

Gawliwada Maharashtra

19.44933, 78.10352

Mulshi Block

Pune District

14 Households. 90 Population.

Date of Commissioning February 2017

Biogas Cooking Grid



Case

Located atop of a hill, Gawliwada has beautiful views all around. Gawliwada does not however have a pukka road going all the way up to the village. The final approach to the village is often made on foot or only possible on a two wheeler. Locals earned their income through dairy and one time farming. Almost 70% of households relied on firewood to meet their cooking needs.

Technical Specifications

Biogas Plant - Water Jacket with Balloon

Capacity - 20m³

Feed capacity – 600 kg/day

Distribution line – 0.6km

Cattle population – 250



Solution

A pump runs the feed for the biogas plant to a mixing tank, where it is mixed with water before it enters the digester. Gas produced is scrubbed to remove harmful hydrogen sulphide, after which it is regulated and boosted to every household. Each consumer is provided with the gas flow meter. The tariff is set for usage of bio-gas. The local energy committee, namely Kalbhairav Oorja Samiti, collects the amount for monthly usage, which is used for operation and maintenance of the plant.

Project Completed by Gram Oorja Solutions
Project Supported by Millennium Alliance





Gawliwada



Dairy Farming



Construction of Biogas Plant



Scrubber in control room



Millennium Alliance Award



Earlier Cooking Techniques

Project Completed by Gram Oorja Solutions
Project Supported by Millennium Alliance

