



Advertisement for various positions

Indian Institute of Technology, Ropar (IIT Ropar)

**Department of Chemical Engineering, Nangal Road, Transit
Campus, Rupnagar, Punjab 140001**

Applications are invited for the hiring of various project positions for Kotak-IITM Save Energy Mission (KISEM) at IIT Ropar. The primary objective of this project is to conduct an energy assessment for MSMEs to enhance their energy efficiency and reduce their overall carbon footprints. The KISEM project team at IIT Ropar comprises seven Professors from various domains, a BEE Certified Energy Auditor, and an Energy Assessment Technician. The selected person will be involved in carrying out walk-throughs and detailed energy assessments for specific process industries that come under the MSME category and come up with various customized energy conservation measures in the form of the assessment report and guide them in all possible ways to implement the same.

Job description and criteria for the project personnel:

1. Field Engineers: 5 positions

Responsibilities: Collect and record data during Energy Assessment. In discussion with Energy Auditor to analyze data and provide the recommendations. Maintain the Assessment Equipment (Instruments).

Preferred qualifications: Diploma/ BE/ B.Tech/ ME/ M.Tech/ in Electrical/Mechanical/Energy/Instrumentation. Candidates must have obtained at least 60% marks or 6.5 CGPA (55% marks or 6.0 CGPA for SC/ST) in their bachelor's or diploma program.

Preferred Experience: 0-3 years for PG, 0-2 years for UG, and 1-2 years for Diploma holders.

Duration: Two years (Initially for one year and will be extended later).

Salary: 25000 – 35000 per month.

2. Energy Assessors: 2 positions

Responsibilities: Energy Audit as per set protocols, Train and oversee Technicians in assessment and instrumentation, Data review with Faculty Council, Customer relationship, Audit tool uses/feedback, Recommendation, and follow-ups with customer.

Preferred qualifications: Diploma/BE/ B.Tech/ ME/ M.Tech/ in Electrical/Mechanical/Energy/Instrumentation with BEE CEA/CEM certification on energy audit. Candidates must have obtained at least 60% marks or 6.5 CGPA (55% marks or 6.0 CGPA for SC/ST) in their bachelor's or diploma program.

Preferred Experience: 2-4 years for PG, 4-6 years for UG, and 6-8 years for Diploma holders.

Duration: Two years (Initially for one year and will be extended later).

Salary: 65000 - 90000 per month.

The applicant must send the following documents in a single PDF file to mani@iitrpr.ac.in (Dr. **Manigandan**) on/before **17.Mar.2023**.

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Application by filling the details given in the google form shared in **Appendix 1**.
3. Soft copy of all degree certificates.

The selected candidates will be called for an online interview, and, if short-listed, the details of the same will be notified to the candidate one week before the finalized date.



Background: IIT Madras had launched in the year 2018, a dedicated Cell - **Industrial Energy Assessment Cell (IEAC)** to help large and small-scale industries reduce energy consumption through Energy assessments as well as providing evaluated technological solutions. IEAC team generally consists of BEE Certified Energy Auditor, Electrical and Mechanical Technicians, Industry Consultants and Faculty members. IEAC team have already carried out number of detailed assessments (audits) and a large number of walkthrough assessments in Textile, Rubber, Pharma, Automotive and other sectors. The energy assessment, in general, covers all the utilities which are in general common across all the industries. Such assessments have resulted in significant savings for industries - of the order of Rs. 50 lacs to Rs. 2 Cr. or above depending upon the size of the operation of the industry. Quite recently, Kotak Mahindra have started to support this activity through CSR funding to enable IITM to expand this activity across India and carry out Energy Assessments in industries with more focus on MSME sector. As an initial step towards this expansion, similar teams have been set up already at IITs located in Mumbai, Gandhinagar, Ropar, and Indore. With initial guidance and support from IIT Madras-IEAC team, these institutions started to carry out Energy Assessments in the respective local areas. Now IEAC is expanding to IIT Guwahati and Hyderabad. If you are passionate about Energy and Sustainability, looking to collaborate with Faculty members at IITs and Industry experts to identify and drive energy efficiency at Industries, check out the positions below and apply [HERE](#). For further information, you can drop us an email at ieac4@icsrpis.iitm.ac.in.

Industrial Energy Assessment Cell	
Location : Guwahati, Hyderabad, Chennai, Mumbai, Indore, Ropar & Gandhinagar	
Role type : Full time	
Compensation: As per industry Norms	
Position	Brief description
Energy Assessor	<ol style="list-style-type: none"> 1. M.Tech in Electrical/ Mechanical/Energy/Instrumentation with 2-4 years' experience 2. B.Tech in Electrical/ Mechanical/Energy/Instrumentation with 4-6 years' experience 3. Diploma in Electrical/ Mechanical/Energy/Instrumentation with 6-8 years' experience <p>BEE CEA/CEM is desirable.</p> <p>Key Responsibilities: Energy Audit as per set protocols, Train and oversee Engineers in assessment and instrumentations, Data review with Faculty Council, Customer relationship, Audit tool uses/feedback, Recommendation, and follow-ups with customer</p>
Field Engineer	<ol style="list-style-type: none"> 1. B.Tech in Electrical/ Mechanical/Energy/Instrumentation with 1-2 years' experience preferred. Freshers can also apply. 2. Diploma in Electrical/ Mechanical/Energy/Instrumentation with 1-2 years' experience <p>Key Responsibilities: Collect and record the data during Assessment. In discussion with Energy Auditor to analyse data provide the recommendations. Assessment Equipment (Instruments) maintenance.</p>