



MUGBERIA GANGADHAR MAHAVIDYALAYA

P.O.—BHUPATINAGAR, Dist.—PURBA MEDINIPUR, PIN.—721425, WEST BENGAL, INDIA

NAAC Re-Accredited B⁺Level Govt. aided College

CPE (Under UGC XII Plan) & NCTE Approved Institutions

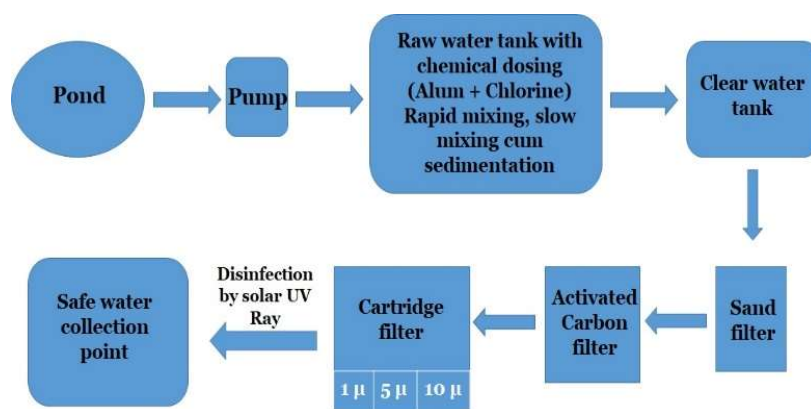
DBT Star College Scheme Award Recipient

E-mail : mugberia_college@rediffmail.com // www.mugberiangangadharmahavidyalaya.ac.in

Project: Solar assisted Ecological balance approach to upgrade traditional Pond Water sourced from Rain Water to safe Drinking Water

In the initiation of Head, Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur has recently installed a mini project entitled “Solar assisted ecological balance approach to upgrade traditional pond water to safe drinking water”. The project site is located within the premises of the college and initially being funded by Mugberia Central Co-operative Bank Limited with an aim to reduce the crisis rising out due to unorganized extraction of groundwater for peoples’ need and to its contrary, upgrade the traditional surface water especially for drinking and cooking purposes of the local community. Most probably, we are the first college across the country who has taken such novel initiation for treating roof water stored in a pond (situated inside the college campus) into safe drinking water. All the physical, chemical and bacteriological parameters of the treated water have been tested from a reputed water quality testing laboratory and the obtained results conform to the drinking water quality guidelines of Bureau of Indian Standards.

Along with this, a water testing laboratory has also been set up as an inevitable part of this project to monitor the treated water regularly. For this purpose, it has been planned to select some students of B.Sc. (both Hons & Pass) in Chemistry having interest in water quality and train them on the methods of sampling and testing of drinking water. This endeavour will be an opportunity for the students to gather sufficient knowledge and experiences in water quality analysis which may be a yardstick for their employability in future.



Picture 1: Flow Diagram



Picture 2: Project site and water testing lab

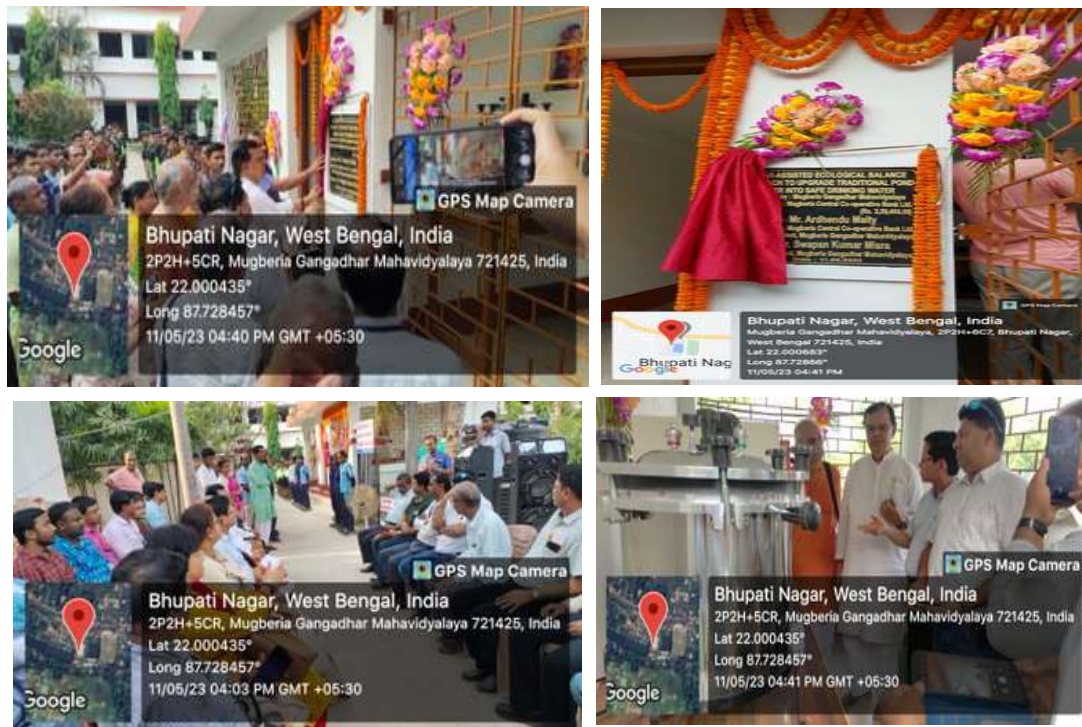


Figure 3: Inauguration of the project

Twitter link:

<https://twitter.com/Swapank26545954/status/1656703320222842880/photo/1>

<https://twitter.com/Swapank26545954/status/1656703941965496326/photo/2>

Swapan
Dr. Swapan Kumar Misra
Principal
Mugberia Gangadhar Mahavidyalaya

Principal
Mugberia Gangadhar Mahavidyalaya -