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Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy
National Institute of Technology Karnataka Surathkal
NITK Campus Post Srinivasnagar Surathkal-575025

Ref. No: 10/NITK/MTCE-PHASEII/2025-26/A17 Date: 16/02/2026

Advertisement for the selection of **Project Associate**
Under
Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy (MTCR-WR-CE)

Applications are invited from eligible and motivated candidates for the position of **Project Associate (M.Tech)** in the CSR-funded research project titled 'Implementation of a One-Ton Biogas Plant in Paradeep, Odisha – Phase II - Biogas Purification and Bottling,' under the Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy at NITK Surathkal.

Objective:

The **Maire Tecnimont Fellowship** for Sustainable Development aims to identify and support motivated young researchers to carry out high-impact research in frontier areas of Waste Recycling and Circular Economy. Selected fellows will work under the mentorship of a Faculty member at NITK Surathkal. This initiative is expected to empower the fellows to evolve into independent researchers capable of contributing to sustainable development goals.

In the long term, the beneficiaries of this fellowship can support local governments, planners, and policymakers in tackling challenges related to waste management, access to clean water, and sustainable energy. Further, their contributions can generate employment opportunities, aiding social upliftment and promoting social integration and inclusion.

The current project aims to implement biogas purification, compression, and bottling system to upgrade raw biogas into high-purity compressed biogas (CBG) for safe storage and transportation at Paradeep, Odisha. The selected Project Associate will work at NITK support the Life Cycle Assessment (LCA), technical documentation, system monitoring, and coordination activities for Phase-II implementation.

The duration of the fellowship is currently **eight months** for the Project Associate and extendable based on the availability of funding and performance of the candidate. Interested candidates should fill in their academic and personal details in the prescribed application format and send the same along with attested copies of relevant certificates **within 10 days** from the date of this advertisement to the contact person mentioned. Only shortlisted candidates will be informed through post/email/phone or via the institute website: www.nitk.ac.in.

Shortlisted candidates must report to the contact person for certificate verification, followed by a written test and technical interview. The interview is most likely to be held during the **first week of March 2026**. Any changes to the interview schedule will be intimated through email. The final selection will be based on educational qualifications, relevant experience, written test performance, and interview outcome. No TA/DA will be provided for attending the written test and interview.

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Name of the Post	Project Associate (M.Tech)
Number of Positions	01 (One)
Source of Fund	Implementation of a One-Ton Biogas Plant in Paradeep, Odisha – Phase II - Maire Tecnimont Scholarship for Life Cycle Assessment and Sustainable Development
Title project	Implementation of a One-Ton Biogas Plant in Paradeep, Odisha – Phase II - Biogas Purification and Bottling
Sponsoring Company	MAIRE Group, Milan, Italy and its subsidiaries ((M/s. Tecnimont Private Limited, and M/s. KT – Kinetics Technology S.p.A India Projects Office, Tecnimont House, Mumbai - 400064)
Monthly Fellowships /Research grants available	Refer Table 01 in Page No. 04
Faculty/Mentors Associated fromDepartment/Centre	Department of Mechanical Engineering/Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy
Tenure of availabilityof Scholarships	Eight months, extendable up to one year or more, based on the availability of funding and performance of the candidate.
Location	NITK Surathkal (with field visits to Paradeep, Odisha if required)
Qualification and Experience	**Essential Qualification: M.Tech** in Mechanical, Chemical, Energy, Environmental Engineering, or related fields, with relevant experience (0-2 years) in biogas technology, Life Cycle Assessment (LCA), Risk assessment, project coordination and/or sustainability analysis of waste to energy systems. **Role & Responsibilities**: The selected candidate will: 1. Assist in Life Cycle Assessment (LCA) and risk assessment studies of the biogas plant. 2. Support implementation and monitoring of the Phase-II purification and bottling system. 3. Prepare technical reports, documentation, and stakeholder communications. 4. Assist in data collection, system evaluation, and performance analysis. 5. Support coordination between NITK, vendors, and municipal stakeholders.
Desirable qualities	Knowledge of: a) Biogas or waste-to-energy systems b) Root cause analysis techniques for failure analysis. c) Life Cycle Assessment (LCA) d) Process monitoring and documentation

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	Experience in: a) Technical reporting b) Project coordination c) Data analysis
Additional information	May be obtained by contacting the Head/ CSR Project Coordinator, Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy directly through email.
Last date for receipt of application	**26th February 2026**

NITK Surathkal reserves the right to reject any or all the applications without assigning any reasons thereof. Selected candidates will be required to join immediately upon selection.

Interested candidates may apply in the prescribed format along with CV, photocopies of relevant certificates, grade/mark sheets, publications etc., and should reach NITK on or before **26/02/2026** by post/email (scanned documents) at the prescribed address below:

Sd/
Dr. Vasudeva Madav
CSR Project Coordinator
Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy
National Institute of Technology Karnataka Surathkal
Email 1: mt.center-research@nitk.edu.in

Tel: +91-824-2473670, M: +91-9008889796

Faculty Associated from various Departments/Centre's NITK

From Mechanical Engineering

Dr. Vasudeva Madav Associate Professor and PI, Department of Mechanical Engineering National Institute of Technology Karnataka Surathkal P.O:Srinivasanagar, Mangalore, Karnataka- 575 025	E-mail: vasu@nitk.edu.in

Eligibility:

- The applicant should be an Indian citizen
- The applicant **must have been awarded a M.Tech** degree in Mechanical, Chemical, Environmental Engineering, or a related field from a recognized university/institution.
- Relevant experience and (0-2 years) in biogas technology, Life Cycle Assessment (LCA), project coordination and/or sustainability analysis of waste to energy systems.

Nature & Duration of Support:

- The fellowship is tenable only in India and will be implemented at NITK, Surathkal. The Maire TecnimontCentre for Research on Waste Recycling and Circular Economy, NITK, Surathkal, and the respective department will provide necessary administrative and

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infrastructural support.

- The position is purely temporary and co-terminus with the project and is currently tenable for eight months. Extendable based on the availability of funding and performance of the candidate.
- The fellows will be entitled to receive the grants as given in table 1 below:

Table 01: Fellowship and Research Grants (Project Associate (M.Tech))

Sl. No.	Budget Head	Monthly Stipend (₹)	Duration (Months)
1	Fellowship	Rs. 37,000/- + 18% HRA	Eight months (extendable up to one year or more, based on project requirement)
2	Research grant for consumables	Rs.20,000/- per year	

- Research grant can be used for minor equipment, consumables, contingencies, and domestic travel. There isno provision for providing manpower support under this scheme. The Fellow is expected to undertake the research objectives by himself/herself during the entire duration of the fellowship.
- The fellows are not eligible to receive any other fellowship from any Government or Non-Governmentalsource during the tenure of the fellowship.
- The fellows must seek the consent of Faculty Mentor/Project Coordinator/ Dean R&C if he/she intends to be away from NITK (except for fieldwork related to the project) continuously for a period of more than eight weeks.

Selection & Mode of Application

The call for applications for MTE-PDF for Maire Tecnimont Centre for Research in Waste Recycling and CircularEconomy will be notified through the website www.nitk.ac.in

- The application form along with a research proposal highlighting the objectives of the research work to beundertaken should be submitted online through the email
- The selection will be based on the recommendations of an Expert Committee that will be constituted by theMaire Tecnimont Centre for Research on Waste Recycling and Circular Economy, NITK, Surathkal and asper the procedure laid down by NITK, Surathkal
- Final Selection will be made as per the procedure laid down by NITK, Surathkal.
- If required, the applicants may be called for the personal interview.

How to apply:

For successful submission of the application the following points may be noted:

- Applicants should fill the form, which includes Bio-data, Photo, Institute, Address, etc.
- Details including Project Title (max 500 characters), Project summary (max 3000 characters),

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Keywords (max 6), Objectives of the project (max 1500 characters), Expected output, and outcome of theproposal (max 1500 characters) should be provided at the time of submission of the application.

- Work Methodology and Research Plan must be submitted in a single PDF file, not more than 3 pages(max 10 MB).

Documents required (in PDF) should be in prescribed format:

- Duly Filled Application
- Bio-data
- Age Proof Certificate
- Qualification Certificate
- Category Certificate (in case of Age Relaxation)
- Undertaking Certificate by the applicant (as per the attachment)
- Plagiarism undertaking

Termination of the Fellowship

- If any fellow wishes to terminate the fellowship, he/she shall inform the Maire Tecnimont Centre for Research on Waste Recycling and Circular Economy, NITK, Surathkal, through the mentor immediatelywith one month notice.
- Maire Tecnimont Centre for Research on Waste Recycling and Circular Economy, NITK, Surathkal reserves the right to terminate the Fellowship at any stage if it is convinced that appropriate progress isnot being made or the grant has not been utilized properly.

Leave

MTE- PDFs are entitled to leave as per the rules of NITK. Participation in scientific workshops held in India orabroad will be treated as on duty. As per the Govt. of India instructions issued from time to time, maternity leavewould be available to female candidates in all categories.

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Application for Maire Tecnimont fellowships for

Maire Tecnimont Centre for Research in Waste Recycling and Circular Economy

For Office Use:	Paste your recent Passport size photo
Serial Number: ……	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates: ……..	

1. Name:	
2. Father's Name:	
3(a). Date of Birth:	**3(b). Nationality:**

4. Contact information:

(i) Address for communication:	
(ii) Mobile No:	
(iii) Email ID:	

5. Educational Qualifications*

Class	**Subject/ Stream**	**Board/ University**	**Name of Institute**	**Marks/ CGPA**	**Year of Passing**
X					
XII					
UG Degree					
PG Degree					
MPhil					
PhD					

Competitive Exam	**Qualified**	**Marks / Rank**	**Year**
CSIR-UGC NET	Yes / No		
GATE	Yes / No		

***Attach self-attested copies of all certificates.**

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6. Work Experience, if any (in years) .....

Organization	Designation	Duration	Responsibilities

7. Number of Publications: (Attach a separate list of publications with full details)

National	International

8. Workshop/Training programs attended*:

S. No.	Details

***Attach separate sheet (if required)**

9. Technical Skills

S. No.	Details

10. Other Achievements*:

S. No.	Details

***Attach separate sheet (if required)**

11. Declaration: All the above information provided by me is accurate to the best of my knowledge and I understand that, if found incorrect, I may be disallowed to appear in the interview/test or terminated at any stage.

Date:

Place:

Signature of the Candidate

Note: Attach the list of enclosures along with the application.

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Undertaking by the Fellow

I,....., Son/Daughter/Wife of Shri....., resident of ..... agree to undertake the following, If I am offered the PDF/Project Associate funding by Maire Tecnimont,

1. I shall abide by the rules and regulations of NITK during the entire tenure of the fellowship.
2. I shall also abide by the rules, discipline of the institution.
3. I shall devote full time to research work during the tenure of the fellowship.
4. I shall prepare the progress report on the 25th day of every month and communicate the same to Maire Tecnimont through the mentor and Project Coordinators.
5. I shall send two copies of the consolidated progress report at the end of the fellowship period.
6. I further state that I shall have no claim whatsoever for regular/permanent absorption on the expiry of the fellowship.

Date: Signature

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Plagiarism undertaking by the Fellow

To

Sir I _____
hereby certify that the research report titled _____
_____
_____submitted for as a part of PDF /Project Associate funding by Maire Tecnimont is my original idea and has not been copied/taken verbatim from anyone or from any other sources. I further certify that this proposal has been checked for plagiarism through a plagiarism detection tool i.e. _____ approved by the Institute and the contents are original and not copied/taken from any one or many other sources.

I am aware of the UGCs Regulations on prevention of Plagiarism i.e. University Grant Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulation, 2018.

I also declare that there are no plagiarism charges established or pending against me in the last five years. If the funding agency notices any plagiarism or any other discrepancies in the above proposal of mine, I would abide by whatsoever action taken against me by NITK, as deemed necessary.

Name & Signature of Fellow with date