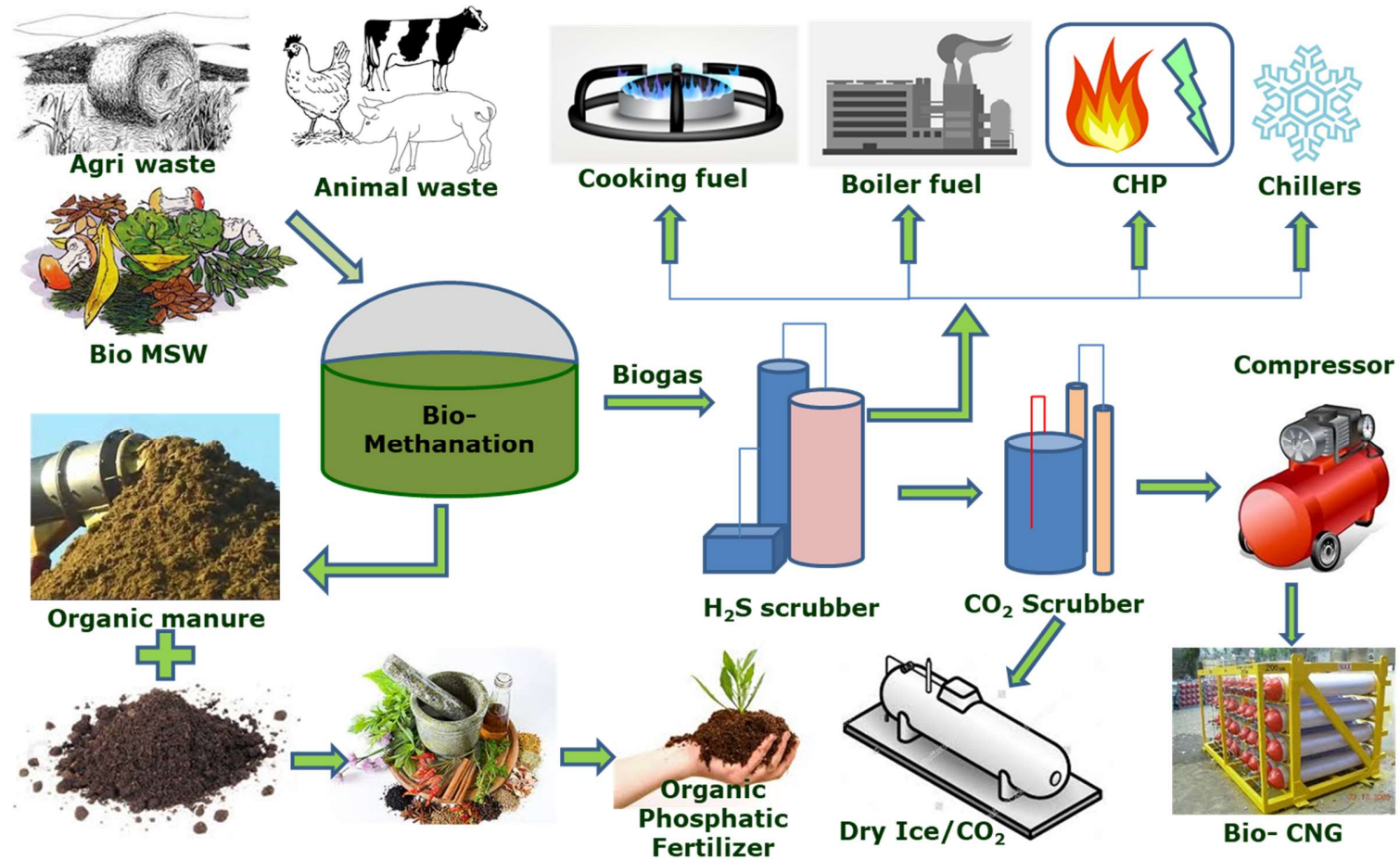


## BioEnergy-

### Process Flow and possibilities





## Ready reckoner of Biogas plant

Kitchen Waste (kg)	Biogas per Day (m <sup>3</sup> )	LPG replacement(kg /day)	Manure (kg/day)	PROM (kg/day)
500	40	16	18	N.V.
1,000	80	32	36	N.V.
1,500	120	48	54	N.V.
2,000	160	64	72	N.V.
3,000	240	96	108	130
4,000	320	128	144	175
5,000	400	160	180	220

## Experience –

Shirish Ganu has been working in the field of Biogas since 2008 while been associated with Kirloskar Integrated Technologies Ltd (KITL). Personally has an experience to design, project manage, construct and operate Biogas plants from domestic 2 m3 size to commercial utility scale 1 MW plant (12,000 m3 of biogas)

Together working with Inora Grenesynt has till date established waste management plants at

- 450+ Housing societies
- 11 Industries Including Mercedes Benz, TCS, Poonawala stud farms, Infosys etc.
- 45+ Public and other institutions
- Organic waste management of 14 villages

Since incorporation of Grenesynt, a 4 MT industrial waste to Electricity plant is under operation and Maintenance. The plant is originally designed and Constructed by Shirish Ganu while working for KITL. In individual capacity, Shirish Ganu has designed and installed following plants.



## List of Projects:

Sr no	Project	Feed	Total capacity	Biogas	Power Installation	Power Generation	LPG Replacement
			Ton/day	m3/day	kW	kWh/day	kg/day
1	Patanjali Ayurved Ltd	Fruit and herbal waste	120	8000	800	16000	
2	GIZ Korba	de-oiled cake	4	740	140	1110	
3	Swami Samartha Annachhatra	Kitchen waste	0.5	40			16
4	GIZ Kolwan	Napier grass	8	400	40	600	
5	GIZ Nanegaon	Napier grass	8	400	40	600	
6	KOEL Kagal	Kitchen waste	0.5	40			16
7	PMC- Dhanori	MSW/Hotel waste	5	400	40	600	
8	PMC - Taljai	MSW/Hotel waste	10	800	80	1200	
9	Anandwan	Cow dung+ kitchen waste	10	450			180
10	Sampoorna Agro ventures Pvt Ltd	Paddy straw	40	12000	1200	26400	
11	Toyota Kirloskar Motors Pvt Ltd	Kitchen waste	1.5	150			60
12	Baramati Municipal council	MSW/Hotel waste	5	400	40	600	
13	Tasty bite eatables Limited	Food process waste	4	1200	80	2160	
14	Sanjeevani-2 m3 household biogas plants- 120	Cowdung/kitchen waste	4.8	240			96
	<b>Total</b>		<b>221.3</b>	<b>25260</b>	<b>2460</b>	<b>49270</b>	<b>368</b>

## Contact :

### Grenesynt

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