Study of Biogas Resources Status in Kolhapur District Krishna B. Patre

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Abstract

Kolhapur district is a very prompt district for implementation of all Government schemes those are innovative. To keep balance between human beings and ecology, National Biogas and Manure Management Programmed was one of innovative scheme started to implement by Rural Development Department. This scheme was started since the year 1982-83. At that time Zilla Parishad Kolhapur had constructed 129 biogas plants which was itself a huge success. However there was scarce response to this scheme by rural population. All Government officials' relevant staff and local leaders had to make tremendous efforts to promote the scheme among farmers. Tremendous Information Education and Communication measures through allied components like Gramsabha, posters, leaflets, training programmes, media etc had been implemented. With the progress of time the farmers were promoted in right direction for faith and approach towards this scheme. Being rural authority gramsevak had been provided as promoter's subsidy for each biogas promoted by him. As a result of these efforts, there was construction of 2000 biogas plants in the next two years of commencement of scheme implementation. Zilla Parishad Kolhapur in return was selected for the award of first level of state as well as central since the year 1986-87 till 1998-1999. The details of those awards are as enlisted below.

Keywords: - Agriculture Product Ranking, Rank Coefficient Total Rank.

Introduction

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As National Biogas & Manure Management Programme has been popular among the rural area in Kolhapur. All efforts for completion of target are taken by Zilla Parishad Kolhapur. The procedure of implementation starts from grampanchayat level. Gramsevaks in their monthly meetings are informed about the programme and their role as promoter. Being Facilitatior, Block Development Officer. Agriculture Officer and Extension Officer (Agri.) sometimes attend gramsabha to explain the importance of biogas plant among farmer. Again in their regular visits to villages there are constant efforts to identify the beneficiaries i.e. farmers with minimum 2-3 animals. Total no of families in Kolhapur District are 4.96 lakhs out of which cattale holding families are 3.16 lakh. With sufficient information education and communication by means of leaflet, posters and agril. Exhibition, article in news paper and mazigne etc. promoted beneficiaries give their applications for biogas construction. With the certificates of Gramsevak for availability of sufficient livestock and space for biogas plant construction, the applications are given to Panchayat Samiti. The agriculture wing of Panchayat Samiti makes scrutiny of applications and gives technical sanction for construction. After approval for construction, the beneficiaries construct the plant through the trained masons from nearby villages. Regular inspection is made by Agrifulture Officer and Extension Officer (Agri) during construction. After complication of plant, the proposals for subsidy claims are prepared including plaint photogramphs showing linked toilets manure pits etc. The house assessment records updated with biogas plants is also main component of the proposal. In this way complete proposals are submitted at panchayat samiti.

Study Area

Kolhapur district is situated in the southern part of Maharashtra state. It lies between 15°43' and 17°17' North latitude and 73°40' and 74°42' East longitude

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(Map 2.1). It is surrounded by Belgium district of Karnataka state to the east and south, Sangli district to the north and Ratanagiri and Sindhudurg district to the west. The Sahydri ranges to the west and Warana River to the north form the natural boundaries.



Objectives- Study of Biogas Resources Status In Kolhapur District **Database and methodology**

Primary Data Collection from through the interview, Quaternary, and Secondary data collected from socio-economic abstract, census handbook, Agriculture Development Department, Zilla Parishad, Kolhapur.

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Years	2006-07		2007	2007-2008 2008-4		8-09	2009-10		2010-11		Total		
Name of Taluka	Target	Achiev ement	Target	Achiev ement	Target	Achiev ement	Target	Achiev ement	Target	Achiev ement	Target	Achiev ement	
Karveer	16.5	16.5	24.3	29.4	14.1	14.1	14.8	14.8	14.8	14.8	12.1	18.6	
Hatkangale	4.5	4.5	4.7	4.6	4.2	4.1	6.1	6.1	3.5	3.5	4.6	4.3	
Shirol	1.1	1.1	0.7	0.5	0.8	0.8	2.0	2.0	1.6	1.3	1.2	1.2	
Shahuwadi	3.4	3.4	7.7	11.6	5.5	5.5	4.7	4.7	6.5	6.2	6.1	6.5	
Panhala	13.8	13.8	15.2	11.4	10.6	10.6	5.9	5.9	8.4	8.4	10.9	9.5	
G.Bawada	1.2	1.2	1.3	1.1	1.2	1.2	1.6	1.6	3.5	3.5	2.0	1.7	
Radhanagari	13.2	13.2	12.3	10.6	12.7	12.7	9.6	9.6	11.7	11.7	13.5	12.1	
Bhudargad	9.9	9.9	6.7	6.5	7.6	7.6	12.2	12.2	7.1	7.2	10.0	9.2	
Kagal	12.7	12.7	10.5	8.1	7.8	7.8	14.6	14.6	12.1	12.1	11.5	10.3	
Gadhinglaj	9.5	9.5	5.9	6.5	11.8	11.8	8.2	8.2	10.7	10.7	9.8	9.3	
Ajara	10.0	10.0	5.1	5.4	10.0	10.0	12.2	12.2	9.8	9.8	9.6	9.5	
Chandgad	4.2	4.2	5.6	4.3	13.8	13.8	8.1	8.1	10.3	11	8.7	7.8	
Total	100.0	100.0	100.0	100.0	100.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

 Table-1.1

 Achievement of Biogas Plant in Kolhanur District

Source; based on field work 2015.

Achievement of Biogas Plant in Kolhapur District

2006-07 to 2010-11 (In %)



High Achievement Above 12

In Two Taluka under High Achievementand target Karveer Taluka target 12.1% and achievement 18.6% and in Radhangri in Taluka Traget 13.5% and Achievement 12.1%. in this five year 2007-08. Karveer Taluk target 24.03% and achievement 29.4%, Karveer taluka 2007-08 obtain good achievement than target this is good condition of Biogas Plant Development.

Medium Achievement Between 6 to 12

In seven taluka under Medium achievements thay are Shahuwadi, Panhala, Bhudargad, Kagal, Gadhinglaj, Ajara and Chandgad all of them, Kagal target 11.5% and Achievement 10.3%.,than Ajara and Panhala target respectively 9.6% and 10.9% Achievement 9.5% same, and out of this Shahudadi taluka lowest target 6.1 % and Achievement 6.5%.

Low Achievement Belo 6

Hatkangale, Shirol and G.Bawada this three Taluka under Low chievement and target . Hatkalgale taluka traget 4.6% and Achievement 4.3%, and Bawada Traget 2.05% and Achievement 1.7%, and Shirol taluka shows Target and Achievement same 1.2%.

Conclusion

Agriculture is a backbone of Kolhapur district favorable condition of all biogas plant Development and animal husbandry is a side business. This programme is mainly based on livestock population which is easily available at Kolhapur. Near about all rural families has minimum 2 or 3 animals in the rural areas either for milch purpose or dry land purpose to perform agriculture operation.

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In Kolhapur District good and well situation of the development of biogas plant in Kolhapur district.

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