



ANJUMAN COLLEGE OF ENGINEERING & TECHNOLOGY

Mangalwari Bazar Road, Sadar, Nagpur-440001.
(Managed By Anjuman Hami-E-Islam, Nagpur.)

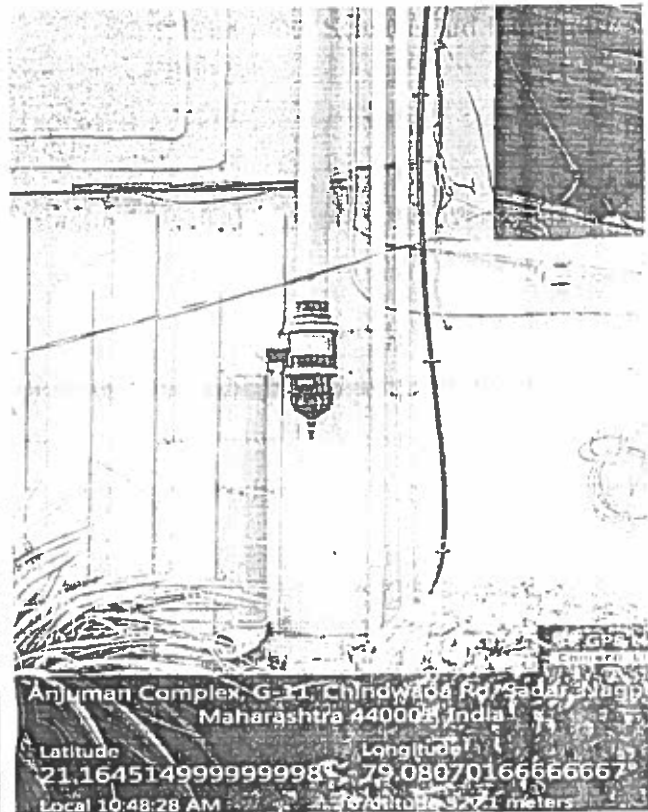
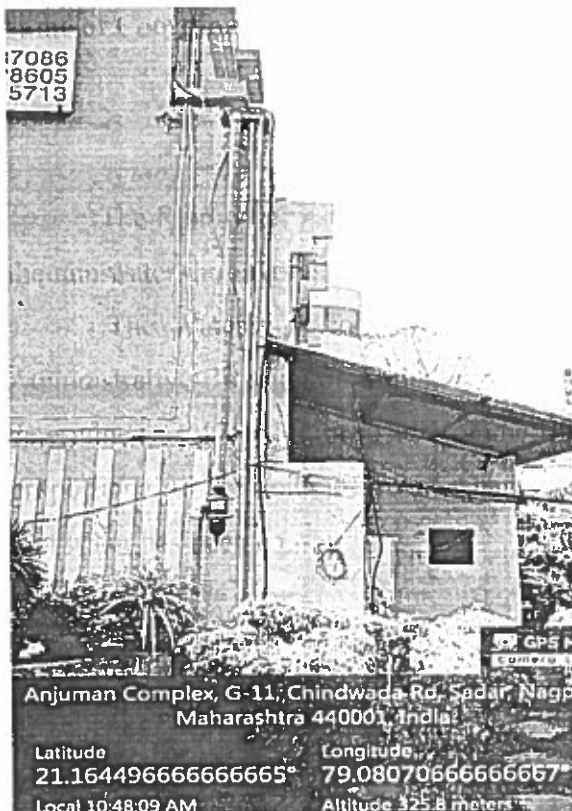
ACADEMIC YEAR 2020 – 21

Name: Water conservation facilities available in the Institution. (RAIN WATER HARVESTING)	7.1.4
Name of Organizers: Civil Department	
Name of Coordinators: Prof Aquib Ansari	Place: Anjuman College of Engineering Science and Humanities Building

REPORT

The Rain water harvesting is adopted by the Institute. This practice effectively conserves the rain water thus avoids the wastage of it.

The Water gets collected from rooftop area of Science & Humanities Building and Administrative Building of Anjuman college of Engineering. The Total catchment area has been determined as 1759 Sq.mt. The Volume of tank which stores the harvested water is directly proportional to the volume of water harvested. Rationing Method for distributing the harvested rain water has been chosen.



The Total water serve to the garden surface is 200 lit/day as the water demand of the bushes. We have our total Catchment area as 1759 sq.mt and average annual rainfall at Nagpur is near to about 1.09m³ /year So the Total Volume of surface runoff suppose to be collected is 1920m³ /year. Taking the runoff coefficient as 0.80, the total amount of water collected in one year from the administrative building is about 1540 m³ /year. Therefore the total amount of water we used in 8 month is 1540/8= 200 m² /year. The Total water thus collected is then use for the purposes of gardening and also to recharge the ground water table.



Prof. Aquib Ansari
Coordinators



Dr. Ashfaque Ansari
HOD



Dr. S.M.Ali
Principal

Dr. SYED MOHAMMAD ALI
Principal
Anjuman College of Engineering
& Technology, Sadar, Nagpur.



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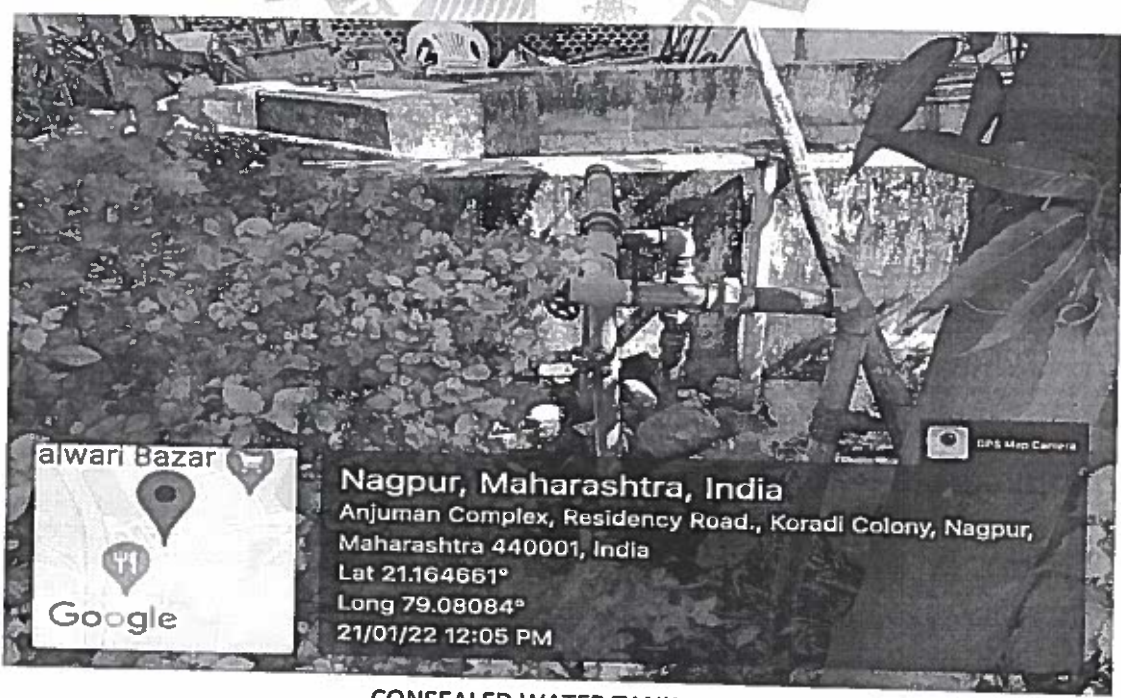
ACADEMIC SESSION 2020-2021

Water conservation facilities available in the Institution:

1. Rain water harvesting pipes
2. Open well
3. Concealed tanks
4. Maintenance of water bodies and distribution system in the campus



RAIN WATER HARVESTING PIPES



CONSEALED WATER TANK

[Signature]
Coordinator

[Signature]
HOD

[Signature]
Dr. SYED MOHAMMAD ALI
Dr. Syed Mohammed Ali
Principal
Anjuman College of Engineering & Technology, Sadar, Nagpur.

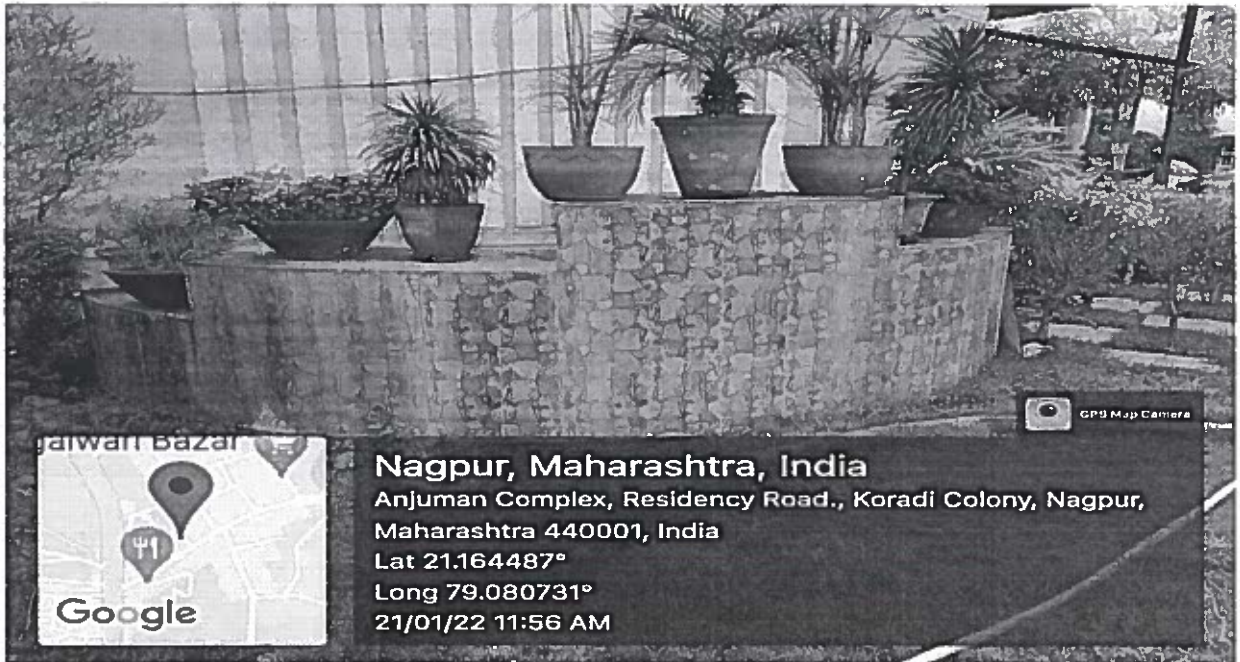


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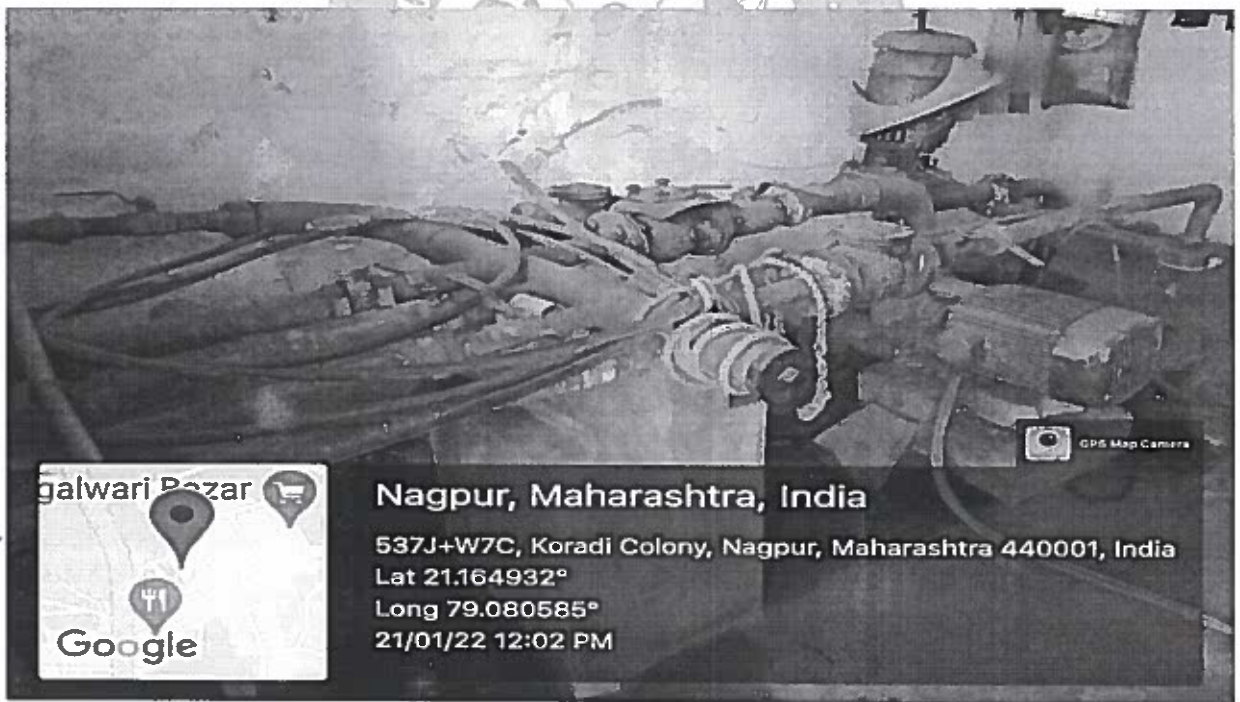
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ACADEMIC SESSION 2020-2021



CONSEALED OPEN WELL



PUMP HOUSE FOR WATER DISTRIBUTION

Coordinator

HOD

Dr. Syed Mubashir Ali
Dr. SYED MUBASHIR ALI
Principal
Anjuman College of Engineering & Technology, Sadar, Nagpur.