

## Green, Clean Energy

Located in the sunny tourist area of Negombo, Jetwing Blue is just one of the five hotels located in the area. The hotel chain complete with 26 hotels and villas across the country recently opened its latest hotel in Jaffna.



With 120 rooms and a dedicated land area for renewable energy operations situated right across the hotel (landside), the addition of the 70m<sup>3</sup> biogas unit came as no surprise.

Constructed with the primary intention of managing waste, the hotel uses the bio-slurry for the two-acre large organic garden. Jetwing Blue's engineer reveals that the daily kitchen and toilet waste generation amounting to approximately 500 kgs.



Biomass boiler

The unit produces nearly 40m<sup>3</sup> of gas per day. While 15-20% of the gas is used for the staff kitchen, the remaining gas is pumped to the biomass boiler, saving almost 400kg of wood a day. The total

- **Type of stakeholder:** Hotel
- **Type of unit:** Sri Lak Umaga
- **Size of unit:** 70m<sup>3</sup>
- **Waste type:** Kitchen and toilet
- **Constructor:** Eco-tech base
- **Slurry use:** Organic garden
- **Total investment:** LKR 3,000,000

energy cost savings of the hotel amounts to approximately 3% while the return on investment being three years.

Documented in between October 2015 – January 2016