

## **Distillery wastes fuel waste-to-energy plant**

A 2.7 MW biogas-based power plant has been commissioned in Madhya Pradesh, India. Set up with financial support from the Ministry of Non-conventional Energy Sources under the Energy Recovery from Urban, Municipal, and Industrial Wastes programme, the power plant utilizes about 28,000 m<sup>3</sup>/d of biogas produced by Som Distilleries. The 2.7 MW dual-fuel engine uses up to 5 per cent diesel oil for pilot ignition. Before biogas enters the power plant, it is cleaned in a H<sub>2</sub>S scrubbing plant with an advanced biotechnological method based on biological oxidation of sulphide into elemental sulphur. The power plant cost is expected to be recovered within five years.

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