

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/07/2017

Recruitment of Project Scientist-B for IITM-IIHS Collaborative Project

(TENURE - STRICTLY 1-YEAR)

Walk in Interview on 27th July 2017 at 08.30 am

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.

The core project for this position is the ASSAR (Adaptation at Scale in Semi-Arid Regions) project, which is part of CARIAA (Collaborative Adaptation Research Initiative in Africa and Asia), a 5-year IDRC/DFID funded frontier international research program. IIHS leads this project in South Asia, with IITM Pune as an acknowledged partner. As a part of the on-going knowledge partnership between IIHS and IITM, and within the ASSAR research framework, a scientific project has been finalized: The project will focus on the use of paleoclimate data, retrieved from lakes, to help inform environmental and social impacts of decadal climate variability in and around central Maharashtra. The project, focusing on the last 1000 years, will provide an opportunity to address climate variability and climate impact related issues and has a clear goal of informing climate adaptation policy.

The aforementioned project broadly responds to the framework of collaboration between the two institutions, particularly in the context of strengthening knowledge under the theme of Climate Predictability and Inter-regional linkages. **This project will be jointly coordinated by IIHS (Bangalore) and IITM (Pune).** IITM is equipped with state-of-the-art advanced infrastructural facilities like High Performance Computer (HPC) system with 790 TF peak performances, modern library, workshop and other scientific support. Laboratory facilities for past climate research at IITM include a tree-ring laboratory, a stable-isotope mass spectrometer facility and a high resolution milling machine for carbonate samples. The position is temporary and we seek a bright, dynamic and motivated person to contribute to the project.

Description of the ASSAR project and the proposed (paleoclimate focused) study:

The main objective of the ASSAR project is to investigate climate adaptation issues in the semi-arid context. Typically, the project aims to understand barriers or enablers to effective, widespread and sustained climate adaptation. This sub-project, within the broader ASSAR frameworks, aims to reconstruct climate variability and its impact on water resources, the biophysical environmental and society on decadal timescales, over the past 1000 years. The region of interest is central Maharashtra, particularly the Ahmednagar region of Maharashtra and will involve collecting lake cores and measuring several proxy parameters in order to achieve a high-resolution set of records climate and environmental variability that characterize the region.

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The collaborative study will allow us to understand the source of climate variability and study the impacts of such variability on ecosystems and human societies. The knowledge gained will be critical for informing capacity building and policy decisions in the region. In a meta-framework, this study will consolidate our understanding of the drivers and dynamics of large-scale environmental changes, in addition to re-constructing risk-response framework. As such the proposed work would enable better understanding of the regional dynamics around climate change and help decision-makers to design appropriate region-specific climate adaptation policy.

Post Name – Project Scientist – B (Paleoclimate lake based research) No. of posts – 1
Essential Qualifications: <ul style="list-style-type: none">• A First Class Masters degree (M.Sc. or MA) in Earth Sciences/ Hydrology/ Archeology from a recognized university / Institute.• Consistently good academic record; first class/division in both higher secondary and B.Sc. /B.A. level and /or a minimum 60% marks.
Desirable Qualification: <ul style="list-style-type: none">• Knowledge of statistics• Knowledge of atmospheric sciences• 1-3 years of research experience, supported by publications• Experience with data processing e.g. conversant with data analysis tools viz., MATLAB, R software.• Working knowledge of statistics (in particular time series analysis)• Ability to work with large datasets of different types.• Comfortable in learning high precision instrumentation (like Stable Isotope Ratio Mass spectrometers)• Experience of working with communities.• Knowledge of GIS and hydrology is a plus.
Job Responsibilities: <p>The selected candidate will participate in field trips in remote regions of central India, to collect lake core samples. S/he will carry out measurements involving ICP-MS, grain size analysis and stable isotopes (Carbon and Oxygen). S/he is also expected to analyze the data, interpret the results and write scientific papers/reports and publish them in peer-reviewed journals.</p>
Salary - Consolidated Salary Rs. 55,000 /- per month
Upper Age Limit: Up to 35years as on 01/07/2017
Tenure – Strictly 1 year

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INSTRUCTIONS:

1. Only Indian Nationals are eligible to apply.
2. 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.
3. Mere possession of required qualification will not entitle the candidates to be selected for interview.
4. Age limit may be relaxed at the discretion of the Director in case of exceptionally good candidates.
5. 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. Experience claim should be supported by valid documentation.
- 6. Candidates must produce all original documents as proof of details furnished in the application and photocopy of each at the time of interview for verification.**
7. Selected candidate may have to join the post immediately, on being found fit by Medical Authority.
8. Director, IITM reserves the right to fill-up or not to fill up the post advertised without assigning any reasons thereof.
- 9. Candidates who fulfill the above criteria only should attend the walk-in interview along with filled in application form / CV (with certificates) with photocopy of each on 27th July 2017 at 08.30 a.m. in Institute's campus**

**Director,
IITM, Pune**

INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE – 411008
ADVT. NO. PER/07/2017
Application for the post of Project Scientist – B (purely on short term contract basis)
PROFORMA

1	Surname		First Name		Father's Name	
	Gender:		Marital Status:			
2	Present Occupation					
3	Residential Address					
4	Telephone No.		5.	Mobile Number		
6	E-mail Address:					
7	Date of Birth					
8	Whether belongs to SC / ST / OBC / Physical Handicapped / Ex- Service man :					
9	Academic Record					
Sr. No.	Qualification	Year of Passing	Board / University	Subject	Percentage of Marks	
i	S.S.C.					
ii	H.S.C.					
iii	B.Sc./B.A.					
iv	M.Sc. /M.A.					
V	Other					
10	Computer Skills					
11	Name of Organization	From	To	Experience	Salary	Brief Nature of duties

Date:

Place:

Signature of the Candidate

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