



AF 152126

### Memorandum of Understanding

This Memorandum of Understanding (hereinafter referred to as "MoU") is made on this **09 of February 2026** and

between

A. **Rajasthan State Pollution Control Board (RSPCB)**, a statutory authority, having its office at 4, Jhalana Institutional Area Jhalana Doongri, Jaipur- 302004, Rajasthan represented by **Sh. Kapil Chandrawal, Member Secretary, Rajasthan State Pollution Control Board** hereinafter referred to as "RSPCB" (which expression shall, unless repugnant to the context, include its successors and permitted assigns),

AND

B. **Malaviya National Institute of Technology Jaipur (MNIT)**, an Institute of National Importance under the Ministry of Education, Government of India, having its office at Jawaharlal Nehru Marg, Jaipur-302017, Rajasthan, represented by **Prof. Narayana Prasad Padhy, Director, Malaviya National Institute of Technology (MNIT), Jaipur** hereinafter referred to as the "Service Provider" or "MNIT".

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RSPCB and MNIT are hereinafter individually referred to as a "Party" and collectively as the "Parties".

WHEREAS,

1. In accordance with the Rajasthan State Budget 2025–26, a Clean and Green Technology Development Centre (CGTDC) will be established. The centre will carry out activities that can help to tackle environmental challenges across a broad range of themes, including projects on:
  - waste minimization and utilization of waste by converting into resource
  - green products for sustainable production
  - pollution-control technologies, monitoring systems, and IoT/digital tools for environmental monitoring and compliance
  - technologies and innovation to address environmental degradation
  - public education and awareness about environmental issues
  - environmental conservation and sustainable development initiatives
  - other activities that demonstrably reduce pollution and restore the environment.
2. RSPCB is establishing the CGTDC with integrated R&D and skill-development facilities to enable technology development, pilot demonstrations, capacity building, and inclusive policy and implementation support for the State.
3. To facilitate dissemination of technology and enhance operational efficiency the CGTDC will undertake capacity-building initiatives by organising skill-development and certificate programmes, training and workshops.
4. The MNIT can execute activities through its aligned/associated agencies/organisations and has the academic, scientific, engineering, and technical capabilities to serve as the Service Provider for establishing and operationalising the CGTDC and for fostering innovation and entrepreneurship and is willing to collaborate with RSPCB.
5. The Parties desire to set forth the terms and conditions governing their roles, responsibilities, deliverables and coordination mechanisms for the above.

NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS

**1. Definitions**

1.1. "CGTDC" means the Clean and Green Technology Development Centre

1.2. "DPR" means the Detailed Project Report to be prepared for the CGTDC covering building, infrastructure requirements, capital expenditure, equipment, human resources, phasing and timelines, O&M plans.

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- 1.3. "Skill Centre" means the training and capacity-building facility under the CGTDC, providing workshops, courses, and certification programs for officials, industry, practitioners and students.
- 1.4. "Technology & Knowledge Hub" means the centralized repository and platform for design standards, datasets, manuals, guidelines, case studies, pilot results and decision-support tools generated under the CGTDC

## 2. Purpose and Objectives

- 2.1. To establish and operate the CGTDC for Rajasthan with integrated R&D, pilot testing, and skill development functions
- 2.2. To carry out capacity building activities viz a viz training workshops, skill courses, and certification programs
- 2.3. To assist in establishment of CGTDC which includes detailing building infrastructure, capital requirement, equipment needs, space planning, resource management plans and SOPs for operations of the CGTDC.
- 2.4. To develop and institutionalize SOPs, QA/QC protocols, safety guidelines, standard procedures for testing and validating technologies and pilot systems.
- 2.5. To undertake pilots and demonstrations in urban and rural/industrial settings; perform techno-economic feasibility and support mainstreaming of clean and green technologies.

## 3. Period

The term of this Memorandum of Understanding shall be for a period of five (5) years effective from the date of signing, unless extended by mutual agreement.

## 4. Scope of Work

- 4.1. MNIT shall provide technical support to RSPCB for the setting up and operationalization of the CGTDC as per the detailed scope of work of CGTDC as mentioned in Annexure I.
- 4.2. MNIT shall house CGTDC at its campus facility during the period of this MoU and provide requisite utilities and basic services for operation.
- 4.3. MNIT shall hire the requisite resources and procure equipment on behalf of CGTDC in accordance with approved plans. All such equipment and assets procured from project funds shall remain the propriety of the RSPCB.
- 4.4. MNIT shall identify and engage academic and research institutions possessing specialized expertise in relevant fields and, where appropriate and subject to applicable laws and regulations, associate with such institutions as Knowledge Partners of RSPCB to advance and expand the scope, objectives, and activities contemplated under this MoU, including academic programmes/courses, research, training, and capacity-building. RSPCB, MNIT, and the identified institution may, as required, enter into a tripartite MoU to formalize such collaboration.

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## 5. Roles and Responsibilities

### 5.1.RSPCB:

- Develop a Joint Management Committee/Steering Committee for supervising operations of the CGTDC from nominate officials from RSPCB and MNIT.
- The Joint Management Committee/Steering Committee shall be chaired by an official of the State Board and shall, in addition, comprise two (2) members from the RSPCB (officers not below the rank of EE/SSO) and two (2) members from the MNIT (not below the rank of Associate Professor), to be nominated by their respective institutions
- Provide funding as per recommendations of the Joint Management Committee/Steering Committee with proper approvals of RSPCB.
- Act as nodal agency and facilitate inter-departmental coordination with relevant State/National bodies.
- Provide access to relevant datasets, official websites/portals , and monitoring networks, subject to applicable policies and permissions.
- Review and approve work plans, DPR, deliverables, pilot locations, and training curricula and provide timely feedback.
- Facilitate permissions, field access, and administrative support for pilots, installations, and engagements.
- Support integration of tools, SOPs, standards, and validated technologies into systems and workflows.

### 5.2.MNIT:

- Provide technical support to RSPCB for the setting up of the CGDTC as per the detailed scope of work mentioned in **Annexure I** of this MOU.
- Provide space for housing of the CGTDC at its campus facility during the subsistence of this MoU.
- Arrange requisite resources, design and set up laboratories/ testbeds, and procure equipment/instruments as per approved lists.
- Assist in preparation and submission of the DPR, including building infrastructure, capital, equipment, staffing, SOPs, safety, QA/QC, and phasing plans.
- Develop the Technology & Knowledge Hub, testing protocols, SOPs, manuals, and dashboards; ensure scientific rigor, validation, documentation, and quality assurance.
- Execute collaboration/data-sharing arrangements with Expert Agencies and other institutions with RSPCB's concurrence; support industry, ULB, and MSME engagement.

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- Prepare and deliver reports, datasets, software tools (as applicable), manuals, training materials, pilot implementations, and certification frameworks and refine based on user feedback.
- Establish and operate the Skill Centre, conduct training workshops, skill courses, and certification programs; track outcomes and maintain records.
- Ensure compliance with applicable laws, standards, data protection norms, environmental and lab safety protocols, and ethical guidelines.
- Carry out all activities within the scope of work of the CGTDC as detailed in **Annexure I** of this MoU

## 6. Deliverables and Timelines

- 6.1. Detailed milestones, outputs, formats, acceptance criteria, and timelines shall be specified in **Annexure II**.
- 6.2. Progress shall be reviewed through the Joint Management Committee/Steering Committee.

## 7. Data Management, Access, and Intellectual Property

### 7.1. Ownership:

- Any Central or State data provided by RSPCB or other departments shall remain the property of the respective authorities / department.
- Project-generated datasets, SOPs, standards, manuals, tools, and documentation funded under this MoU for the State of Rajasthan shall be owned by RSPCB. MNIT shall have a non-exclusive, royalty-free license to use such materials for academic research and non-commercial purposes, subject to confidentiality and security requirements.

### 7.2. Methods, Software and Hardware:

- Methodologies, models, software and equipment/prototypes developed under this MoU shall be licensed to RSPCB on a non-exclusive, perpetual, royalty-free basis for public service delivery in Rajasthan. MNIT may reuse generic components for academic and research purposes.
- Background IP of either Party shall remain the property of CGTDC. Any foreground IP specifically developed and funded under this MoU shall be addressed as per directions of the Joint Management Committee, with appropriate licenses to both Parties for public interest and academic use. Commercialization, if any, shall be subject to separate agreements approved by RSPCB.

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### 7.3.Publications:

- MNIT may publish academic outputs with acknowledgment to RSPCB and the Government of Rajasthan (where necessary), after providing reasonable prior notice and complying with confidentiality, security, and attribution norms.

### 7.4.Data Protection:

- Parties shall comply with applicable laws, the National Data Sharing and Accessibility Policy (NDSAP), Open Government Data guidelines, and State directives. Any personal or sensitive data shall be handled in accordance with law and ethical standards.

### 7.5.Open Access:

- Non-sensitive datasets and derived products may be shared with State departments (as per the requirement) and, where feasible and approved by the Joint Management Committee/ Steering Committee, made publicly accessible via the Technology & Knowledge Hub.

## 8. Financial Provisions and Payment Terms

- 8.1. This MoU does not, by itself, constitute a financial commitment.
- 8.2. The MNIT will make Annual Plan and submit proposal with financial requirement.
- 8.3. Requirement of resources both institutional and manpower will be reviewed by Joint Management Committee and funding shall be provided based on the recommendations of the Joint Management Committee/Steering Committee and approval of Chairperson, RSPCB.
- 8.4. The Joint Management Committee/Steering Committee will review the detailed requirements and specifications prior to forwarding them for approval.
- 8.5. The MNIT shall deploy required manpower as a temporary arrangement for the project period as per MNIT rules. The Human Resource deployed shall not be construed to be an employment under RSPCB. In no case, RSPCB shall be liable for any financial liability regarding the same beyond the expiry of the project.
- 8.6. Funds shall be released by RSPCB to MNIT in quarterly installments. After submission of Utilization Certificate (U.C.) regarding the funds released for one quarter, subsequent funds for next quarter shall be released. MNIT shall be required to submit a consolidate U.C. at the end of period of the project. Format of U.C. is appended at **Annexure III**.
- 8.7. Assets procured from project funds shall be used for CGDTC and transferred to RSPCB upon completion of the MoU period.
- 8.8. Taxes shall be as applicable under law. GST, if applicable, shall be paid as per prevailing rates.

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## **9. Confidentiality and Security**

- 9.1. Each Party shall keep confidential all non-public information received under this MoU, except as required by law or with prior written consent of the disclosing Party.
- 9.2. Security protocols for systems, networks, and data hosting shall be implemented to safeguard government data and critical services. Classified or restricted data shall be handled by government instructions.

## **10. Branding, Communication, and Use of Emblems**

- 10.1. Public communications related to the CGTDC shall be coordinated between the Parties. Appropriate acknowledgment of RSPCB, Government of Rajasthan, and MNIT shall be ensured.
- 10.2. Use of the State Emblem and Government insignia shall follow applicable rules and prior approvals.

## **11. Term, Extension, and Termination**

- 11.1. Term: This MoU shall commence on the date of signing and remain in force for sixty (60) months, unless extended by mutual written consent.
- 11.2. Termination for Convenience:  
Either party may terminate this MoU or any work order, in whole or in part, by providing appropriate justification with sixty (60) days' written notice, subject to the settlement of dues for all accepted deliverables.
- 11.3. Termination for Cause: Either Party may terminate for material breach by the other Party, after thirty (30) days period from receipt of written notice.
- 11.4. Effects of Termination: On termination, Parties shall return or securely destroy confidential information as directed; data, tools, and assets funded under this MoU shall be handed over to RSPCB, subject to the licenses granted herein. Clauses on data/IP, confidentiality, publications, liability, dispute resolution, and governing law shall survive termination.

## **12. Force Majeure**

Neither Party shall be liable for failure to perform its obligations due to events beyond reasonable control including natural disasters, war, pandemics, acts of government, or major infrastructure failures. Obligations shall resume as soon as practicable.

## **13. Dispute Resolution and Governing Law**

- 13.1. The Parties shall first attempt to resolve disputes amicably through mutual discussions and the Steering Committee.

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13.2. In the event the Parties are unable to resolve any dispute amicably, the parties are free to approach the Hon'ble High Court of Judicature for Rajasthan at Jaipur. The language of the proceedings shall be English. The judgment/order of the said Court shall be final and binding on the Parties.

#### **14. Amendment, Waiver, Assignment, and Severability**

14.1. This MoU may be amended only by a written instrument signed by authorized representatives of both Parties.

14.2. No waiver of any provision shall be deemed a waiver of any other provision or of the same provision on another occasion.

14.3. Neither Party may assign its rights or obligations under this MoU without prior written consent of the other Party.

14.4. If any provision is held invalid or unenforceable, the remaining provisions shall continue in full force and effect.

#### **15. Stamp Duty and Costs**

15.1. Stamp duty and registration, if any, shall be paid as per applicable law and shall be borne by the Service Provider, unless otherwise required by law or agreed in writing.

15.2. Each Party shall bear its own legal and administrative costs related to this MoU.

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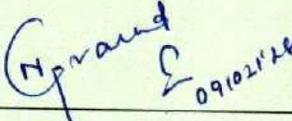
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## 16. Effective Date

This MoU shall become effective on the date of 09 of February 2026.

In witness whereof, the parties hereto have entered into this MoU effective as of the day and year first above written. This MoU has been executed in two originals; one of these has been retained by MNIT and the other by RSPCB.

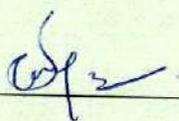
For and on behalf of **MNIT**

Signature:   
**Director**  
Malaviya National Institute of Technology Jaipur  
JAIPUR-302017 (Rajasthan)  
**Name:** Prof. Narayana Prasad Padhy

**Designation:** Director, Malaviya National Institute of Technology Jaipur (MNIT)

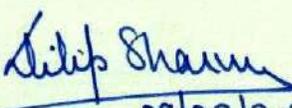
Witness(es):

1.

Signature:   
**Name:** Prof. Sanjay Mathur

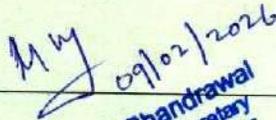
**Designation:** Professor, Department of Civil Engineering, MNIT, Jaipur

2.

Signature:   
09/02/2026  
**Name:** Prof. Dilip Sharma

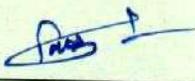
**Designation:** Professor, Department of Management Studies, MNIT, Jaipur  
*Mechanical Engineering*

For and on behalf of **RSPCB**

Signature:   
09/02/2026  
**Kapil Chandrawal**  
Member Secretary  
R.S.P.C.B., Jaipur  
**Name:** Sh. Kapil Chandrawal

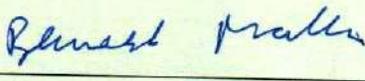
**Designation:** Member Secretary,  
Rajasthan State Pollution Control Board

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Signature:   
**Name:** Sh. Vishnu Dutt Purohit

**Designation:** Chief Environmental Engineer, Rajasthan State Pollution Control Board

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Signature:   
**Name:** Sh. Bhuvanesh Mathur

**Designation:** Additional Chief Environmental Engineer, Rajasthan State Pollution Control Board

**Detailed Scope of Work under Clean & Green Technology Development Centre**

To assist in establishing the Clean and Green Technology Development Centre as per the following scope:

Segment	Mapped scope items
R&D CENTRE	<p>1. Establishment of R&amp;D Facility</p> <p>1.1 Planning, Design and Implementation</p> <p>1.1.1 Develop functional requirements, space program, laboratory layouts, and equipment.</p> <p>1.1.2 Procure, install, test, and commission laboratory furniture, fume hoods, safety systems, instrumentation, and software.</p> <p>1.1.3 Provide prototyping, testing and characterization, standards and compliance support, techno-economic assessments, and field pilot facilitation.</p> <p>2. End-to-End Support Functions</p> <p>2.1 R&amp;D Support</p> <p>2.1.1 Ideation, problem scoping, proposal development, prototyping, laboratory testing, standards guidance, pilot deployment, and performance monitoring</p> <p>2.2 Documentation and Knowledge Management</p> <p>2.2.1 Maintain repositories of SOPs, manuals, datasets (subject to confidentiality), and learning resources</p> <p>2.2.2 Periodic review and updates based on regulatory/industry changes and feedback</p>
Capacity Building & Skill Centre	<p>3. Establishment of Skill Centre and Maintenance Centre</p> <p>3.1 Infrastructure and Systems</p> <p>3.1.1 Set up classrooms, seminar rooms, maker spaces, and a content recording studio; deploy a Learning Module System (LMS) with registration, assessment, proctoring, and analytics</p> <p>3.1.2 Conduct 10 short-term Skill Development Courses (1–2 weeks), 2–3 Online Certificate Courses (3–6 months), and 20 trainings/workshops (1–2 days) per year</p> <p>3.1.3 Develop training modules (syllabi, instructor guides, slide decks, lab/practical manuals, multimedia content, assessments, evaluation rubrics)</p> <p>3.1.4 Empanel and train instructors; conduct Training-of-Trainers (ToT);</p> <p>3.1.5 Implement assessment and certification workflows; pursue accreditation/mapping to recognized bodies</p>

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**Detailed Milestone and Timeline:**

The various steps required for establishing the Clean and Green Technology Development Centre along with timeline are as under:

Sr No.	Milestone	Timeline
1	Signing of MoU	T0
2	Inception Report	T0+within 30days from signing of MoU)
3	Establishment of Physical Infrastructure	T0+ (within 45 days from signing of MoU)
4	Procurement of Equipment/ Instruments	T1+ (within 30 days after submitting the Inception Report)
5	Hiring of Requisite Resources	T1+ (within 30 days after submitting the Inception Report)
6	Lab Commissioning & Safety Readiness	T1+ (within 45 days after submitting the Inception Report)
7	Launch of Skill Centre (First Courses)	T1+ (within 50 days after submitting the Inception Report)
8	Commencement of CGTDC operations	T1+ (within 75 days after submitting the Inception Report)

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**Form of Utilization Certificate**

1. Name of the Programme:
2. Grant:
  - a. Recurring
  - b. Non-recurring
3. Name of the Grantee Organisation:
4. Reporting Quarter:
5. Grants position at the beginning of the Quarter
  - a. Cash in Hand/ Bank:
  - b. Unadjusted Advances:
  - c. Total:
6. Details of grants received, expenditure incurred and closing balances: (Actuals, figures in INR)

Unspent Balances of Grants received in last quarter (figure as at Sl no 4c)	Interest earned thereon	Interest deposited back to the Govt.	Grants received during the quarter			Total Available Funds (1+2-3+4)	Expenditure Incurred	Closing Balances (5-6)
			Sanction No. (i)	Date (ii)	Amount (iii)			
1	2	3	4			5	6	7

Component wise utilization of grants:

Grant-in-aid general	Grant-in-aid- Salary	Grant-in-aid- creation of Capital assets	Total

Details of grants position at the end of the quarter:

- i) Cash in Hand/Bank:
- ii) Unadjusted Advances/Commitments:
- iii) Total:

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