

**EARTH SYSTEM SCIENCE ORGANIZATION (ESSO),
MINISTRY OF EARTH SCIENCES, GOVERNMENT OF INDIA
INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM),
Dr. Homi Bhabha Road, Pashan, Pune-411008
Advertisement No. PER/06/2016**

**RECRUITMENT PROJECT SCIENTISTS
PURELY ON TEMPORARY AND 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 has state-of-the-art advanced infrastructural facilities like High Performance Computer (HPC) systems with 790 TF compute and 6 PB of Storage, state-of-the-art technical IT, Networking, Security & Storage Infrastructures.

It is proposed to recruit following posts purely on temporary and contract basis for various Research Projects for the period of **one year**.

Post Code - HPC2016-001
Post Name - Project Scientist - D (For High Performance Computing Program)
No. of posts - 2 Nos.
Essential Qualification: A First class Masters Degree or equivalent in Computer Science, Computer Applications or Information Technology from a recognized University/ Institution or a First class Bachelors degree in Engineering or Technology in Computer Science or Information Technology. <ul style="list-style-type: none">• A minimum of 07 years of Post qualification working experience in High Performance Computing Systems, technologies and its related software's/ applications.
Desirable Qualification: <ul style="list-style-type: none">• Ph.D. in the above subjects would be a desirable qualification.• Experience in development of system software's, tools and applications used in high performance computing environment would be desirable.• Proven Experience and certifications in HPC Systems platforms like Tivoli, LFS, GPFS, HSM, linux cluster-environments and managements tools is desirable.• Experience in using 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.• Ability to work in large groups.• Knowledge of HPC Systems Administration would be an added advantage.
Job Responsibilities: To work in development and troubleshooting of various HPC applications related issues.
Salary - (₹15,600-39,100) + G.P. ₹ 7,600/- + D.A. + H.R.A. (Total monthly salary is approximately ₹ 75,225/-)
Upper Age Limit: Up to 50 years as on 15.10.2016

<p>Post Code - HPC2016-002 Post Name - Project Scientist - C (For High Performance Computing Program) No. of posts - 1 Nos.</p>
<p>Essential Qualification: A First class Masters Degree or equivalent in Computer Science, Computer Applications or Information Technology from a recognized University/ Institution or a First class Bachelors degree in Engineering or Technology in Computer Science or Information Technology.</p> <ul style="list-style-type: none"> • A minimum of 05 years of Post qualification working experience in High Performance Computing Systems, technologies and its related software's/ applications.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Ph.D. in the above subjects would be a desirable qualification. • Experience in development of system software's, tools and applications used in high performance computing environment would be desirable. • Proven Experience and certifications in HPC Systems platforms like Tivoli, LFS, GPFS, HSM, linux cluster-environments and managements tools is desirable. • Experience in using 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. • Ability to work in large groups. • Knowledge of HPC Systems Administration would be an added advantage.
<p>Job Responsibilities: To work in development and troubleshooting of various HPC applications related issues.</p>
<p>Salary - (₹15,600 - 39,100) + G.P. ₹ 6,600/- + D.A. + H.R.A. (Total monthly salary is approximately ₹ 64,643/-)</p>
<p>Upper Age Limit: Up to 40 years as on 15.10.2016</p>
<p>Post Code -PDTC2016-001 Post Name - Project Scientist - C (For Thunderstorm Dynamics) No. of posts - 1 No.</p>
<p>Essential Qualification:</p> <ul style="list-style-type: none"> • A Masters Degree or equivalent in Atmospheric Science/ Meteorology/ Oceanography/ Physics/ Geophysics/Mathematics from a recognized University/Institution with at least 60% marks at Post Graduation. • A minimum of 5 years of experience of research (after Masters degree) in Atmospheric and Oceanic Sciences as evidenced by published papers.
<p>Desirable Qualification:</p> <ul style="list-style-type: none"> • Ph.D. in any of the above subjects would be a desirable qualification. • At least two years' experience (after Ph.D) in working with WRF models and experience in lightning parameterisation. • Knowledge of 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.
<p>Job Responsibilities: The selected candidate is expected to run WRF model and simulate deep convection cases to find out lightning potential from model output. Selected candidate should handle large volume of lightning data available from Lightning Location Network to validate the model output.</p>
<p>Salary(₹15,600-39,100) + G.P. ₹ 6,600/- + D.A. + H.R.A.(Total monthly salary is approximately ₹ 64,643/-)</p>
<p>Upper Age Limit: Up to 40 years as on 15.10.2016</p>

Post Code -PDTC2016-002 Post Name - Project Scientist – B (For Thunderstorm Dynamics) No. of posts - 1 No.
Essential Qualification: <ul style="list-style-type: none"> • A First Class B.E./B.Tech/M.Sc.in Electronics/Electronics & Telecommunication/Instrumentation Engineering with 2 years of post qualification research experience in relevant field.
Desirable Qualification: <ul style="list-style-type: none"> • Experience in Design of ultra-low voltage signal amplifier and signal conditioning. • Experience in high rate data transfer from DAQ to storage servers. • Experience in developing application using LabView for measurements of meteorological parameters.
Job Responsibilities: The selected candidate is expected to work in Atmospheric electricity laboratory and should fabricate electric circuits required for measurements of atmospheric electric parameters. He would be in-charge of Lightning Location network established by IITM and take of its day-to-day operation and maintenance.
Salary (₹15,600-39,100) + G.P. ₹ 5,400/- + D.A. + H.R.A.(Total monthly salary is approximately ₹ 53,550/-)
Upper Age Limit: Up to 35 years as on 15.10.2016

INSTRUCTIONS:

- 1) Only Indian Nationals are eligible and need to apply.
- 2) **Only online applications will be accepted.** Hard copy of the applications will not be accepted.
- 3) Upper age limit is relaxed by 5 years for SC/ST, 3 years for OBC, 10 years for physically handicapped persons and as per rule for ex-servicemen.
- 4) Mere possession of required qualification will not entitle the candidates to be called for interview.
- 5) Candidates called for interview will be paid sleeper class to & fro train fare by the shortest route on production of original tickets.
- 6) Desirable qualifications and experience can be relaxed at the discretion of the Director in case of exceptionally good candidates.
- 7) Experience shall mean the experience in the relevant field acquired from Government/Semi govt./Autonomous/Research/Reputed Organization after obtaining the minimum educational qualification asked for in the said category.
- 8) No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
- 9) Canvassing in any form will disqualify the candidate from being called for interview.
- 10) Candidates must produce all original documents in proof of details furnished in the application at the time of interview for verification and the same will be returned after verification.
- 11) Selected candidate may have to join the post immediately on being found fit by Medical Authority.
- 12) **Aspiring candidates may submit their applications with post code along with their CV, online only: <http://www.tropmet.res.in/Careers> up to 15th October 2016.**
- 13) Director, IITM reserves the right to fill-up or not to fill up the posts advertised without assigning any reasons thereof.

Director
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