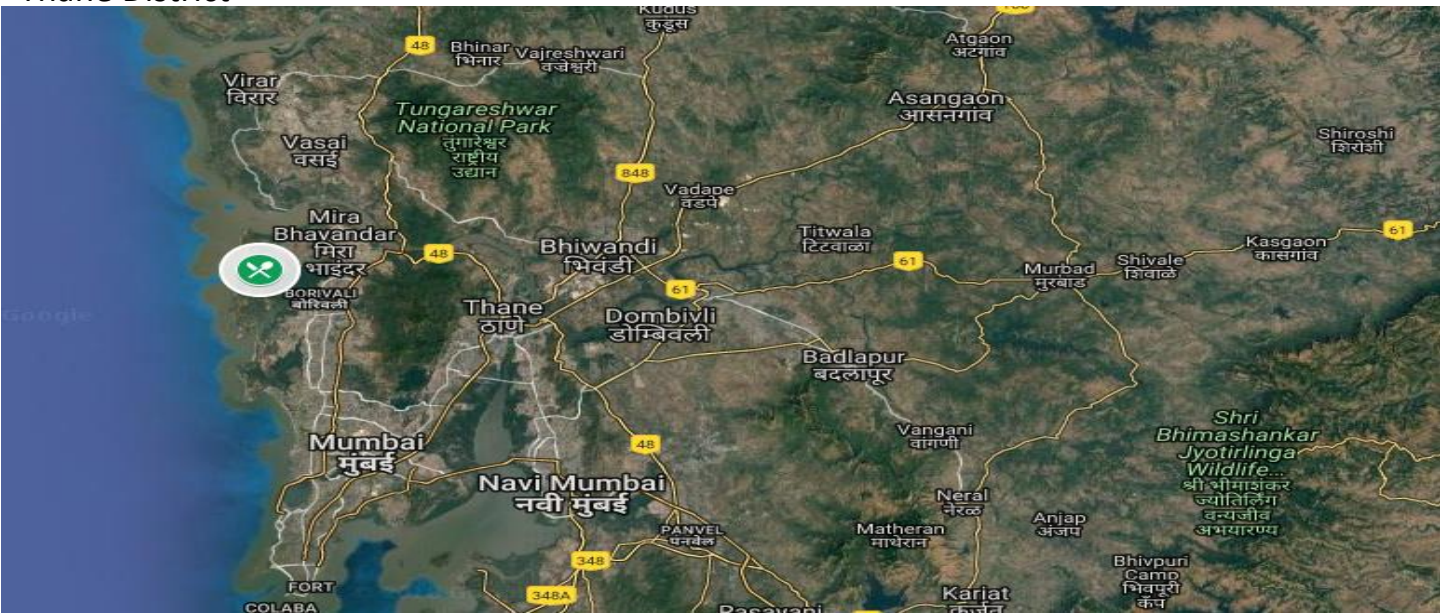


Keshav Srushti, Bhayander

19°16'6.06"N, 72°47'54.24"E
Uttan, Bhayander
Thane District

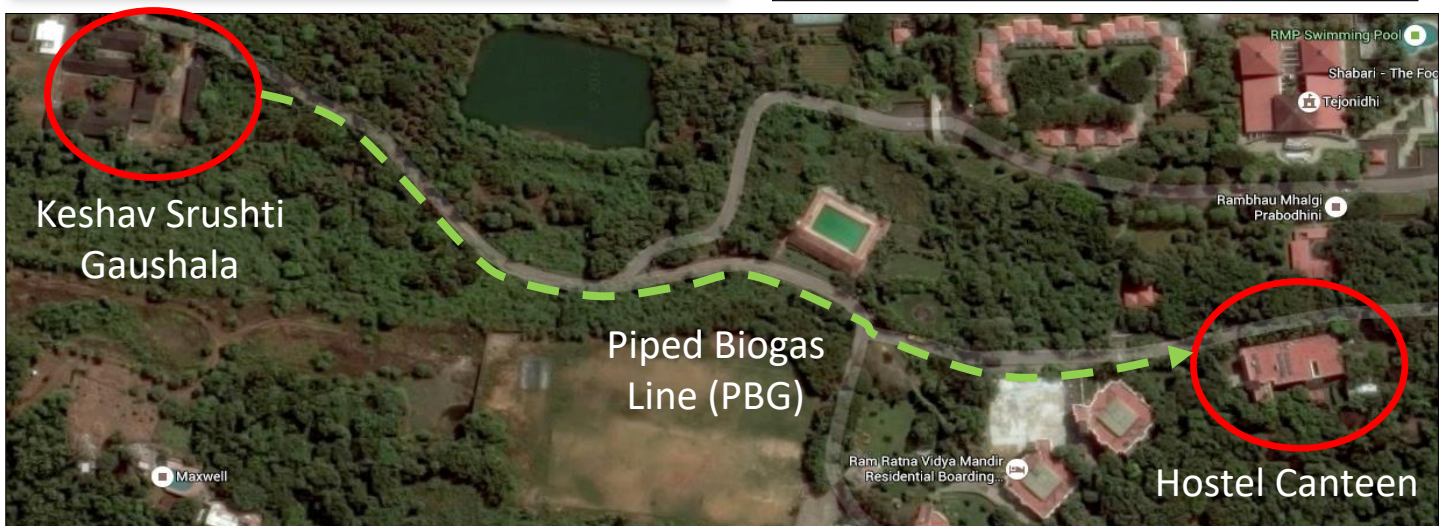
Date of Commissioning: Oct 2015
Biogas Cooking Grid



Biogas plant was erected at Gaushala i.e. a cowshed at Uttan, Bhayander. The generated gas at gaushala is transported through a pipe line to canteen of Ram Ratan Vidya Mandir school located 750 meter away from the biogas plant.

Technical Specifications

Biogas Plant – Digester covered with balloon
Capacity - 80m³
Feed – 2 ton of cattle manure
Distribution line – 750 m
Use – For cooking in hostel canteen replacing LPG to some extent



Pipeline distribution

Project Completed by Gram Oorja Solutions





Biogas Burner



Flow meter



H₂S Scrubber & Pressure Regulating System



Biogas Plant

Biogas Flow Diagram



Gaushala



Flow meter



Commercial biogas burner



Cooking on biogas burner at Canteen

Three commercial biogas burners are used at canteen of school. Daily 40-50 cubic meter of biogas is used for cooking breakfast and lunch for nearly 600 students. The biogas used at canteen replaces nearly 400 commercial cylinder per year.