



॥ ऋते ज्ञानान्न मुक्तीः ॥

Dwarka Bahuuddeshiya Gramin Vikas Foundation's

Rajarshi Shahu College of Engineering, Buldana

Approved By AICTE New Delhi, NAAC Accredited, Affiliated to Sant Gadge Baba Amravati University



Department of Civil Engineering

Guest Lecture Report

As a part of creating awareness on effective rain water management, a guest lecture on “**Rain water harvesting**” was organized by Rajarshi Shahu College of Engineering on 16th May 2023. The lecture was delivered by Prof. S. A. Deshmukh, HOD of Civil Engineering Department, Pankaj Laddhad Institute of Technology & Management Studies Buldana. He spoke about importance of water in sustenance of life. The speaker has enlightened the students of RSCE Buldana with regard to methods of rain water harvesting (rooftop based and land based), storage and reuse of the same. He further explained in detail about the design for roof top rain water harvesting and construction or utilization of existing water storage sumps for harvesting and storing of rain water. He added saying that the stored rain water can be utilized for either domestic or drinking purposes or both, depending on the need.

However, he cautioned regarding cleaning of rooftop at least once a year to avoid impurities and dust coming into storage tanks. Further he also explained two success stories which includes harvesting of 10 crore litres of water per annum through various rain water harvesting and storage structures in JNTU campus, Hyderabad and decline in fluoride content to below threshold limit in drinking water in three Zilla Parishad High schools with the help of recharge of borewells and rooftop rain water harvesting. He explained about significance of water saying that it is an elixir of life and also the need for enhancing the water use efficiency in

Agriculture. He also added saying that water saved is water produced, hence, utmost care has to be taken to conserve but not to waste or contaminate the water resources. It is the responsibility of each and every citizen to safeguard and utilize water resources in a sustainable manner. Dr. J. P. Kaware, Principal and students of RSCE Buldana thanked the speaker for enlightening the staff and students about harvesting rain water and its efficient utilization. Four Assistant professors from RSCE, Buldana Prof. N. S. Payghan, Prof. N. G. Deshmukh, Prof. K. S. Sarode, Prof. R. V. Bhalerao along with 60 students have participated in the programme.



Falicitation of Guest

