

Story of Sisira Kumara

Mr Sisira Kumara, fending for a family of three, once contacted a particular biogas supplier to have a unit constructed at his household. Having been made aware of the benefits of biogas as well as the importance of having an alternative source of energy the 2.5 m³ sized biogas unit took three days to construct and a week after, he was able to use it as an alternative to LPG in the kitchen. Requiring 7-10 kg* of food and garden waste, prior to biogas, his household replaced gas cylinders monthly and today 90% of meal-preparation is done atop a biogas-powered stove. The organic bio-slurry produced is used for the family's acre-wide farmland as a substitute to chemical fertiliser that has also resulted in a higher harvest this season.

*4l paint bucket = 4 kgs of waste

No More Septic Tanks

Another well known biogas supplier in the country encourages his customers building new houses to ensure that they have a biogas unit to manage toilet and kitchen as opposed to a septic or sewage tank. He believes that an 8m³ unit that takes five days of construction and 1½ weeks to activate, becomes a multi-solution provider for households with 3-5 members in both managing waste and curbing the rising cost of LPG and electricity. Having recovered the investment within a year, certain households have been able to rely solely on biogas for cooking and culinary activities.

No Space; then Compact Units

With an approximate 14-month return on investment for biogas units starting at LKR 50000, this supplier has made units available for purchase over the counter. A 3-4 member family is able to find a solution to waste management concerns, alternative cooking fuel and organic fertiliser that now allows them to grow their own fruits and vegetables thereby increasing the family's self-sufficiency. This particular supplier is also of the belief that while all households in the island should have a biogas unit in their compound to meet waste management and energy concerns, the family should also inculcate a tendency towards making the biogas unit an integral part of their family unit.

Frequently Asked Questions

1.I have a very small family / limited garden space. Can I still have a bio-digester installed?

Yes you can! There are bio digesters that accommodate both small families and small gardens. For example the LDPE-500L unit requires only 2-4 kgs of food waste to produce 4 LPG kgs equivalent of biogas per month. There are also smaller units that take up only about 15sq ft in space.

2.The initial cost is too large a one-time expenditure. What do I do?

There are a few banks that will offer loans to construct bio-digesters.

3.How do I install a bio-digester to my existing premises?

Call any of our listed service providers and give them your requirement. They will advise you on the specifications.

Our goal is to see as many households in SL equipped with a biogas unit. The project, an EU funded SWITCH-Asia initiative is a joint partnership between People in Need, Cz and local partner Janathakshan. For questions or clarifications we are more than happy to help. Our contact details for more information is as follows:

biogas.lanka@gmail.com
+94766371450
www.lankabiogas.com

The EU SWITCH-Asia initiative is a joint partnership between People in Need, Cz. and local partner Janathakshan funded, by the European Union.



Project is funded by the European Union

switchasia
NETWORK FACILITY



BIOGAS

• RENEWABLE • SUSTAINABLE • AFFORDABLE

Do you have any of these problems?

- Inefficient waste disposal/ management by local authorities
- Costly expenditure and/or on firewood or liquid petroleum gas
- Lack of organic fertiliser for your home garden
- High electricity bills

If you do, we have the solution you've been looking for!

Biogas, produced through bio-digesters installed at your home can be used for cooking and can power electricity in your household.

Feed your bio-digester with :



Animal Waste



Human Waste



Garden Waste



Food Waste

and enjoy a range of benefits!



Alternative Energy



Waste Management



Organic bio-slurry for your home garden

Which type of bio-digester is right for me?

Type of Digester	Ideal For	Cost (LKR)
LDPE Floating Dome [Size: 0.5-1.0m ³]	• For smaller families and households with small spaces. Maximum waste capacity is 8kg a day	50000-68000
Sri Lak Umaga [Size: 2.5-4.5m ³]	• Requires 2-25kgs of solid degradable waste from garden, kitchen and sewage	120000-180000
Chinese Fixed Dome [Size: 2.5-6.0m ³]	• Ideal for households to connect sewage waste or for house hold with livestock waste of 25-30kg a day	80000-150000

How long does it take to build a bio-digester?*

01 Day	For a 500l LPDE digester
04 Days	For a 2.5 Sri Lak Umaga digester
10 Days	For a toilet-connected Chinese fixed dome digester

* subject to variation

Choose your service provider

Company/ Institution	Area	Contact No
Arpico Green Gas	Island wide	0773510546
Echo tech Base	Island wide	0777134474
Green Engineering	Central Province	0718194879
Helawagaa	Northwestern/ Western province	0713027720
Helpo Eco Green	Island wide	(091) 2226818
Isuru Bio Constructors	Northwestern/ North central province	0714432112/ 0712607189
Srimal Tissera	Island wide	0775976087
T Jayarathne	Southern Province	0725663733
St Mary Construction	North Western/ Central province	0777567066

Did you know?

Banks and micro finance institutions have recognised the value of biogas and now offer loans schemes.

Why should you have a bio-digester in your household?

1. It's cost-effective in the long run;
2. Removes dependency on Municipal waste removal;
3. Produces organic fertiliser for home gardening;
4. Green-living and eco-friendly lifestyles are socially approved.