



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL
BHOPAL BY-PASS ROAD, BHAURI, BHOPAL 462 066

DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES

ADVT #: EES/RSR/2021/01

Date: August 11, 2021

Applications are invited for the post of “**Project Scientist-I**” for a research project entitled “Source apportionment, development of emission inventory and carrying capacity determination for Durgapur, Asansol and Raniganj in West Bengal” funded by the West Bengal Pollution Control Board.

Number of posts: 01

Age Limit: Preferably below 32 years but no more than 35 years

Duration: Initially for 1 year, extendable upon satisfactory performance.

Salary: Rs. 56,000 per month + HRA. Increment of 5% for every 2 years of experience subject to performance review.

Minimum qualifications: The position requires a Ph.D. in Physics, Atmospheric Sciences, Atmospheric Chemistry, or related fields from a recognized University/Institute. The candidate will be required to participate in field campaigns and laboratory chemical analysis. Expertise in aerosol chemical analyses including sample preparation and analysis on EDXRF, IC, ICP-OES, TOT/TOR carbon analysis are required. Experience in TD-GC-MS is an advantage. The candidate should also have good verbal and written communication skills as well as be experienced in the standard computing languages such as C/C++ and be able to perform required data analyses on MATLAB or similar open source software.

Desirable qualifications: In addition to the minimum qualifications, experience with analysis of hyper-spectral satellite data such as that from OMI, GOME-2, AIRS, MODIS, or IASI is also desirable. Working knowledge of running dispersion models, receptor models or applying other Bayesian approaches for aerosol source apportionment is a distinct advantage.

Responsibilities: The candidate will be responsible for leading filter based aerosol sampling and chemical analyses, data quality assurance/quality control (QA/QC) and validation. Site visits to sampling locations in West Bengal will be required from time-to-time. The candidate will also participate in aerosol source apportionment using US-EPA PMF5 and other expanded ME models. The candidate will be responsible for coordination and preparation of various reports required in connection with the execution of the project.

Procedure to submit applications: Applications are to be made (electronic copy or hard copy) by submitting curriculum vitae (CV) (in accordance with the appended format) along with a statement of purpose. The application should include a passport-sized photograph and at least two letters of recommendation.

Completed applications should preferably reach the undersigned by **August 31, 2021 by e-mail (preferably) or post**. However, application deadline may be extended for exceptionally

qualified candidates and positions will remain open until filled. Further, the selection committee may offer lower or higher designation and lower or higher salary depending upon the experience and performance of the candidate in the interview.

Only shortlisted applicants will be intimated and called for an interview. No interim correspondence will be entertained. For any questions regarding the post, the nature of the project, or the suitability of your candidature for the advertised post please contact the undersigned.

Mail applications to:

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