



Fecal Sludge Management with the help of Biogas plants

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**BIG CHANGE
IS POSSIBLE**

CHALLENGE ON THE GROUND

- Water contamination
- Mosquito breeding
- Dumping of raw faecal sludge
- Women Health
- Lack of Masons & Material
- Lack of awareness about Biogas
- Flood situation
- Lack of Sustainability on Faecal sludge Management
- Faecal sludge Management O & M cost

**BIG CHANGE
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•Women Health



•Dumping of raw faecal sludge





Water contamination



Solution through government programmes/scheme

- Central Government Scheme (New and Renewable Energy Ministry)

National Biogas development Program

- Role of State

Finalised Target and availability of Funds

- Role of District

Prepare AIP of awareness Programme & Funds ,

Prepare The list of Masons & Material Suppliers

- Role of Block

Arrange awareness Programme & Disbursement of Funds,

Arrange the Training Programme of Masons

Role of Village level Gramsevak

Making availability of masons

Home visits

**BIG CHANGE
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awareness Programme



Home visits



Training Programme of Masons

**Estimated Cost of construction of 3 cum biogas plant – 60000/-
Cost bifurcation as below**

Sr.	Funding Agency	Amount
1	Govt. incentive for biogas construction (National Biogas development Program)	12000/-
2	To toilet attach	1600/-
3	SBM (G.) incentive (60:40)	12000/-
4	Beneficiary share	34400/-
Total (Aprox.)		60000/-

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Reason of Sustainability Faecal sludge Management

- Community manure pits are self-draining
- O & M cost is self paid
- No any effect on flood situation
- Faecal sludge management is not done manually, done in Bio gas
- Healthy
- Less expenditure on O & M

Impact

- Water sources protected
- Reuse of grey water
- Faecal sludge treated
- Water logging problem solved
- Clean villages and saving on health cost (reduction of waterborne diseases)
- Clean rivers
- Less Pollution
- Sustain Faecal sludge Management

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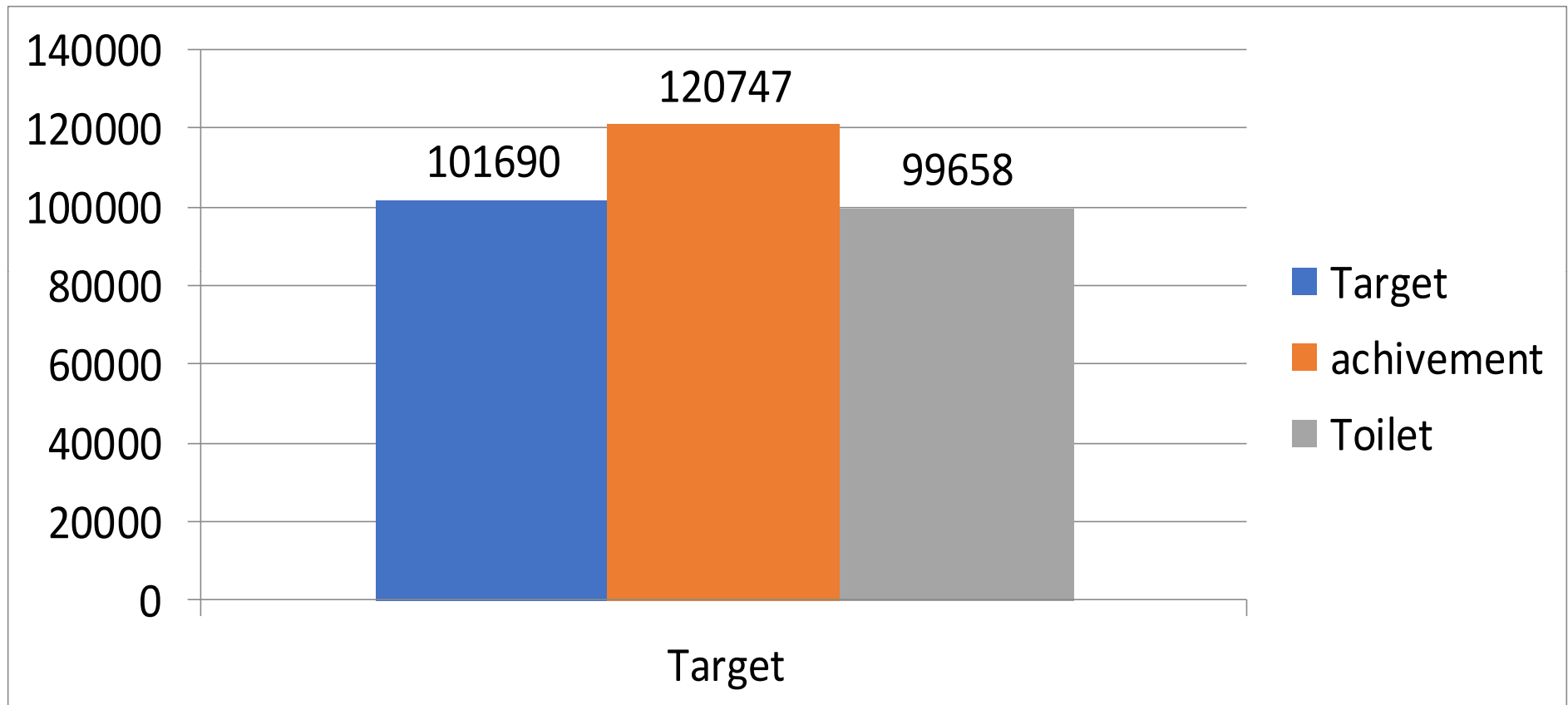


Biogas with capacity & Requirement

Biogas with capacity	Required cattle	Animal waste required per day	Family members
1cum	2-3	25kg	3-4
2cum	4-5	50 kg	5-8
3cum	6-7	75 kg	9-12
4cum	8-9	100 kg	13-16

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Achievement of Bio gas plant From 1982

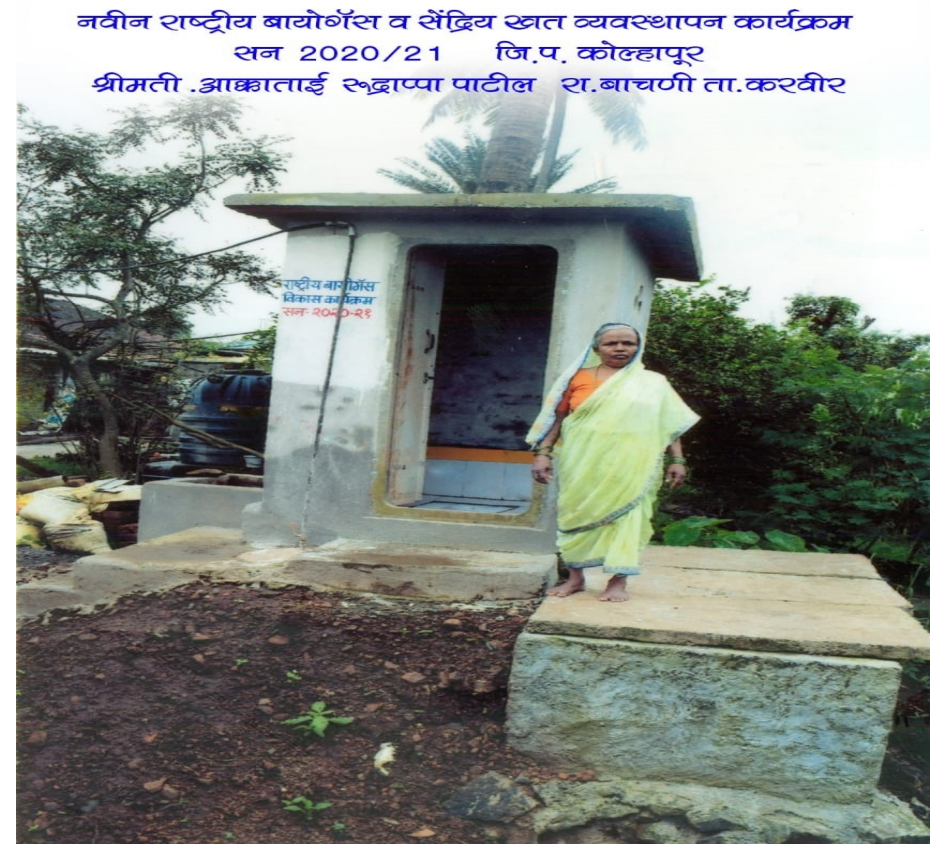


Villages covered with 100% biogas plant

Sr no	Block	Villages
1	Aajara	Morewadi
2	Bhudergad	Mahalwadi
3	Chandgad	Morewadi
4	Gaganbawada	Dhundawade/choudharwadi
5	Gadhinglaj	Helewadi
6	Hatkanagale	Nilewadi
7	Karveer	Shelkewadi
8	Kagal	Faraktewadi
9	Panhala	Kumbharwadi, Mahadikwadi
10	Radhanagari	Bargewadi
11	Shirol	Latwadi
12	Shahuwadi	Katalewadi
	Total	13

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Old and new Biogas Plant



BIO GAS PLANT

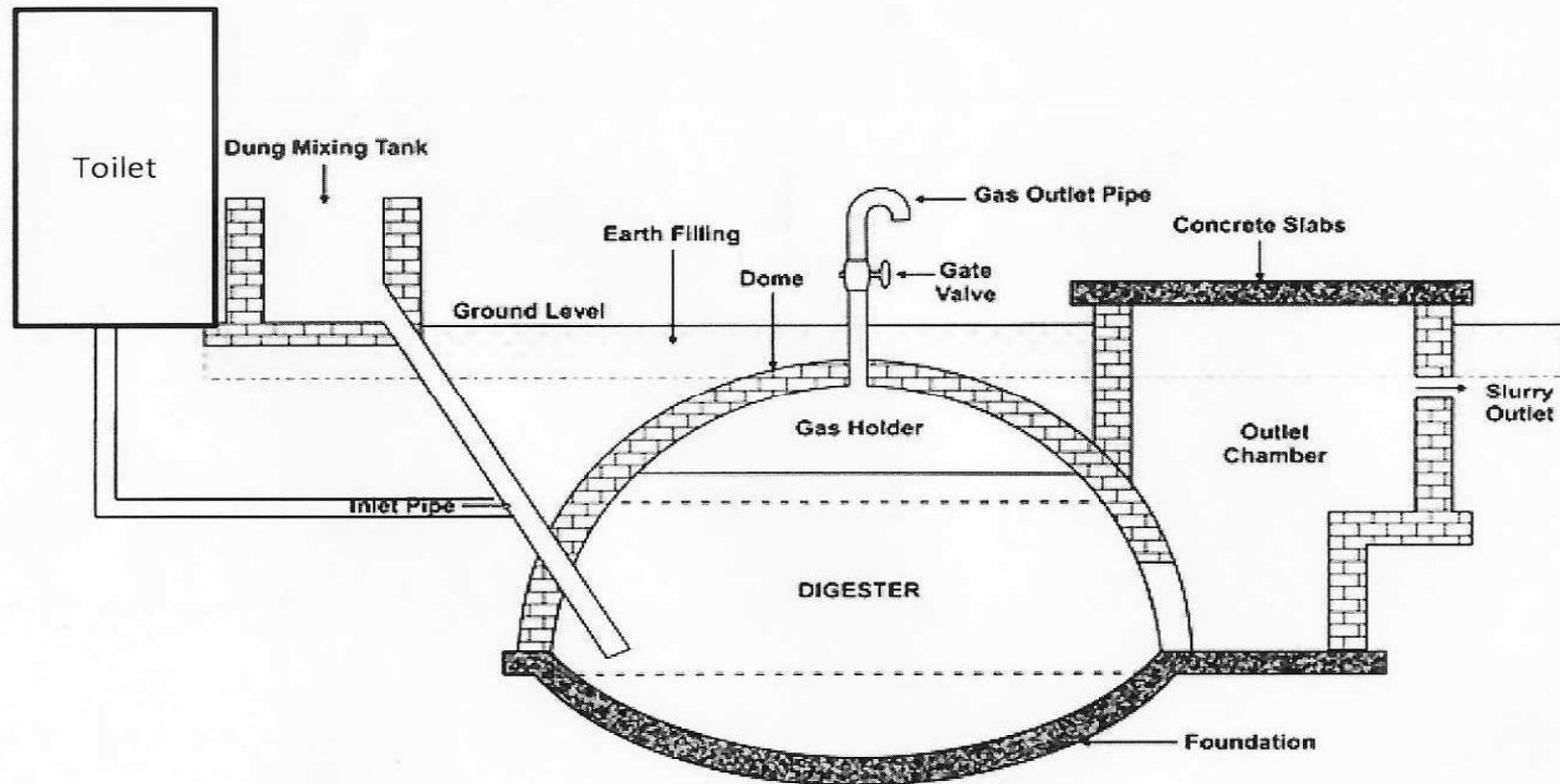


Fig. 6.3 Deenbandhu model biogas plant



चंद्रकांत भगवान पाटील मु.निवडे
ता. गगनबावडा जि. कोल्हापूर











नवीन राष्ट्रीय बायोगॅस व सेंद्रिय खत व्यवस्थापन कार्यक्रम
सन 2020/21 जि.प. कोल्हापूर
श्रीमती .आक्काताई रुद्राप्पा पाटील रा.बाचणी ता.करवीर





Bio gas is . . .

- Reducing the use of LPG and other traditional energy sources
- Encouraging the beneficiaries to use organic fertilizers by reducing the use of chemical fertilizers
- To improve the quality of life of women in rural areas and reduce their suffering.
- Helping maintain cleanliness in rural areas by connecting toilets to biogas plants
- Maintaining the balance of nature by curbing the felling of trees in nature
- Providing biogas for cooking
- generating electricity from biogas.
- To Clean Village
- It does not cause pollution

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आदर्श गाँव

