

**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/09/2017**

**WALK-IN-INTERVIEWS**

**FOR PURELY ON TEMPORARY AND SHORT TERM CONTRACT BASIS POSTS**

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. The Institute has excellent infrastructural facilities such as high-performance computer, observational laboratories, modern library, workshop, etc. It has a strong link with various Universities and national and international organizations.

The scientific program “AIR POLLUTION AND HUMAN HEALTH IN INDIAN MEGA CITIES (APHH)” is established as part of bilateral cooperation between India and UK by Ministry of Earth Sciences in India. The objectives of APHH is to provide a platform for the research investigators to engage and facilitate the development of long- and short-term relationships between partner institutes. The APHH secretariat is established at IITM, Pune. Secretariat is expected to properly coordinate project groups, facilitate the partnership and campaigns, collate and do the data management and scientific analysis of various air quality and health related data base. In delivering this, the secretariat will support the agreed UK and Indian government goal to develop sustainable long-term research partnerships that contribute to sustainable development and economic growth. For the APHH Secretariat, following two positions (**Event Coordinator – 1 post and Data Resource Manager – 1 post**) are required to be filled purely on temporary and contract basis for a maximum period of 4 years.

<b>Name and number of Post</b>	<b>Event Coordinator - 1 post -</b>
<b>Essential Qualification</b>	<ul style="list-style-type: none"> <li>• A First-class Master’s Degree in Environmental Sciences/ Physics /Environmental Engineering /Health Sciences from a recognized University/ Institution.</li> <li>• A minimum of 5 years’ experience (after master’s degree) in Coordinating scientific programs, implementation and delivery of integrated scientific campaign and outreach programs related to air quality and allied topics.</li> </ul>
<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>• Good communication/ presentation skills, both spoken and written. Good knowledge in Mega city air pollution and its impact.</li> <li>• Proven track record in managing operational services, experience in designing and delivering outreach and communications plans. Able to spearhead projects.</li> <li>• Experience in air quality /weather data management and analysis.</li> <li>• Experience in working with people at all levels in Government and private organizations. Also in organization of scientific workshops/symposiums.</li> <li>• Proficiency in MS Office and related PC based computer software.</li> </ul>
<b>Job Responsibilities</b>	To steer the overall scientific aspect of APHH program coordination. Provide all scientific and technical leadership for campaigns and other related aspect from time to time. Helping in analyzing and organizing the data as per the scientific topical categories.
<b>Salary</b>	Rs. 49,000/- + HRA
<b>Upper Age Limit</b>	Up to 35 years as on 01.11.2017
<b>Interview Date &amp; Reporting time</b>	10 <sup>th</sup> November 2017 at 09.00 a.m.

<b>Name and number of Post</b>	<b>Data Resource Manager - 1 post</b>
<b>Essential Qualification</b>	<ul style="list-style-type: none"> <li>• A First-class Master's Degree in Computer Science / Computer Application from a recognized University / Institution.</li> <li>• A minimum of 5 years' experience in website &amp; mobile application design and development of scientific database management related to air quality.</li> </ul>
<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>• Working knowledge of hardware and software for management of High / Low end web servers, database security and integration tools.</li> <li>• Working knowledge in using scientific Website management.</li> <li>• Knowledge of Java, Python, MYSQL, JavaScript, JQuery, Ajax, CSS, HTML5.</li> <li>• Ability to manage scientific workshops/conference.</li> </ul>
<b>Job Responsibilities</b>	<ul style="list-style-type: none"> <li>• To manage and maintain website database and web-server, perform updates as requires &amp; troubleshooting, managing user registration, access to local database.</li> <li>• Regular updates of website contents and participation in new web project.</li> <li>• Managing conference and event related web information. Designing theme based applications. Dealing with national and international people in matters related to conference, scientific and popular meeting, doing surveys, opinion polls etc.</li> </ul>
<b>Salary</b>	<b>Rs. 49,000/- + HRA</b>
<b>Upper Age Limit</b>	<b>Up to 35 years as on 01.11.2017</b>
<b>Interview Date &amp; Reporting time</b>	<b>10<sup>th</sup> November 2017 at 09.00 a.m.</b>

Under APHH, a project “Process analysis, observations and modelling - Integrated solutions for cleaner air for Delhi (PROMOTE) is implemented at IITM, Pune. PROMOTE brings together a cross-disciplinary team of leading researchers from India and the UK spanning expertise in process-orientated observational and modelling analysis, prediction and forecasting of air quality and meteorology, climate modelling and socio-economic assessment of mitigation options. Also, a project “Quantifying Impacts of South Asian Aerosols on Regional and Arctic Climate (QUISARC)” is being implemented in IITM in collaboration with Norway under Indo-Norway bilateral program of MoES. The main objective of QUISARC is to quantify regional and Arctic climate impacts of South Asian aerosol emissions, by updating present emission inventories and tracing the aerosol impacts through teleconnections, and physical and chemical processes. By facilitating collaboration between Indian and Norwegian scientists with expertise in emission inventories, observations and global and regional modelling, QUISARC will seek to reduce these uncertainties to provide improved quantification of the impacts of South Asian emissions on the region itself and on the Arctic. For the above 2 projects, applications are invited from bright and motivated young candidates for the temporary post of **Junior Research Fellow (4 numbers)** which should lead to Ph.D. degree. The place of work will be IITM, Pune. All selected candidates need to get involved in filed activities. Details are as follows:

<b>Name and number of Post</b>	<b>Junior Research Fellow - 4 posts</b>
<b>Essential Qualification</b>	M.Sc. (1 <sup>st</sup> Class) in Atmospheric Sciences /Physics /Environmental Science /Environmental Engineering/ Meteorology/GIS, remote sensing /Health Sciences (equivalent degree) from a recognized university /institution with NET/GATE/JAM/JEST qualified <b>OR</b> M.Tech. in any one of the above subject (for M.Tech., NET/GATE/JAM/JEST is not essential)
<b>Desirable Qualification</b>	<p>1) <b>Post-1 (Modeling):</b> Good knowledge of working in LINUX /UNIX system and Fortran programming skill along with WINDOWS. It is desirable if the candidate has hands on experience in WRF or WRF-Chem model. Such candidate will be given special preference. Scope of work: Requires helping in development and running the chemistry-transport air quality forecasting model.</p> <p>2) <b>Post-2 (Emissions):</b> Good knowledge of computer usage in Windows and software packages. Knowledge of Geographic information system (GIS) software is desirable. Scope of the work: Development of emission inventory of pollutants and GHGs and field survey using GIS software.</p> <p>3) <b>Post-3 (Observations):</b> Good knowledge of instrumentation, computer usage and software packages. Special preference to those who have experience in air pollution analysers and automatic weather stations. Scope of the work: To help establish observational network in field (Mumbai), assimilation of meteorological and air quality data on routine basis and analysis with filed activity.</p> <p>4) <b>Post-4 (Air Quality and Health):</b> Good knowledge of Air Quality and Exposure assessment. Impact of air quality and climate on Health. Air Quality management.</p>
<b>Upper Age Limit</b>	<b>Up to 28 years as on 01.11.2017</b>
<b>Stipend</b>	Rs. 25,000/- plus HRA (performance based enhancement after 2 years).
<b>Tenure</b>	2 years which is extendable further upto 4 years based on satisfactory performance.
<b>Interview Date &amp; Reporting time</b>	<b>15<sup>th</sup> November 2017 at 09.00 a.m.</b>

#### INSTRUCTIONS:

- 1) Only Indian Nationals are eligible for these posts.
- 2) Upper age limit is relaxable by 5 years for SC/ST, 3 years for OBC, 10 years for physically handicapped persons and as per rule for ex-servicemen.
- 3) Desirable qualifications and experience can be relaxed at the discretion of the Director in case of exceptionally good candidates.
- 4) 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.
- 5) Selected candidate may have to join the post immediately on being found fit by Medical Authority.
- 6) **Candidates who fulfill the criteria only should attend the walk-in interview along with filled in application form, CV along with original mark sheets and certificates and photocopy of each document on the scheduled date and time.**
- 7) Director, IITM reserves the right to fill-up or not to fill up the posts advertised without assigning any reasons thereof.

**Director**  
Indian Institute of Tropical Meteorology  
Dr. Homi Bhabha Road, Pashan, Pune – 411008  
Phone – 020-25904200, Fax 020-25865142

URL: [www.tropmet.res.in](http://www.tropmet.res.in)

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE - 411008**

ADVT. NO. PER/09/2017

Application for the post of \_\_\_\_\_

**PROFORMA**

<b>1</b>	<b>Surname</b>		<b>First Name</b>		<b>Father's Name</b>	
	<b>Gender:</b>			<b>Marital Status:</b>		
<b>2</b>	<b>Present Occupation</b>					
<b>3</b>	<b>Residential Address</b>					
<b>4</b>	<b>Telephone No.</b>		<b>5.</b>	<b>Mobile Number</b>		
<b>6</b>	<b>E-mail Address:</b>					
<b>7</b>	<b>Date of Birth</b>					
<b>8</b>	<b>Whether belongs to SC / ST / OBC / Physical Handicapped / Ex- Service man :</b>					
<b>9</b>	<b>Academic Record</b>					
<b>Sr. No.</b>	<b>Qualification</b>	<b>Year of Passing</b>	<b>Board / University</b>	<b>Subject</b>	<b>Percentage of Marks</b>	
<b>i</b>	S.S.C.					
<b>ii</b>	H.S.C.					
<b>iii</b>	B.E./B.Tech./B.Sc./BCA					
<b>iv</b>	M.E./ M.Sc./MCA/MCM					
<b>v</b>	M.Tech.					
<b>10</b>	Have you qualified NET/GATE/JAM /JEST? If yes, details thereof					
<b>11</b>	<b>Computer Skills</b>					
	<b>Name of Organization</b>	<b>From</b>	<b>To</b>	<b>Experience</b>	<b>Salary</b>	<b>Brief Nature of duties</b>

Date: / / 2017

Place:

Signature of the Candidate

**Note: - Bring original certificates and Mark sheets along with photocopy of each document.**