

Swiss Agency for Development and Cooperation SDC





Bio-Methanation Plant and Scaling Up of the Project

1.5 TPD waste to bio-methanation plant (CapaCITIES Phase 1)





INR 4.7 million

Waste Feed

1.5 TPD



Gas Production

165 m³ Biogas per day (107 m³ of methane) 60,225 m³ Biogas per year (39,055 m³ of methane)



Electricity Production

7 kWh / day (2,555 kWh/year)



Avoided Vehicle Trips to Vellalore Dump

2 trips / day (730 trips/year)



Fuel consumption avoided

6 liters per day (2,190 liters/year)



GHG emissions avoided due to reduced vehicle trips

5.96 tCO₂e / year



Quantum of waste prevented from being dumped at Vellalore

547 tonnes/year



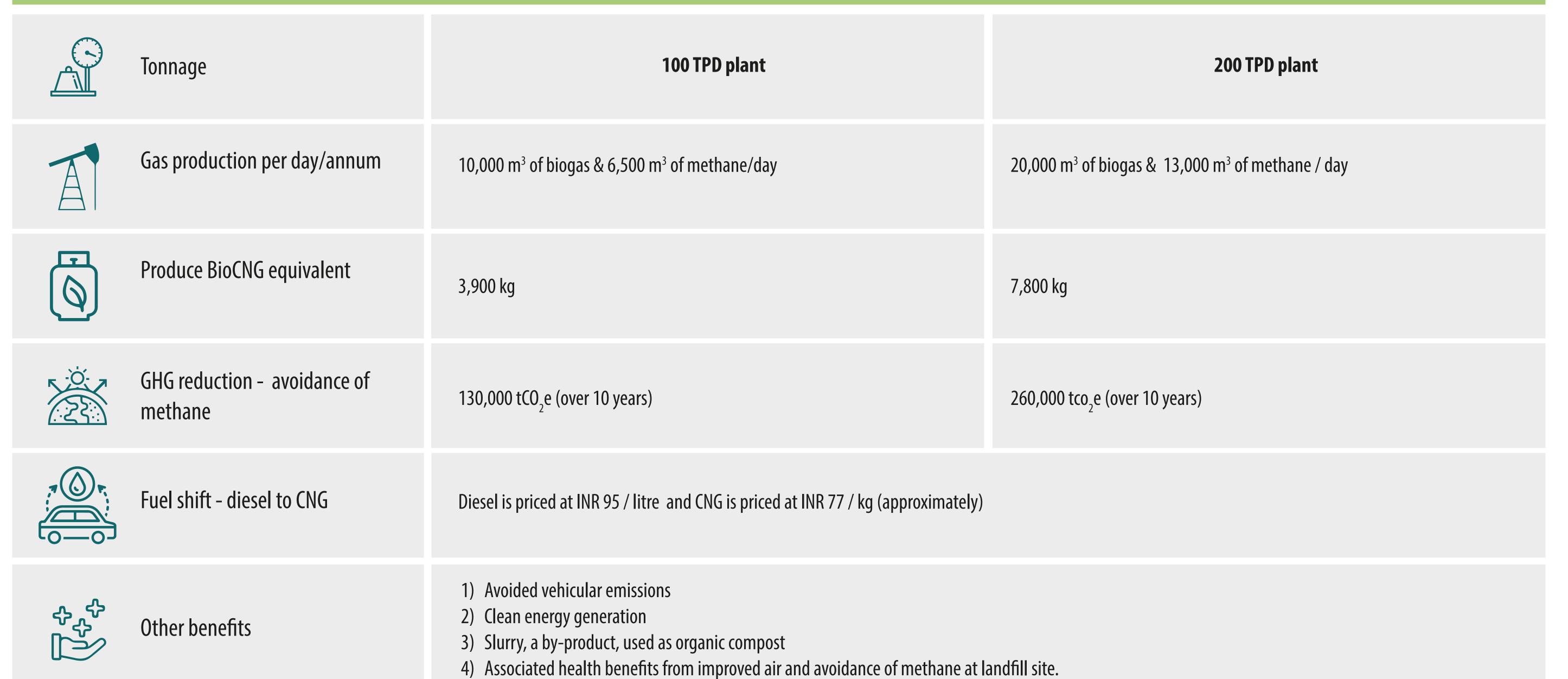
GHG emissions avoided due to diversion of biodegradable waste from Vellalore to biomethanation plant

1,505 tCO₂e / year

1.5 TPD waste to bio-methanation plant



200 TPD waste to bio-CNG plant (Replication)



Proposed site for Waste to Bio-CNG plant at Vellalore Compost Yard





Implementing Partners

Knowledge Partner





Research / Consulting / Evaluation

