizations. IITM has been recognized by several Indian Universities as a Centre of Advanced Research for carrying out work leading to the award of M.Sc., M.Tech. and Ph.D. Degrees in Atmospheric Sciences and allied subjects. For more details, please visit the Institute's website (<http://www.tropmet.res.in>).

The IITM is looking for recruiting bright talented candidates of Indian origin for the following positions to do research in the areas of **(i) Development of a Dynamical Prediction System of Seasonal Mean Monsoon Rainfall, (ii) Extended Range Prediction System for Active and Break Spells of the Monsoon, (iii) Science of Climate Change and Climate Variability, and (iv) Interaction between Tropical Convection and Environment.**

Requirements for the posts are as under:

(I) Scientist `E` - 3 Posts

Scale of Pay: Rs. 14300 - 400 - 18300 plus allowances admissible to Central Govt. employees stationed at Pune (Total emoluments at minimum of the scale presently amount to Rs.34573/- approx.)

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

Upper Age Limit: 50 years as on December 1, 2007.

(II) Scientist `D` - 6 Posts

Scale of Pay: Rs. 12000 - 375 - 16500 plus allowances admissible to Central Govt. employees stationed at Pune (Total emoluments at minimum of the scale presently amount to Rs. 29,190/- approx.).

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., palaeo-climate reconstruction and analysis, and interpretation of palaeoclimate data, and expertise in Stable Isotope Radio Mass Spectrometry, coupled ocean-atmosphere modeling and seasonal prediction of monsoon, climate dynamics and climate modeling, dynamics and thermodynamics of tropical air-sea interactions, science of climate change and its influence on Indian monsoon, 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 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.

Upper Age Limit: 45 years as on December 1, 2007.

(iii) Scientist `C` - 6 Posts

Scale of Pay: Rs. 10,000-325-15,200 plus allowances admissible to Central Govt. employees stationed at Pune (Total emoluments at minimum of the scale presently amount to Rs.24,510/- approx.).

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, modeling 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 modeling.

Upper Age Limit: 40 years as on December 1, 2007.

(IV) Scientist 'B' – 5 Posts (2 posts for U.R., 2 posts for O.B.C. and 1 post for S.C.)

Scale of Pay: Rs. 8,000-275-13,500 plus allowances admissible to Central Govt. employees stationed at Pune (Total emoluments at minimum of the scale presently amount to Rs.19,830/- approx.).

Essential Qualifications

- (i) Master's Degree 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 3 years experience of research in atmospheric and/or oceanic sciences related to weather and climate (as evidenced by published papers).

Desirable Qualifications

Proven understanding of any of the research areas viz., understanding of the Asian monsoon and its variability, land surface processes and their impact on climate, experience in dynamics and thermodynamics of convection and interaction between clouds and environment, Atmospheric Radar Technology and its application for weather and climate observations and all the relevant aspects.

Upper Age Limit: 35 years as on December 1, 2007.

Age Limit Relaxation

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 indicating the name of the posts (e.g. Scientist E, D, C and B) together with detailed CV and list of publications should reach the undersigned by **22nd January, 2008**. 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 & fro** train fare by the shortest route on production of original tickets.

The Administrative Officer

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