

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
Department of Management Studies

Dated: 11.08.2026

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal Investigator (Name: Prof. Tarun Sharma), Dept. of Management Studies, Indian Institute of Technology, Roorkee.

1. Title of project: *Advanced Carbon Credit Trading Scheme Modelling: A Dynamic Simulation Framework for Operationalizing Design Variables and Market Dynamics*
 2. Sponsor of the project: Environmental Defense Fund
 3. Project position(s) and number: 1 Project Fellow
 4. Qualifications: Ph.D. in Engg/Management (Operations & Economics); M. Tech/MBA + 3 years of experience; Programming and Modelling experience is desirable
 5. Emoluments: Rs. 40,000 - 1,00,000 /- p.m. + HRA
 6. Duration: Initially for one year.
 7. Job description: *Shunya Lab at IIT-Roorkee is working with the Environmental Defense Fund to enhance the existing IIT-R/EDF model of industrial sector decarbonization and the operation of the newly established Indian carbon market (CCTS). This new role will work with the team to update estimates of achievable emissions reductions and their costs across industrial sectors and subsectors using granular facility-level data. They will assess technology penetration potential and the potential speed of adoption based on bottom-up abatement costs and operational characteristics as well as industry-level data on adoption patterns. They will use these estimates to parameterize a dynamic engineering-economics model of industrial decarbonization. Facility-scale marginal abatement cost and industry technology adoption curves from this model will be the basic inputs for a dynamic version of the IIT-R-EDF model of the operation of the Carbon Credit Trading System. This model is used to inform design decisions including targets, banking, and price management. We are looking for someone with an understanding of industrial decarbonization options, experience working with economics/cost data, and strong modeling skills. They will enjoy working with a team with diverse skills and being involved in a project with strong policy relevance.*
1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of the Principal Investigator through email, by post, or in person at the time of the interview:
 - Application on plain paper with a detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.



3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
4. Preference will be given to SC/ST candidates on equal qualifications and experience.
5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for application to be submitted to the office of the Principal Investigator is *30th Aug, 2026* by 5 PM.
(not applicable for walk-in interview)

The interview date will be communicated to the shortlisted candidates.

Tel: - Fax: -

Email: tarunsharma@ms.iitr.ac.in

**Name and signature
of Principal Investigator**

*To be uploaded on the IIT Roorkee website, and a copy may be sent to appropriate addresses by the PI for wider circulation.

Approved

Dean
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