NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI
DEPARTMENT OF MECHANICAL ENGINEERING
ADVERTISEMENT FOR THE POST OF PROJECT ASSOCIATE-I

NITT/MEC/DST-CEST/PA-I/2026   **Dated 12.01.2026**

Applications are invited from Indian Nationals only for Project Positions as per the details given below, for research projects, under the principal investigator **Dr. R. Anand, Professor, Department of Mechanical Engineering, in National Institute of Technology, Tiruchirappalli- 15, Tamil Nadu.**

Title of the Project	:	**Sustainable Power Generation Using Biomass Gasification for Cold Storage Plant to Preserve Agro-products of Tribal Communities in Top Sengattuppatti**
Funding Agency forthe Project specimen	:	**DST / CEST**
Project Positions, Number, Qualification, Emoluments, Duration:	:	**Project Associate-I** **No of vacancy :** 1 No. **Qualification:** **Essential:** B.E/B.Tech in Engineering or Technology from a recognized university or equivalent **Desirable:** M.E/M.Tech in Thermal Engineering or Chemical Engineering or Environmental Engineering or any other appropriate/relevant specialization. **Emoluments** Rs. 25,000/- + 20% HRA per month (For two years) **Duration:** Maximum Period of 2 Years
Job Description:	:	**a.** To Design, develop, and test a biomass gasification system suitable for the specific biomass resources available in Top Sengattuppatti. **b.** Integrate the developed gasification system with the cold storage

		plant to provide a reliable and sustainable power supply.
		c. To work with the tribal communities in Top Sengattuppatti to understand their needs, provide training on the operation and maintenance of the gasification and cold storage systems, and ensure community participation in the project.
		d. Compilation of Results, Report Preparation and Presentation
		e. The candidate selected as PA-I is eligible to register for pursuing Ph.D. programme as per NITT rules and regulations after fulfilling requirements of Ph.D. programme.

A. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.

B. Candidates desiring to appear for the Interview should submit their applications with the following documents to the Office of the Principal Investigator through Registered Post.

C. Application should be furnished only in the prescribed format.

D. Experience including research, industrial field and others.

E. Attested copies of degree/ certificate and experience certificate

F. Candidates shall bring along with them the original certificates at the time of interview for verification.

G. Please note that no TA/DA is admissible for attending the interview.

H. Age limit: 35 years. For SC/ST candidates, 5years of age-relaxation is permissible beyond the upper age limit. For OBC (NCL), 3 years of age-relaxation is permissible beyond the upper age limit.

I. PI Can be reached through the mail (anandachu@nitt.edu) with the subject marked as "**PA-I DST/CEST 2026**"

J. PI Address for the correspondence.

Dr. R. Anand, Professor, Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli-620015, Tamilnadu, India.

K. The last date and time of submission of duly filled in application is **26.01.2026.**

Dr. R. Anand
Principal Investigator

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI
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APPLICATION FOR THE POST OF PROJECT ASSOCIATE-I

For Office Use only Serial Number allotted to the Applicant ………………………………………….. Signature of the Application Screening Committee Chairman	Paste here your recent passport size colour Photograph

APPLICATION FOR THE POST OF PROJECT ASSOCIATE-I

1. Name of the Candidate in full	
2. Nationality	
3. Mother Tongue	
4. Date of Birth	Date Month Year
5. Sex	Male / Female
6. Marital Status	Married / Single
7. Category SC / ST / OBC / General	Please specify
8. Address for communication with Mobile number and E Mail ID	
9. Project Title	
10. Name of the Post applied for	
11. Advertisement Number with Date	

Academic Career : Enclose photo copies of the qualifying degree certificates and mark sheets/ grade cards showing the percentage of marks or CGPF from HSC onwards

Name of Exam	School / University	Board/ University	Broad subjects of study	Year of Passing	% of marks / GCPA
S.S.L.C					
H.S.C					
Graduation					
Post-Graduation					
Any other					

Enclose self-attested Xerox copies

12. GATE/NET Score ……………………………Subject
……………………………………Year………………………………………………………….

13. Have you or your relatives associated with NIT Tiruchirappalli? (if yes, provide the details)

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14. Have you already associated/associating with NIT Tiruchirappalli.(Student/Project staff, etc.,)? (if yes, provide the details)

Position	Duration		Nature of Job
	From	To	

15. Work Experience, if any

Organization	Designation	Duration		Nature of Job
		From	To	

16. Previous Research work and publication, if any (enclose copies of published or unpublished work)

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17. Proof of past study as a sponsored candidate, or other contractual obligation, if any:

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18. Reference

Name	Address	Phone & E Mail ID

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19. Declaration: I do hereby that the information furnished in the application is true to the best of my knowledge and belief. If admitted, I shall abide by the rules and regulations of the Institute and Project associated to it. If any information furnished in this application is found to be untrue, I am liable to forfeit the seat / appointment allotted to me any time in future and legal action be taken against me.

Date: Full signature of the Applicant

List of Enclosures: (1)
                     (2)
                     (3)
                     (4)