

EARTH SYSTEM SCIENCE ORGANIZATION (ESSO)
Ministry of Earth Sciences, Government of India
INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE-411008
Advertisement No. PER/8/2013
Opportunities for Talented Young Scientists in Climate Science/Engineers
and Administrators

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 Research Scientists and Administrative positions at this Institute as under:

S.No.	Scientific/Administrative Positions	Pay Band	Grade Pay
1.	Scientist 'D'/Engineer - HPC Applications	Rs.15600-39100	Rs.7600
2.	Scientist 'D'/Engineer - Radar Meteorology	-do-	-do-
3.	Scientist 'D' Land Surface Processes	-do-	-do-
4.	Scientist 'C'/Engineer - HPC & HPC Applications	-do-	Rs. 6600
5.	Senior Manager (Administration)	-do-	Rs.7600
6.	Assistant Manager (Administration)	Rs.9300-34800	Rs.4600

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 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 first batch of 20 trainees will be passing out soon. 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>. Aspiring candidates please submit your applications, separately for all the Scientific as well as the Administrative positions in the proforma with detailed CV, a list of publications and other relevant papers to the Director of this Institute by 30 Aug. 2013.

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4.	Scientist 'C'/Engineer- For HPC & HPC Applications	-do-	Rs. 6600
5.	Senior Manager (Administration)	-do-	Rs.7600
6.	Assistant Manager (Administration)	Rs.9300-34800	Rs.4600

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 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 on plain paper with detailed CV, a list of publications and other relevant papers to the Director of this Institute by 30 August 2013. Candidates must also arrange three letters of

References to be sent directly to the Director of the Institute by giving reference to this advertisement.

Requirements for the posts are as under :

Pay Band and Grade Pay for all the posts of Scientist 'D'/Engineer : Rs. 15600-39100, Grade Pay : Rs. 7600 plus allowances admissible to Central Govt. employees stationed at Pune;

Scientist 'D'/Engineer for HPC applications - 01 post

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) at Post Graduation level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks).

Desirable Qualifications :

Preferably a Doctorate in any one of the above subject or high performance computing with 6 years experience in the subject.

Proven expertise in computational fluid mechanics, high performance computing and parallel numerical algorithms as evidenced by peer reviewed publications. Application of computational fluid mechanics to problems of atmospheric physics or dynamics will be highly desirable.

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

Age Limit : 50 years as on 30 Aug. 2013.

Scientist 'D' / Engineer for Radar Meteorology - 01 post

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) at Post Graduation level or Bachelors Degree in Engineering or

Technology from a recognized university or equivalent with at least First class (60% marks).

Desirable Qualifications :

Preferably a Doctorate in any one of the above subject with 6 years experience in research.

Technical knowledge of modern polarimetric radars, their calibration and quality control of radar data is desirable. Proven expertise in interpretation of weather radars and cloud radar and in deciphering atmospheric processes from radar observations as evidenced by peer reviewed publications. Experience in assimilating radar data for weather prediction will be highly desirable.

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

Age Limit : 50 years as on 30 Aug. 2013

Scientist 'D' for Land Surface Processes - 01 post

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) at Post Graduation level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks).

Desirable Qualifications :

Preferably a Doctorate in any one of the above subject with 6 years experience in research.

Proven expertise in unravelling the role of land surface processes on climate variability and predictability as evidenced by peer reviewed publications. Experience in using historical as well as satellite data in conjunction with global climate models in understanding this role is desirable. Experience with hydrological modelling will be an added qualification.

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

Age Limit : 50 years as on 30 Aug. 2013

Scientist 'C'/Engineer : for HPC and HPC Applications - 01 post

Pay Band : Rs. 15600-39100; Grade Pay : Rs.6600 and 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) at Post Graduation level or Bachelors Degree in Engineering or Technology from a recognized university or equivalent with at least First class (60% marks).

Desirable Qualifications :

Expertise in computational fluid mechanics and experience in working with earth system model development. A professional background in massively parallel processing computer systems, large scale Linux clusters or other machines of similar architecture, in particular IBM SP clusters running AIX, would be an added advantage

The candidate should be proactive, methodical and have good analytical skills, able to demonstrate an ability to progress multiple tasks to completion and solve problems under pressure. Good written and oral communication skills are essential as is the ability to work responsibly and reliably as a member of a small team.

Job Requirements :

Planning and scheduling upgrades to the IITM's HPC system Installing, maintaining and configuring the operating system and standard utilities on the HPC facilities. Providing support to scientists to resolve any problems with development and running of the coupled ocean-atmosphere model and the earth system model at IITM. Ensuring that the HPC Facilities are used efficiently. Participating in meetings with supercomputer vendors and at international technical conferences. From time to time, contributing to the research and evaluation of successor systems to IITM's current High Performance Computing Facilities

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

Age Limit : 40 years as on 30 Aug. 2013.

Senior Manager : One post

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

The Senior Manager (Administration) of the Institute having 240 employees at its strength (including 125 scientists), plays a pivotal role not only in day-to-day running of the Institute but also in planning and execution of Planned Programs, Modified Flexible Complementing Scheme promotions of all its existing scientists, Career Progression Scheme for other employees and recruitment of new employees etc. In addition to liaising with the Ministry for proper flow of fund and other matters, the duties of Senior Manager is also involved in dealing with legal matters related to the Institute. The Senior Manager will be the overall In-charge of all the administrative wings of the Institute such as the Personnel, Accounts, Purchase & Stores, General Administration, Service Benefit Unit etc. etc.

Essential qualifications :

- (i) Master's Degree in any stream from a recognized University
- (ii) Good knowledge of IT and Computer operation
- (iii) 06 years' experience in Govt./PSU/Autonomous Bodies in the administration in the Pay Band of Rs. 15600-39000 with Grade Pay of Rs. 6600.

Desirable Qualifications :

- (i) MBA/LLB/Diploma in Management from a reputed Institution
- (ii) Should have working experience in dealing with recruitment policy, pension cases, financial management, purchase, estate management and organizing various events including Governing Council meeting and follow-up action. He/She should liaise with the Ministry and other organizations and ensure smooth and speedy functioning of administration.
- (iii) A short write up less than a Page on challenges you have overcome and innovation you made in your immediately past job.
- (iv) Should possess leadership qualities to steer the whole administration of the Institute.

Candidates holding Pay Band of Rs. 15600-39100 with Grade Pay of Rs. 6600 and above **NEED ONLY APPLY.**

Age Limit : 50 years as on 30 August 2013.

Assistant Manager: 1 Post

Pay Band Rs. 9300-34800 with Grade Pay of Rs. 4600 plus allowances admissible to Central Govt. employees stationed at Pune.

Essential Qualifications :

i) A Bachelor's Degree from a recognized University with basic knowledge of computer.

ii) Minimum 5 years experience preferably in Govt./PSU/Autonomous Bodies in the relevant area in PB-2 with Grade Pay of Rs. 4200 or its equivalent.

OR

With 11 years combined experience in GP Rs.2800 and with not less than 3 years in Grade Pay Rs. 4200.

Desirable Qualifications :

i) Post Graduation in any field

ii) Diploma in Management/Law

Age Limit : Not exceeding 35 years as on 30 Aug. 2013.

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.

Application on plain paper together with detailed CV and list of publications (if available) should reach the undersigned by 30 August 2013. 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. 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 Director

Indian Institute of Tropical Meteorology

Dr. Homi Bhabha Road, Pashan, Pune-411008

Phone : 020 - 25904203; FAX : 020 - 25865142

Email : bardhan@tropmet.res.in URL: <http://www.tropmet.res.in>