

## **Department of Civil Engineering Indian Institute of Technology, Kanpur 208 016**

Required post for Research Associates – 3/Research Associates – 1 (One post only) and Junior Research Fellow (Two posts) in BRNS sponsored Project entitled, '**Studies on Aerosol Behaviour under Severe Accident Conditions in the Context of Indian Nuclear Reactor by Setting up of National Aerosol Facility**' on plain paper. The appointment is purely temporary and on contractual basis.

### **About this project**

National Aerosol Facility (NAF) will address the aerosol behavioural issues in Indian PHWRs and generate a comprehensive database to facilitate the development of in-house analytical tools. This facility will serve as a state-of-the-art test facility for studying current outstanding aerosol mechanistic behaviour issues in safety assessments pertaining to the Indian PHWRs. It will also serve as a national facility for Indian researchers to carry out customized experiments in the field of aerosol science and technology as it pertains to nuclear power. NAF will be at par with other international facilities for nuclear aerosol studies; hence collaboration with international institutes is also envisaged.

Candidates interested to work in this challenging project may apply.

### **Minimum qualification and experience for Research Associates – 3**

- Ph.D. in Atmospheric Sciences/Aerosol Science/Physics/Climate Sciences/Chemistry/Environmental Science with 2 years relevant experience (**Salary:** Rs 40,000 p.m. consolidate).

### **Minimum qualification and experience for Research Associates – 1**

- Ph.D. in Atmospheric Sciences/Aerosol Science/Physics/Climate Sciences/Chemistry/Environmental Sciences (**Salary:** Rs 36,000 p.m. consolidate).

### **Minimum qualifications for Junior Research Fellow**

- B.Tech. in Electrical Engineering/Nuclear Engineering/Chemical Engineering/Mechanical Engineering/Civil Engineering/Atmospheric Sciences with NET/GATE. Candidates with M.Sc. in Physics/Atmospheric Sciences/Mathematics are also eligible for the advertised post with NET/GATE (**Salary:** Rs 25,000 p.m. consolidate).

Candidates are expected to have a good mathematical background and sound knowledge of computer programming. Familiarity with aerosol transport and physics is desirable.

**Duration:** Initial appointment will be for a period of 1 year. Please apply only if you are ready to take the challenge.

Any other doubt regarding the research of the employer can be cleared from the homepage: <http://home.iitk.ac.in/~snt/>

Last date of receipt of application: **20 June 2015**

Interested persons should send their application to: **Dr Sachchida N. Tripathi**, Professor, Department of Civil Engineering, Indian Institute of Technology, Kanpur 208 016.  
Tel.: 0512-259 7845; Fax: 0512-259 7395; e-mail: dstccp@gmail.com