

Sustainable Energy Initiative: 45 Cubic Meter Biogas Plant in Belwania Village, Koraon, Prayagraj Under the Swachh Bharat Mission (Rural), a 45 cubic meter biogas plant has been constructed in Belwania village, Block Koraon, Prayagraj, at a cost of ₹24 lakh. This plant has been set up in gaushala where more than 800 cattle are there, making efficient use of cattle waste to generate clean energy. One of the most significant benefits of this biogas plant is its ability to generate 5 kilowatts of electricity, which is used to power all the lights in the gaushala. This ensures continuous illumination, improving the overall functionality, security, and well-being of the animals and workers. The uninterrupted power supply has not only reduced dependency on conventional electricity but has also brought sustainability and cost savings to the operation. Additionally, the organic slurry produced as a byproduct is being processed into vermicompost, promoting eco-friendly agricultural practices. To ensure the smooth functioning of the plant, dedicated manpower has been appointed for regular monitoring and maintenance of the biogas plant and generator.

This initiative stands as a model of sustainable energy and waste management, transforming cattle waste into a valuable source of renewable energy. It highlights the importance of biogas technology in rural areas, reducing carbon footprints, lowering operational costs, and fostering environmental sustainability.