

Title of the Project

Proposal ID:

PRESENTED BY

Principal investigator name

College name – Aishe code

RCI -

State



Background on the Waste Addressed

- **Type of Waste:** Describe the type of waste (e.g., organic, plastic, e-waste)
- **Quantity of Waste Generated:** Provide data (e.g., "2 tons of organic waste daily in XYZ village every day")
- **Current Waste Collection Strategy:** Explain current methods (e.g., "Manual collection twice a week")
- **Current Waste Management Practices:** Detail current practices (e.g., "Open landfill, no segregation")
- **Proposed Waste Management Strategy:** Describe proposed improvements (e.g., "Introduce composting and segregation")
- **Source of Data:** Cite sources (e.g., "2023 Village Sanitation Survey, local panchayat records")
- **Visuals:** Include a pie chart or bar graph showing the breakdown of different types of waste. Add relevant images.

Proposed Intervention

- **Technology or Plan of Action:** Describe technology/methods (e.g., "Installation of a biogas plant for organic waste in a panchayat school")
- **List the objectives of the project** against changes, if any
- **Details of Technology:** Provide detailed calculations, specifications and drawings of the product (e.g., “ 2 ton/ day capacity with a footprint of xy sq.ft that can produce xx amount of biogas in a day catering to a meal preparation for school for xx days)
- **Implementation layout:** Outline steps with timeline (e.g., "Step 1: Site preparation (Jan 2024), Step 2: Installation (Feb-Mar 2024), Step 3: Training (Apr 2024), Step 4: Monitoring (May 2024 onwards)")
- **Visuals:** Diagram of the biogas plant and timeline of implementation.

Environmental Impact

- **CO2 Emission Reduction:** Amount of CO2 avoided (e.g., "50 tons of CO2 avoided annually")
- **Other Environmental Benefits:** Additional benefits with numbers (e.g., "Improved soil health with compost")
- **Quantitative Data:** Provide statistics (e.g., "Methane emissions reduced by 30%")

Social Impact

- **Beneficiaries:** Number and groups (e.g., "350 households, 200 students")
- **Examples of Benefits:** Specific benefits (e.g., "School uses biogas for cooking, benefiting 200 students")
- **Other Social Benefits:** Additional impacts (e.g., "10 jobs created for operating the biogas plant")
- **Visuals:** Photos of community using biogas, testimonials from beneficiaries

Impact on Governance

- **Burden Relieved on Panchayat:** Compare before and after (e.g., "Before: 2 tons landfilled daily. Now: 1 ton landfilled")
- **Financial savings** (e.g., "INR 1 lakh saved annually on waste management" / "1 ton of waste processed daily, 300 kg compost, 50 cubic meters biogas")
- **Specific savings** (e.g., "Households save INR 500 per month on cooking fuel")
- **Economic Benefits:** Additional benefits (e.g., "Compost sales generate INR 50,000 annually")
- **Visuals:** Bar chart showing cost savings, Before-and-after charts, photos of waste management before and after intervention

Collaboration and sustenance

- **Collaborations:** Details (e.g., "Collaborated with ABC NGO for training, DEF industry for equipment")
- **Outputs of Collaboration:** Results (e.g., "ABC NGO trained 20 local operators for biogas plant maintenance")
- **Sustenance Plan:** Future strategy for handing over and maintenance costs (e.g., "Local panchayat to take over with technical support from DEF industry. The bio gas plant would need two manpower t operate apart from occasional breakdown handling which adds up to 4 L per year. The biogas lant earns 2 L per year, the remaining 2L would be sourced from the panchayat funds from the savings in the existing management strategy")
- **Visuals:** Materials and pictures from training sessions, flowchart showing sustenance plan

Financial Overview

| S.No | Budget Head | Funds Sanctioned | Expenditure |
|-------|---|------------------|-------------|
| 1 | Site preparation cost | | |
| 2 | Equipment/ Machinery cost | | |
| 3 | Running cost/ Manpower cost/ Electricity cost | | |
| 4 | Miscellaneous Expenses | | |
| Total | | | |

Additional Funding: Other sources (e.g., "Additional grant: INR 50,000 from XYZ NGO")