



Indian Institute of Technology Guwahati

Guwahati-781039, Assam

Research and Development Section

Applications are invited for an Online Interview for the following post in the project entitled " **Design and Development of a Demonstration Plant for Production of Marketable Grade Green Activated Carbon from Bamboo Dust**" at the Dept. of Chemical Engineering, IIT Guwahati.

Date: 10th Nov 2026 (Tuesday)

Time: 10:00 AM

Mode: Online

Venue: Google Meet

S. No.	Project Staff Designation	Number of Vacancies	Pay Range	HRA (₹)	Medical Facility	Duration of Appointment	Qualifications
1	Project Manager	01	55000	20%	Yes	11 months	<p>Essential Qualification:</p> <p>Candidates must possess B.E./B. Tech in Chemical Engineering, Process Engineering, Environmental Engineering, Mechanical Engineering, or a related discipline with a minimum of 8 years of relevant industrial or research-based project management experience; OR M.Tech/M.Sc. in the above disciplines with a minimum of 5 years of experience in R&D, industrial projects, or technology development; OR PhD in a related field with a minimum of 2 years of relevant experience, including management of research-driven technology projects.</p> <p>Skills and Experience:</p> <p>Minimum 2 years of experience in project management, preferably involving R&D or industrial projects, industrial process development, pilot plant development, or technology demonstration. Experience in project planning, execution, procurement, vendor coordination, budget monitoring, and technical reporting. Knowledge of pyrolysis, thermochemical conversion, or related technologies, with 2 years of relevant experience preferred. Strong leadership, organisational, and communication skills.</p> <p>Software Skills:</p> <p>Proficiency in MS Office and familiarity with Aspen Plus/MATLAB/Modelica, AutoCAD, or equivalent engineering software. PMP with Experience in technology commercialisation, intellectual property management, technology transfer, or coordination of pilot-scale industrial projects.</p>
2	Project Engineer	01	Rs. 47000	20%	Yes	11 months	<p>Essential Qualification:</p> <p>PhD in Engineering/Technology; or Master's degree with a minimum of 3 years of relevant experience; or Bachelor's degree with a minimum of 6 years of relevant experience, preferably in Computer Science, Artificial Intelligence, Data Science, Chemical Engineering, Mechanical Engineering, or related disciplines.</p> <p>Skills and Experience:</p>

							<p>The candidate should possess good knowledge of AI/ML, data analytics, and predictive modelling, with experience in experimental, sensor, or industrial data analysis. Proficiency in Python, data pre-processing, feature engineering, statistical analysis, and basic machine learning model development is required. The candidate should be capable of developing and validating predictive models for reactor performance, product yield, quality, and energy consumption, and contributing to DSS development for process optimisation. Familiarity with time-series analysis, model validation, uncertainty assessment, software development, and laboratory/pilot-scale data integration is desirable. Knowledge of advanced optimisation, physics-informed modelling, explainable AI, digital twins, and PLC/SCADA integration will be an added advantage. Good analytical, problem-solving, communication, and documentation skills are essential.</p> <p>Software Skills:</p> <p>Python (Pandas, NumPy, Scikit-learn), statistical analysis, data visualisation, and MS Office. Knowledge of SciPy, MATLAB, TensorFlow/PyTorch, and DSS development tools is desirable.</p>
3	Associate Project Engineer	01	Rs. 38000	20%	Yes	11 months	<p>Essential Qualification:</p> <p>Master's degree in Engineering/Technology or Bachelor's degree with a minimum of 3 years of relevant experience, preferably in Chemical, Mechanical, Electrical, Instrumentation, Production, Energy, Environmental, or related disciplines.</p> <p>Skills and Experience:</p> <p>Experience in material characterisation, product-quality evaluation, interpretation of analytical results, and preparation of technical reports is preferred. Experience in pyrolysis, biomass conversion, data analysis, and process improvement is desirable. Ability to support experimental activities and coordinate effectively with operators, laboratory staff, and project personnel.</p> <p>Software Skills: MATLAB, SolidWorks, AutoCAD, MS Office, and data-analysis tools.</p>
4	Assistant Project Engineer	01	Rs. 28500	20%	Yes	11 months	<p>Essential Qualification: Bachelor's degree in Chemical Engineering.</p> <p>Skills and Experience: Basic understanding of chemical engineering principles, process operations, and industrial equipment. Familiarity with process monitoring, sampling, data recording, equipment inspection, basic troubleshooting, safety practices, and technical documentation gained through academic projects, laboratory work, or internships is desirable.</p> <p>Software Skills: Basic knowledge of MATLAB, MS Office, and data-analysis tools is desirable.</p>
5	Plant Operator	01	Rs. 26800	20%	Yes	11 months	<p>Essential Qualification: ITI or Diploma in Mechanical, Electrical, Chemical, Instrumentation, Production Engineering, or a related discipline with a minimum of 2 years of experience is preferred.</p> <p>Skills and Experience:</p> <p>Experience in reactor, furnace, boiler, thermal-processing, or pilot-plant operation is desirable. Knowledge of electrical panels and process equipment. Ability to operate continuous and batch pyrolysis reactors in rotational shifts, including feeding, discharge, sampling, storage, start-up, shutdown, safety, and shift-record maintenance. Knowledge of start-up, shutdown, emergency procedures, PPE, fire safety, and high-temperature operations.</p>

6	Lab Assitant	01	Rs. 25000	20%	Yes	11 months	Essential Qualification: 10th/12th, ITI, or Diploma in a relevant discipline. Laboratory or industrial experience with a minimum of 6 years of relevant experience is preferred. Skills and Experience: Previous experience in laboratory or industrial environments is desirable. Knowledge of good laboratory practices, safety procedures, material handling, waste segregation, and spill management. Ability to maintain laboratory and pilot-plant cleanliness; clean glassware, tools, and equipment; receive, label, arrange, and store materials and samples; and maintain housekeeping and activity checklists. The candidate should be physically capable of routine material handling and laboratory support activities.
7	Lab Attendant	01	Rs. 14250	20%	Yes	11 months	Essential Qualification: 10th/12th, ITI, or Diploma in a relevant discipline. Laboratory or industrial experience is preferred. Skills and Experience: Previous experience in laboratory or industrial environments is desirable. Knowledge of good laboratory practices, safety procedures, material handling, waste segregation, and spill management. Ability to maintain laboratory and pilot-plant cleanliness; clean glassware, tools, and equipment; receive, label, arrange, and store materials and samples; and maintain housekeeping and activity checklists. The candidate should be physically capable of routine material handling and laboratory support activities.

How to apply and the selection process:

Interested and eligible candidates should apply online by visiting the Recruitment Portal of Research & Development Cell, IIT Guwahati (<https://iitg.ac.in/rndproj/recruitment/>) on or before 04th November, 2026 (5:30 PM).

Applicants must carefully follow the instructions and guidelines provided on the portal. The relevant position can be accessed by searching for the project title as mentioned in this advertisement. For any technical assistance related to the online application process, candidates may contact proman@iitg.ac.in via email.

Shortlisted candidates will be informed via email. Application status can also be seen from the application portal.

For any clarification, contact:

Principal Investigator: Prof. Senthilmurugan Subbiah

Email: senthilmurugan@iitg.ac.in

Phone: +91 361 258 3527

- Selection will be based on the performance of the candidate in the interview.
- No TA/DA will be paid to the candidates for appearing in the test or interview

Project No: xCLEISPxNRL00985xxSS101

AR (R&D)

Advt. No: IITG/II&SI/Project Staff Rectt-2026/159