

## **Report on Visit to Biogas Plant at Government Primary School Denoda Village, near Jaypee University Campus**

**Date of Visit: 13th Jan, 2025**

In December 2016, the Department of Biotechnology & Bioinformatics, Jaypee University of Information Technology installed a Biogas plant at the Government Primary School in Deonda of district Solan. This is located near our University campus. The project was sponsored by HIMCOSTE and Prof. Sudhir Kumar, Prof. Ashish Kumar were Project investigators. The biogas plant serves as a vital resource for the school, converting leftover food waste of school kitchen organic waste into clean, renewable energy i.e., biogas. This initiative not only aids in waste management but also provides an educational platform for students and the community to learn about the importance of renewable energy and sustainable practices.

### **Purpose of Visit:**

To assess the condition of the biogas plant located at Doenda village, feeding status, to evaluate its operational status, and identify any maintenance or improvement needs, our Lab. Engineer Ismail Siddiqui visited the plant with biogas plant worker Ankush.

### **Observations:**

Upon inspection, the biogas plant was found to be operational and functioning effectively. The anaerobic digestion process was ongoing, and the plant was actively producing biogas.

The overall structure of the biogas plant is in good condition, with no significant signs of wear or damage observed. The tanks and pipelines appear to be intact and free from leaks. While the functional components of the biogas plant are working well, there is a noticeable need for maintenance in terms of aesthetic and protective measures. The plant requires repainting to protect it from environmental wear and to enhance its appearance.

