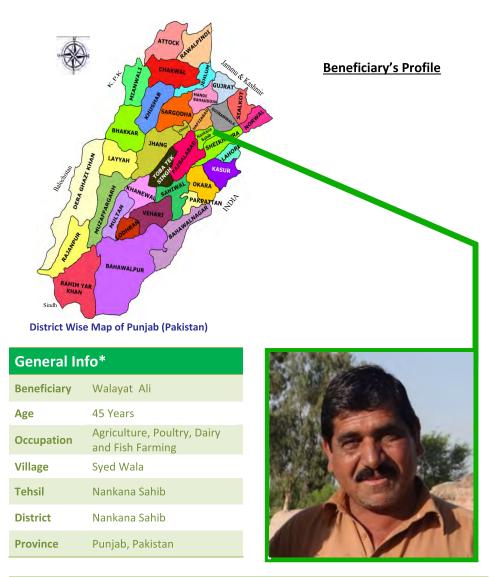
Multiple Benefits of Biogas



Biogas Plant Info*				
Sr No.	Туре	Size	Date of Construction	Plant I.D
Plant # 1	GGC	25m ³	10-11-2013	NKN-P000081

Walayat Ali from Village Syed Wala, Nankana Sahib, is a 45 years old farmer who is using biogas up to full potential. He is a successful and prospered farmer cultivating 124 acres of agricultural farms, having 18 acres of fish farms, 45 cattle dairy and a poultry farm. He is a responsible person having dependency of 30 people including his own family and servants. Although he was living in a good standard of life but was concerned about the shortage of electricity and gas, because this shortage hindered his entire farming and domestic chorus of his family and servants.



Walayat Ali Standing in his Dairy Farm

The irrigation cost was getting higher because of expensive diesel that was used to run the peter engine. The fish-feed and fertilizers for crops were also getting expensive day by day. And above all his family was suffering with smoke-induced dieses because of wood and dung-cakes burning.

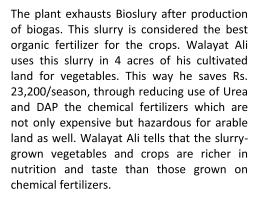
As he was a responsible person for a big family, he started finding alternate solutions to mitigate all those issues. He thought to solve the issues one by one and gave priority to eliminate the smoke-induced diseases by providing an alternate fuel in the kitchen. He had heard about biogas and approached Rana Qadeer Ahmed Biogas Construction Company that was providing biogas plant construction services under PDBP. He shared problem with Rana Qadeer Ahmed who gave him orientation on the PDBP and advised one solution to all of Walayat Ali's problems. Rana Qadeer actually advised him to construct a 25m³ biogas plant, which was the biggest in size that PDBP was constructing that time. Walayat Ali got surprised and excited to hear that all of his issues would be resolved through construction of a biogas plant. So he prompted constructing the plant and finally constructed a 25m³ biogas plant in October 2013 in the center of his house and agricultural farms. Since that day Walayat Ali, his entire family and servants are enjoying the various benefits of biogas plant. His servant daily feed the plant with animal dung that digests in the plant and produces biogas. Detailing the benefits of the biogas plant Walayat Ali says that he is very happy and thankful to PDBP for provision of such a benefiting thing to his family.

The major use of biogas by Walayat Ali is, using biogas to run a 30 Horsepower Peter Engine for tubewell to irrigate his 124 acres land. Walayat Ali details that he is using the biogas instead of expensive diesel to run the peter engine. He runs the tubewell 6 hours a day, while it needs 18 liters of diesel for the six hours to run. That costs Rs. 2052/- a day. But using biogas in the engine reduces the cost up to 66% that saves Rs. 40,629/- a month.



Walayat Ali Using Biogas to run Peter Engine for Irrigation of Crops

As kitchen fueling was the primary objective of constructing the biogas plant, Walayat Ali's family and servants who are using the biogas in their kitchen, say that now they are safe from smoke-induced dieses, unhygienic kitchen surrounding and soot in the air and on pots. The hardships of wood cutting and dung-cakes making have also vanished away. The females in the house are very comfortable in working in the kitchen. They save their time with using the ready-fuel available all the time. They spend the spare time with their children and complete the entire domestic chorus in time. The health of entire family has improved with elimination of soot that made them sick. The environment in the kitchen is now neat and clean. The pots are also neat and clean because there is no more black soot left on them. The gas produced in the kitchen is being used in 3 kitchens for around 30 people but that never finishes because the plant produces it on regular basis. The females feel themselves the luckiest one in the village having such comforting facility in their house.







Biogas Being Used in Kitchens of Walayat Ali



Waheed (Walayat's Son) plucking the Bioslury-grown Vegetable

Walayat Ali shares that he has experimented using biogas to run the electricity generator and will install a new generator near his dairy farms and home to produce electricity regularly. He has experimented using slurry as fish feed in his fish farms and got matchless results, so he is constructing a new biogas plant of 20m³ at his fish farm for the proper and regular use of Bioslury as a fish feed. He believes that it would reduce the cost of fish feeds up to a visible amount that he uses to buy from the market.



A new 20m3 Biogas Plant under Construction at Walayat's Fish Farms

Walayat Ali says that the provision of biogas has changed his entire life. All members of his family and servants are happy and living a facilitated life. The family is healthier as they are using fresh and full of nutrition foods from their farms. His elder son Waheed in 8th class and the younger Zain is studying in 2nd class. Walayat Ali says that the provision has benefited his life in all social, economic, and physical aspects. He appreciates BCC, PDBP and RSPN for their facilitation to the rural community. He encourages and motivates other farmer to have this opportunity too.



Walayat Ali Standing in his Farm with his Sons Waheed and Zain