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SRIC/06

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Department of Hydro and Renewable Energy)

04-05-2025

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 co-PI **Prof. Sonal K. Thengane**, Hydro and Renewable Energy Dept. Indian Institute of Technology, Roorkee.

1. Title of project: Design and Development of Municipal-Solid-Waste-Fueled Battery Charging Station Using Solar-Assisted Plasma Pyrolysis
2. Sponsor of the project: Swachhta Action Plan (SAP), Ministry of Education
3. Project position(s) and number: Junior Research Fellow - 1 Nos. (Chemical/Energy/Mechanical/Civil (Environmental) Engg.)
4. Qualifications and Experience: B.E/ B.Tech/ M.E / M. Tech in Chemical/Energy/Mechanical/Civil (Environmental) Engg. with qualified GATE. Experience or project work on pyrolysis is preferred.
5. Emoluments : Rs.37000 per month
6. Duration: 12 months (extendable upto duration of project)
7. Job description: 1. Experimental investigation on plasma pyrolysis of MSW including characterization of gas and solid products 2. Modeling and simulation of plasma pyrolysis reactor using Matlab or Aspen

Note:

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 Investigator through email:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.
 - Experience including research, industrial field and others.
 - Self 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.
6. **In the application or cover letter, each applicant must mention the title of their B.Tech or M.Tech project clearly.**

The last date for application to be submitted by email to the office of the principal or co-investigator is 25th May 2025 by 17:00 hrs.

Tel: 01332-28-4794 and 5554
Email: sonalt@hre.iitr.ac.in

l. Thengane
Prof. Thanga Raj Chelliah
(Principal Investigator)

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

Approved
Abhishek
डीन (सिक)/(Dean SRIC)
भा. प्रौ. सं. रुड़की/IIT Roorkee
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