

Rajiv Gandhi Science and Technology Commission
Govt. of Maharashtra

**Evaluation of the Scheme "Assistance for S & T Applications through
University System"**

Project Progress Report

Title of the Project	Low cost sewage treatment for rural areas	
Name of Institution	SSBT's College of Engineering and Technology Bambhori Jalgaon.	
Name of University	Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon	
Collaborating Institutions	--	
Principal Investigator	Mrs. Sarika S.Pawar	
Co-Investigators	Dr. Mujahid Husain	
Project Duration	2 years	
Approved Budget	Rs. 2,00,000 /-	Grant Received: 155000/-
		• First Year: Rs. 78052.80/-
		• Second Year: Rs. 16,908.58/-
		• Total: Rs. 92871.38/-
Total Expenditure	94,961.38	

Brief report of the project/Highlights of project output:

First year:

1. Extensive literature review has been done.
2. The generation point of waste water in Bambhori have been identified.
3. The disposal point of waste water has been identified .
4. Waste water of village Bambhori has been characterised for important parameters of pollution like BOD,COD ,TS,P^H etc.
5. Meeting has been held with serpanch of village Mr. Sachin Birhade, he has given his consent to support the project.
6. A land plot has been identified with the consent of Mr. Birhade where the project will be executed .
7. A tentative estimation of the project has been done in consultation civil engineer Dr. S.B. Pawar .
8. The following instrument and consumables has been purchased
 - a) Weight Balance
 - b) Water analysis Kit
 - c) Glassware
 - d) Chemicals

Second Year:

The plant species have been selected as Jamun, Neem, Mango, Adulsa and Drum Stick. Plants are planted at the selected location. The sewage is diverted towards plants with a flow rate of 0.2 m³.m³/day approximately. The domestic wastewater is excellent in terms of water value and nutrient value. The plants have shown good growth with it. The effluent BOD is also in the range of 30 mg/L which allows the wastewater to be discharged into river.

1. Is Technology Transferred? If yes, please provide the details about the technology?

No

2. In case there is no technology transfer, mention the steps necessary to get the technology to a level where technology can be transferred.

The work will be published in the esteemed journals to bring it into the scientific domain.

3. Facilities created at the Institution implementing the project

9. The following instrument and consumables has been obtain
 - e) Weight Balance
 - f) Water analysis Kit

4. Number of papers/books/patents published based on work done under the project.

No

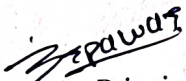
5. Any other information about the Project


Local gram panchayat has shown interest in the outcome of project. Local farmers have also shown interest in implementation.

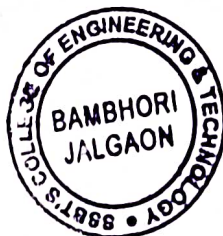
6. References:

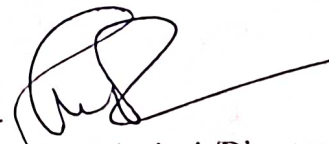
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Signature of the Principal Investigator
Date: 21/03/2024


Signature of the Co-Investigator
Date: 27-3-2024




Signature of the Principal / Director
Date: 27/3/24
PRINCIPAL
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