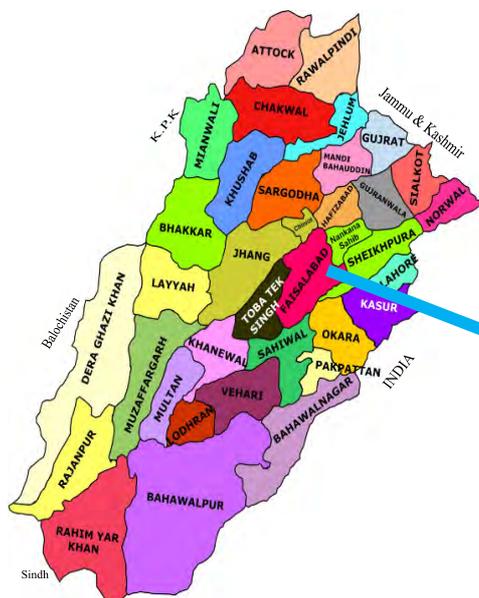


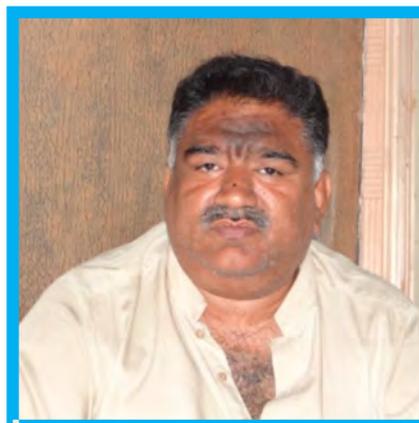
Bioslurry Increasing Growth in Fisheries



Beneficiary's Profile

District Wise Map of Punjab (Pakistan)

General Info*	
Beneficiary	Syed Shahid Ali
Ages	46 years
Occupation	Fish Farming
Village	25-JB, Chak Jhumra
Tehsil	Faisalabad
District	Faisalabad
Province	Punjab, Pakistan



Biogas Plant Info*				
Sr.	Type	Size	Date of Construction	Plant I.D
1.	GGC	25m ³	08-03-2013	FSD-P000439
2.	GGC	25m ³	03-05-2014	FSD-P000679

46 years old Syed Shahid Ali is one of the progressive Fish Farmers and Fish Feed makers from 25-JB Faisalabad. Initially he had been having only one business that of fish feed making but he expended his business and established fish farms. He owns 16.5 acres of fish farms and generates good revenues from both of the businesses. His products are not only famous in the local markets of Faisalabad but he is distributing the fish and fish feed to other districts as well. Syed Shahid Ali here tells a brief story how he got a turning point that led him to a prospered and peaceful life.



Shahid Ali's Fish Farms Ranging 16.5 Acers in 25-JB, Faisalabad

When Syed Shahid Ali decided to expend his business to fish farms, he installed a 30HP Peter Engine on the tub-well to water the ponds. The peter engine was run on diesel but the raising prices of diesel tensed him as it was getting unaffordable to water the ponds with such expensive fuel. Syed Shahid was worried for that. Someone advised him to use LPG gas instead of the diesel. He brought cylinder-filled LPG and experimented to run the peter engine on the LPG. He observed that the cost of this way watering was similar to the diesel usage. So the issue remained unsolved.



Non-Functional Peter Engine once experimented to run on LPG

Syed Shahid Ali went on a quest to find out a solution to decrease the watering cost in the fish ponds. His quest finally reached to a successful end during March 2013 when he saw an advertisement in the newspaper depicting PDBP as a biogas facilitator for alternate energy solutions to domestic women and farmers in the 12 district of central Punjab. Syed Shahid Ali found a light of hope and approached PDBP. PDBP facilitated him in construction of a 25m³ Biogas Plant on subsidized rate with a 4 year after sale service guarantee. Syed Shahid Ali was very happy with this provision and started benefiting from the biogas plant installed on his fish farms.



2 Biogas Plants Sizing 25m³ each at Shahid Ali's Fish Farms

The primary purpose to install the biogas was to use biogas to run peter engine for watering the fish ponds. So Syed Shahid Ali installed a new 25HP peter engine and experienced watering the ponds on a very low price as just as free. He used to fill the biogas plant with animal dung, the dung used to decompose and release the methane gas that was used to put in the engine through a pipeline. According to Syed Shahid Ali, watering on such a low price is impacting very positive and increasing the revenues from the Fish farming. He tells that it needs to run the peter engine 7 hours a day that would cost PKRs. 768/- a day but with biogas it takes only 35% of diesel to support running the engine while rest of the running is on biogas that saves PKRs. 14976/ per month.



25 HP Peter Engine Run on Biogas on Shahid Ali's Fish Farms

After production of the methane gas the biogas plant automatically exhausts slurry. The slurry was channeled to a pond as organic fish feed as an experiment by Syed Shahid Ali. He observed that that very pond produced more fish than the other ponds with factory made fish feed. So Syed Shahid Ali decided to use this slurry regularly to have more production. But the amount of that slurry was not enough to feed the all ponds in the farm. So he planned to construct another biogas plant to have more slurry for feeding the other ponds as well. In May 2014 he approached PDBP again and constructed another biogas plant sizing 25m³. This time he availed PKRs. 40,000/- as subsidy from PDBP and got this new plant just in PKRs. 130,000/- instead of PKRs. 170,000/-.



Initial Feeding in the newly constructed 25m³ Biogas Plant

Syed Shahid Ali has channeled the Bioslurry of both plants to all ponds through the watering canals. All 16.5 acres of fish farms are having this organic feed as 25% mixed with the factory made feed. He shares that total feed in six months costs PKRs.17,98,500/ in 16.5 acres, and the estimated Bioslurry contribution and saving is PKRs. 412,500/ in the six months. He details that the production of fish has significantly increased and the fish is healthier and full of taste and nutrition as compared to the previous productions.



Bioslurry channeled to Fish Farms as a Fish Feed

The total benefits of the biogas plants including savings from running peter engine and using slurry as fish feed annually gives a saving up to PKRs. 10,04,712/. And the enhanced production in the farms is increasing revenues apart. All these benefits have nourished Syed Shahid Ali's life and he as a head of a 7 member family is living happily in the city area in Faisalabad.

