



Poornam Ecovision

पूर्णमिदं

जानेवारी-फेब्रुवारी २०२६



Bimonthly Report

January and February 2026



eYantran (E-waste and Plastic Waste Management)

Total Centres	: 1000+
Number of donors	: 2500
Ongoing Weekly E-waste Collection Centers	: 37
E-waste Collection	: 20000 kg
Plastic Waste Collection	: 3300 kg
Door to door E-waste collection	: 877 kg

Paripoornam (Fabric Up-cycling)

Cloth Pickup	: 20
Cloth Collection	: 500+ kg
Number of bulk orders	: 7
Number of new product samples	: 5
No of promotional stalls	: 7

Volunteering Engagement

Corporate activities	: 8
College activities	: 2
General Volunteers engaged	: 1000+
Corporate engaged	: 300
College student engaged	: 500+

Green Consultancy

Running Composting Units	: 5
Running Rain Water Harvesting Units	: 11
Waste processed	: 921 kg/day
Rainwater conserved	: 30,46,467 Lit/annum
Total Compost Kit Delivered in Jan-Feb	: 130

Waste to Energy : Realizing the Potential of Energy Recovery

Waste-to-energy (WtE) refers to the process of generating energy in the form of electricity, heat, or fuel from waste materials. It is an important method for managing waste sustainably while also producing renewable energy. Instead of disposing waste in landfills, where it produces harmful greenhouse gases like methane, WtE technologies convert waste into useful energy through biochemical and thermochemical processes. This approach helps reduce environmental pollution and supports efficient resource utilization.

Waste as an Energy Source

Waste can serve as a valuable energy source because it contains both organic and combustible materials. Municipal solid waste, agricultural residues, industrial waste, sewage sludge, and animal manure are all potential sources of energy. These materials include biodegradable components that can produce biogas and other fuels, as well as combustible materials that can generate heat and electricity. Using waste as an energy source reduces dependence on fossil fuels and contributes to cleaner energy production.

Components of Waste Useful for Energy Production

The components of waste that are useful for energy production include combustible materials such as plastics, paper, cardboard, textiles, rubber, and wood, as well as biodegradable materials like food waste, agricultural residues, and animal manure. These components have either high calorific value or the ability to decompose biologically to produce energy. On the other hand, non-combustible materials such as metals, glass, and inert substances are not suitable for energy generation and are usually separated before processing.

Potential of Waste for Energy Production

Waste has significant potential as a renewable energy resource due to its abundance and continuous generation. Properly managed waste can produce electricity, heat, and fuels such as methane and synthetic fuels. Efficient segregation and processing can increase energy recovery, making waste a reliable supplementary energy source. This potential is particularly important for countries facing both energy shortages and waste management challenges.

Types of Waste-to-Energy Technologies

There are several types of waste-to-energy technologies, broadly classified into biochemical and thermochemical processes. Biochemical processes include biogas production through anaerobic digestion, where organic waste decomposes in the absence of oxygen to produce methane-rich gas and nutrient-rich digestate. Thermochemical processes include incineration, pyrolysis, and refuse-derived fuel (RDF). Incineration involves burning waste at high temperatures to produce heat and electricity while significantly reducing waste volume. Pyrolysis involves heating waste in the absence of oxygen to produce bio-oil, syngas, and char. RDF is produced by processing waste into a fuel with high calorific value, which can be used in industries such as cement plants and power generation.

Benefits of Waste-to-Energy

Waste-to-energy offers several benefits. Environmentally, it reduces the volume of waste sent to landfills and decreases methane emissions. It also helps control pollution caused by open dumping. From an energy perspective, it provides a renewable source of power and reduces reliance on fossil fuels. Economically, it creates employment opportunities and supports the development of a circular economy by converting waste into valuable resources. Additionally, it improves waste management efficiency by reducing the volume and toxicity of waste.

However, waste-to-energy also has certain disadvantages. The initial cost of setting up WtE plants is high, and technologies such as incineration can produce air pollutants if not properly controlled. It may also discourage recycling if recyclable materials are burned instead of being reused. Furthermore, the efficiency of WtE systems depends heavily on proper waste segregation, which is often lacking. In some cases, these systems can still contribute to greenhouse gas emissions if not managed effectively.

Indian Scenario of Waste-to-Energy

In India, waste-to-energy has gained attention as a solution to the growing waste management problem. Indian policy support for waste-to-energy (WtE) is driven by a combination of **renewable energy policies, waste management rules, and financial incentive schemes** introduced by the government. These policies aim to promote the conversion of waste into useful energy while addressing the country's growing waste management challenges. The country generates a large amount of municipal solid waste, but its composition, which includes high moisture content and low calorific value, poses challenges for energy recovery. Several WtE plants have been established, including those based on RDF and biomethanation. However, many projects have faced technical, and operational difficulties due to poor waste segregation and unsuitable waste characteristics. The future of waste-to-energy in India depends on improvements in waste management practices and technological advancements. Better segregation of waste at the source will enhance the efficiency of WtE systems. There is growing focus on biogas and biomethanation technologies, which are well suited to the organic nature of Indian waste. Hybrid systems that combine different technologies are also being explored. Decentralized WtE systems for small communities and rural areas are gaining importance. Additionally, government initiatives and policies promoting renewable energy and clean technologies are expected to support the growth of waste-to-energy in the country.

In conclusion, waste-to-energy is a promising approach for addressing both waste management and energy challenges. It provides a sustainable way to convert waste into useful energy while reducing environmental impact. However, its success depends on proper planning, efficient waste segregation, and technological innovation.

Ms. Anushka Kajbaje

Director,
Poornam Ecovision Foundation



SPECIAL EVENTS

Home Compost Kit Project

Through our Home Compost Kit Project, we continued promoting household-level waste management by distributing compost kits to 130 LIG and MIG families at a subsidized cost of ₹100. The initiative aims to encourage segregation and on-site processing of wet waste, reducing dependency on centralized waste systems. By making composting affordable and accessible, the project empowers households to convert kitchen waste into useful organic compost, contributing to cleaner surroundings and sustainable living practices.



Gruh Samvad Abhiyan

Under the Grah Samvad Abhiyan, we introduced an initiative to encourage the use of eco-friendly alternatives to single-use plastic bags. As part of this campaign, more than 1500 reusable sling bags are delivered. The initiative aims to promote sustainable habits at the community level by making reusable bags affordable and easily accessible. Through this effort, we are supporting plastic reduction while encouraging responsible consumer choices and collective environmental action.

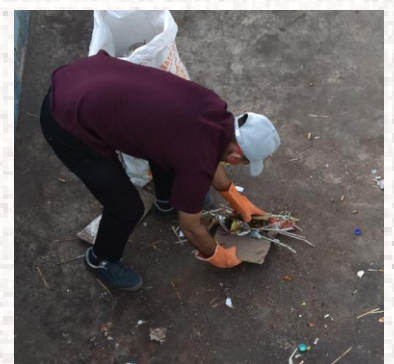
Parvati Hill Cleaning Drive

On 10th February 2026, 27 dedicated volunteers from CDAC participated in a cleanliness drive organized by PEF at Parvati Hill as part of their Swachhata Pakhawada initiative. The team actively cleaned public pathways, surrounding areas, and commonly littered spots, collecting various types of waste to restore the site's natural beauty. The activity not only contributed to maintaining the cleanliness of one of Pune's prominent heritage and tourist locations but also reinforced the importance of civic responsibility and community



River Ghat Cleaning Drive

Continuing their Swachhata Pakhawada efforts, on 11th February 2026, 22 volunteers from CDAC conducted a river ghat cleaning drive in collaboration with PEF at Siddheshwar-Vruddheshwar River Ghat. The volunteers focused on removing litter and waste accumulated along the riverbank and surrounding areas, helping improve the overall cleanliness of the site. The drive emphasized the critical need to protect natural water bodies from pollution and irresponsible waste disposal. By engaging in hands-on action, the participants raised awareness about maintaining hygiene around rivers and encouraged the community to adopt environmentally responsible practices to safeguard these vital ecosystems.



Corporate Kit Preparation Activities

During January and February 2026, several corporate partners actively contributed to our environmental initiatives through dedicated kit preparation drives. On 5th January 2026, 80 employees from Persistent (SB Road – Fergusson College Road office) prepared 280 E-Yantran kits, followed by another session on 6th January 2026 at their Hinjewadi office, where 30 employees assembled 200 E-Yantran kits. Continuing the momentum, on 8th January 2026, 30 employees from Herbinger at Baner prepared 200 E-Yantran kits, strengthening the campaign's outreach efforts. In February, KPIT employees participated enthusiastically in PEHEL kit preparation activities. On 11th February 2026, 54 employees prepared PEHEL kits, followed by another session on 16th February 2026 where 15 employees continued the effort.

On 29th January 2026, 30 employees from Persistent's Erandwane office contributed to preparing 200 compost kits for Green Consultancy, supporting decentralized waste management initiatives.





These collaborative activities not only ensured the timely preparation of kits for our various environmental drives but also reflected strong corporate engagement and collective commitment toward sustainability and responsible waste management.



PEHEL Plastic – School and College Plastic Collection Drive

Under the PEHEL-2026 initiative, plastic collection drives were conducted in over 190 schools and colleges across Dhule, Buldhana, Parbhani, and Sindhudurg in the month of January. The program engaged students, teachers, and campus staff in awareness sessions highlighting the harmful impact of plastic pollution and the importance of segregation. Collection activities were organized within campuses, encouraging responsible disposal and reduction of plastic use. About 3.5 tons of plastic was collected. The drive successfully mobilized youth participation and fostered a sense of environmental responsibility among young citizens.



PEHEL E-Waste Collection Drive



The PEHEL E-Waste initiative was carried out across Dhule, Buldhana, Parbhani, Sindhudurg, and Malvan on 22nd Feb 2026 to facilitate safe disposal of electronic waste at the district level. Dedicated collection points and awareness outreach efforts encouraged households and institutions to contribute outdated and



non-functional electronic items. More than 148 different types of establishments across four cities took part as collection centers & 1800 kg of e-waste was collected. The drive ensured that collected e-waste was directed toward authorized recycling channels, preventing unsafe disposal practices. Community engagement during the initiative reinforced the importance of proper e-waste management and strengthened local environmental action networks.

Fabric Product Stall – Symbiosis Institute of Design

On 21st and 22nd February 2026, Poornam Ecovision Foundation set up a Paripoornam's up-cycled product stall at the Symbiosis Institute of Design to promote sustainable alternatives to single-use materials. The stall featured a range of eco-friendly products including reusable cloth bags, sling bags, fabric folders, and other upcycled fabric items designed to encourage responsible consumption. Over the two days, we witnessed an average footfall of approximately 250–300 visitors per day, comprising students, faculty members, and campus visitors. The response was highly encouraging, with strong interest in reusable sling bags and cloth carry bags emerging as the top-selling products.



'Best Out of E-Waste 2026' Competition

The inter-school 'Best Out of E-Waste 2026' competition was successfully organized with great enthusiasm on February 21 at Pu La Deshpande Kala Academy. The event was jointly hosted by Pune Municipal Corporation, Cummins India Foundation, KPIT Technologies, Poornam Ecovision Foundation, and Janwani.

The exhibition was inaugurated by Dr. Ketaki Ghatge, Assistant Health Officer, Solid Waste Management Department. The event was graced by several distinguished guests, including Mrs. Avanti Kadam (CSR Expert, Cummins India Foundation), Mr. Tushar Juvekar (CSR Member, KPIT), Mr. Milind Mehetre (E-Waste Project Sponsor, Cummins India Foundation), Mrs. Anushka Kajbaje (Director, Poornam Ecovision Foundation), Mr. Ramesh Pandya (Director, Janwani), and Dr. Rajesh Manerikar (CEO, Poornam Ecovision Foundation).

The competition witnessed enthusiastic participation from 60 schools, with an impressive 367 innovative projects creatively developed using e-waste materials. The exhibition also attracted over 250 visitors from across Pune, reflecting strong community engagement and support. The initiative continues to promote awareness among young students about responsible e-waste management, recycling practices, and the importance of adopting environmentally sustainable habits from an early age. Through such collaborative efforts, the organizers reaffirm their commitment to building a greener and more environmentally conscious future.



e-Yantran 2026 Republic Day E-Waste Awareness & Collection Drive

The E-Yantran 2026 campaign, focused on promoting e-waste awareness and responsible collection, was successfully organized on the occasion of Republic Day, 26th January 2026, by Poornam Ecovision Foundation. The initiative aimed to encourage citizens to responsibly dispose of electronic waste while spreading awareness about the environmental and health hazards associated with improper e-waste disposal.

As part of the campaign, pre-collection awareness was conducted across schools, colleges, and corporate offices, enabling institutions to actively participate in the movement. The main collection drive was held on 26th January between 9:00 am and 1:00 pm at designated locations including shops, workplaces, and residential societies, ensuring maximum community accessibility and participation.

A total of 908 collection centers were set up across the city, where 3000+ donors enthusiastically contributed to the cause. The campaign successfully collected 18200 kg of e-waste, reflecting strong public response and growing awareness around responsible disposal practices. Additionally, 2000+ volunteers played a crucial role in coordinating logistics, managing collection points, and guiding participants throughout the drive.

As part of our commitment to sustainability and social impact, reparable laptops and computers from the collected e-waste will be refurbished and made usable for needy schools and students in rural areas. The remaining e-waste will be safely handed over to government-authorized recycling agencies to ensure scientific processing and environmentally sound disposal.



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**E-Waste
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