

INDIAN INSTITUTE OF TROPICAL METEOROLOGY
Dr. Homi Bhabha Road, Pashan, Pune – 411 008
(An autonomous Institute under Ministry of Earth Sciences, Government of India)
Advertisement No. PER/ 8/ 2009
Advertisement for Junior Research Fellows (JRF)

The Indian Institute of Tropical Meteorology 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 computers, observational laboratories, modern library, workshop, etc. It has a strong link with various universities and national and international organizations.

The institute is in the process of developing a “**SYSTEM OF AIR POLLUTION FORECASTING & RESEARCH**” (SAFAR-2010) for the commonwealth games to be held in India during 2010. The goal is to monitor the current level and forecast the future level of air quality using the atmospheric chemistry transport models. Later the system will be used to understand the scientific processes responsible for the variation of these pollutants on different time scales and their impact on health and agriculture over India. For the above project, applications are invited from bright and motivated young candidates for the temporary post of Junior Research Fellow (three numbers) as per the following details:

Essential Qualifications:

M.Sc./M.Tech. in Atmospheric Sciences/Physics/Environmental Science/Environmental Engineering/ Meteorology/ Applied Mathematics/ Geophysics/ Chemistry/ Electronics from a recognized university /institution. NET/GATE qualified candidates will be given preference.

Desirable Qualifications:

- 1) **Post-1:** Good knowledge of working in LINUX /UNIX system and Fortran programming skill along with WINDOWS. Scope of work: Requires helping in development and running the chemistry-transport air quality forecasting model and preparation of input data library.
- 2) **Post-2:** Good knowledge of computer usage in Windows and software packages. Knowledge of Geographic information system (GIS) software is highly desirable. Scope of the work: Development of emission inventory of pollutants and GHGs.
- 3) **Post-3:** Good knowledge of computer usage and software packages, air pollution analysers and automatic weather stations. Scope of the work: To help in observational network, assimilation of meteorological and air quality data on routine basis and analysis.

Other details:

- Age Limit : 28 years as on 1.6.2009.
- Stipend : Rs. 12000/- plus HRA (performance based enhancement after 2 years).
- Tenure : 2 years which can be extendable further based on satisfactory performance. The candidate may register for Ph. D.

The candidate should complete the project work successfully during specified tenure. Upper age limit is relaxed by 5 years for SC/ST, 3 years for OBC, 10 years for physically handicapped and as per rule for ex-servicemen. Desiring candidates are requested to submit their CV in the form attached. The completed application should reach the Administrative Officer of the Institute either by post / courier / e-mail (admadv@tropmet.res.in) with only a soft copy to beig@tropmet.res.in by **15th June 2009**.

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PROFORMA
Application for the post of Junior Research Fellow

Post Applied for (Mark tick): Post-1 Post-2 Post-3 All(1-3)

	Name of the Candidate in Block Letters					
1.	Surname	Name	Father's / Husband's name			
2.	Gender : Male / Female	Married / Unmarried				
3.	Mailing Address					
	Phone No. / Mobile No. :					
	E-mail address / Fax No. :					
4.	Permanent Address					
5.	Date of Birth :					
	Place:					
	Nationality:					
6.	Whether belongs to SC/ST/OBC / Physically handicapped (Enclose the relevant certificate for the same)					
7.	Qualifications:					
	Qualifications	Subjects	Board / University	Year of passing	Percentage of Marks with Class	
a)	S.S.C					
b)	H. S. C.					
c)	B.Sc.					
d)	M. Sc.					
e)	M. Tech					
f)	Ph.D.					
8.	Computer skills					
9.	Area of the Interest					
10.	Paper published					
11.	Conferences/Seminar/Symposia attended :					
12.	Experience in offices (attach separate list with given details)	From	To	Place of work	Salary / scale of pay	Brief nature of duties
10.	Present Occupation					

*Enclose attested/scanned copies of certificates in proof of age, qualifications (last degree) and experience

Signature of the candidate