

Our Implementation Partners (SNV & Winrock), have knowledge, experience and a proven track record of constructing hundreds & thousands of this type of biogas plants in various countries i.e Nepal, Bagladesh, Laos, Cambodia & Vietnam at a success rate of 95%.

### Our Product

We offer 5 different sizes of plants:

Plant Sizes	Daily Required Qty.		Gas Production [M3/day]
	Dung	Water	
4m <sup>3</sup>	30kg	30Lit.	3-4 Hours
6m <sup>3</sup>	45kg	45Lit.	5-6 Hours
8m <sup>3</sup>	60kg	60Lit.	6-8 Hours
10m <sup>3</sup>	75kg	75Lit.	8-10 Hours
15m <sup>3</sup>	113kg	113Lit.	13-15 Hours

### Commitment to Quality

- 4 years guarantee of the Plant.
- 1 Year guarantee on appliances.
- Operation & Maintenance Training to users / Owners.
- After Sales Services.
- Certified Company & Masons used.

For more information,  
Please feel free to contact us:

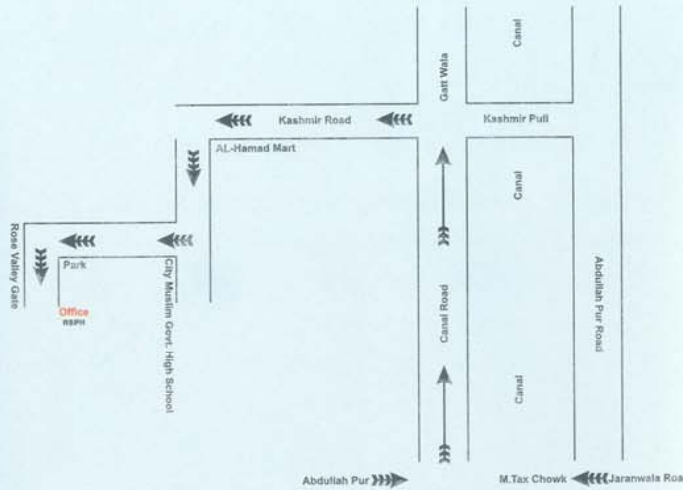
**Rural Support Programmes Network  
Pakistan Domestic Biogas Programme**

Plot-15, Rose Valley  
Amin Town, Faisalabad.

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## PDBP Office Map



### Pakistan Domestic Biogas Programme

Plot-15, Rose Valley

Amin Town, Faisalabad.

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Head Office:

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**Pakistan Domestic Biogas Programme  
Rural Support Programmes Network**

## Rural Support Programmes Network

RSPN was registered in 2001 under Pakistan's Companies Ordinance (1984) as a non-profit company by the Rural Support Programmes (RSPs) of Pakistan. RSPN is a



network of eleven RSPs. Currently the RSPs have a presence in 103 of the country's 138 districts and 2 Fata Agencies, stretching from the mountainous north to the central plains and down to the southern coastline. The RSPs collectively worked with a rural membership of community organizations of 2.13 million rural households.

**Pakistan Domestic Biogas Programme** Rural Support Programmes Network (RSPN) has launched a market oriented Pakistan Domestic Biogas Programme, started with a pilot phase in Faisalabad & now working in eight districts of central Punjab & will gradually expand to cover the whole province. This programme aims to improve the livelihoods and quality of life of the rural farmers in Pakistan through exploring the market and non-market benefits of domestic biogas.

**What is Biogas?** Bio-gas typically refers to a gas produced by the biological breakdown of organic matter in the absence of oxygen. Biogas originates from biogenic material and is a type of biofuel. The best source of

biogas is animal manure especially of buffaloes, cattle & sheep.



### Benefits of Biogas: Production of energy (heat, light, electricity):

Biogas use, replacing conventional fuels like kerosene, dung cakes, firewood, allows for the conservation of environment. Biogas has the ability to substitute almost the complete consumption of firewood in rural households.



**High Quality Fertilizer:** The slurry which comes out of biogas plant is very rich in Nitrogen and also contains Potassium & Phosphorus. Thus it can help reduce the use of chemical Nitrogen Fertilizer (Urea). It also contains lot of other nutrients which can enrich soil & ensure healthy crops. Slurry can also be used in chicken and fish feed due to its nutritional value.



**Health benefits of Biogas:** Biogas can have significant health benefits like reduction in respiratory illness, eye infection, asthma and lung problems. There is an evidence that such health risks have decreased after installing a biogas plant.



**Reduction of workload:** According to a research women spend up to 2-4 hours for searching wood and making dung cakes per day.

Once a Biogas plant is installed, women will have spare time for themselves and their children.



**Environmental Benefits:** Annually, each biogas plant can save more than 3.5 tons of firewood and 32 liters of kerosene thus deforestation can be reduced which will lead to a better & healthy environment. Saving of kerosene oil & LPG reduces use of non-renewable energy sources. Also the household can get rid of the heavy smoke produced especially from burning dung cakes.



**Financial Benefits:** Normal rates of fuel wood are Rs. 250 to 300 per 40 kg. By installing a Biogas plant, a household can save Rs. 25,000 to Rs. 30,000 per year. In the same way normal rate of LPG cylinder is Rs. 800 to Rs. 900 and thus by installing a biogas plant Rs. 19,200 to Rs. 21,600 can be saved annually. This money can be invested for various household economic activities.



**Our Technology** A number of designs have been developed for biogas. In Pakistani conditions the Fixed dome design has been assessed to be the most appropriate.

