



A.Y.DADBHAI TECHNICAL INSTITUTE, KOSMBA

CIVIL ENGINEERING DEPARTMENT

WEBINAR



**STORAGE
WORKS**

THURSDAY 15 APRIL 2021 12:30 PM ONWARDS



**EXPERT
DR.MANOJ J. GUNDALIA**

Associate Professor & Head
Department of Civil
Engineering
Chhotubhai Gopalbhai Patel
Institute of Technology
UKA Tarsadia University
Maliba Campus
Bardoli
Surat

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A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA

Department of Civil Engineering

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REPORT

ON

Expert Lecture on "STORAGE WORKS IN WATER RESOURCES MANAGEMENT"

Civil Engineering Department of A.Y.DADABHAI TECHNICAL INSTITUTE, KOSAMBA organized expert lecture on "STORAGE WORKS IN WATER RESOURCES MANAGEMENT" in for students of 2nd year (4TH SEMESTER) Civil Engineering. The expert talk was delivered by Dr. Manoj J. GUNDALIA, Associate Professor & Head OF Department of Civil Engineering, Chhotubhai Gopalbhai Patel Institute of Technology.

Topic: storage works

Date: April 15, 2021

Resource person: Ms Dharti K. Master, Lecturer in civil Engg. department AYDTI, Kosamba.

Time: 12:30 PM to 1:30 PM

About the speaker: Dr. Manoj J. GUNDALIA has completed his B.E. in Civil Engineering from M.S. University and M.E. in Civil (Water Resources Management) Engineering from Gujarat University. He has completed his Ph. D in Civil Engineering from Gujarat Technological University, Ahmadabad in December, 2016. He has published 30 research papers in national and international Journals/Conferences. He has 14 years of field and more than 10 years of teaching experience. Currently he is working as an Associate Professor and Head in the Department of Civil Engineering, Chhotubhai Gopalbhai Patel Institute of Technology, UkaTarsadia University, Maliba Campus, Bardoli, Surat (Gujarat-INDIA).

The lecture was started by describing the importance of water resources management in everyday life. All the storage works of water were listed and explained one by one. He then explained the reservoir, its losses, sedimentation control & various construction of dam etc.

He later talked about the recent scenario in water resources field of storage work. He also explained impacts of current and future large dams on the geographic range connectivity of freshwater fish worldwide. He gave very informative data regarding problems during construction of dams have resulted in problems like excessive sedimentation and salinity, water logging, sudden floods, soil

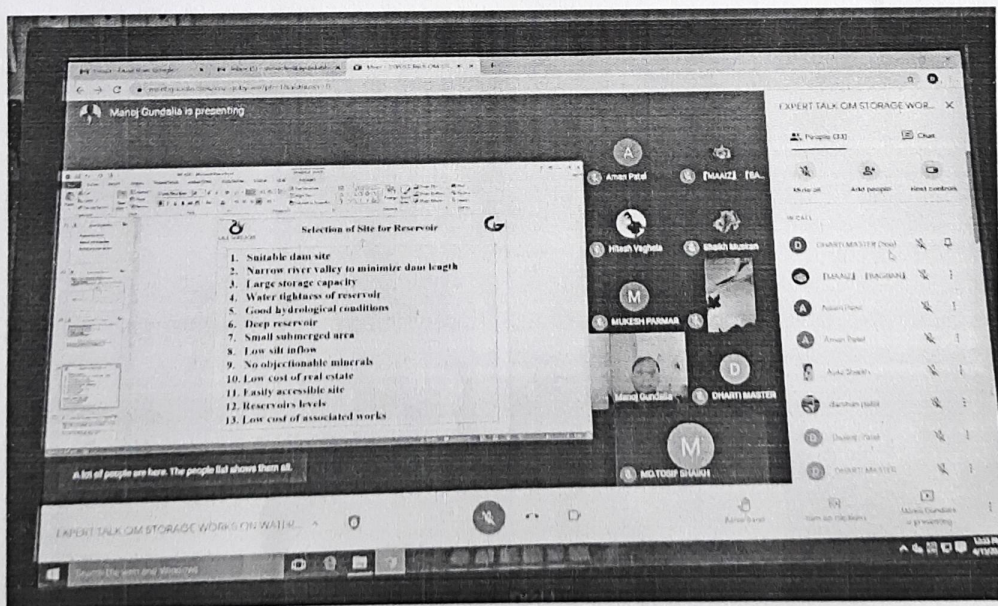
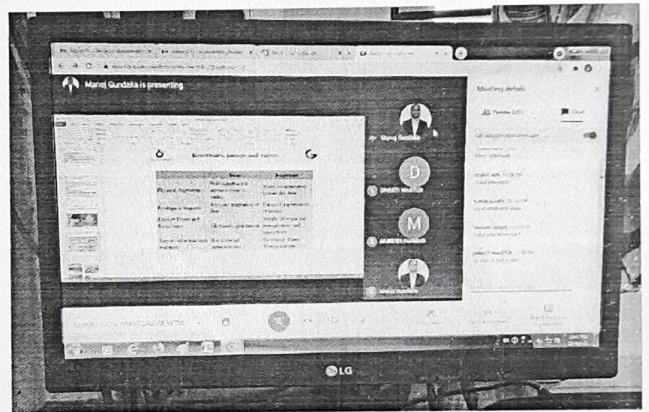
erosion, large scale deforestation, extinction of species, health hazards, displacement of local communities and loss of livelihood of tribal communities

Dr. Patel also showed us an informative video of sardar sarovar dam construction detail. He acquainted us with the scope of water resources engineering and encouraged us to choose the field as it holds much importance in the upcoming times.

Overall, the lecture was very interesting and beneficial to all the students.

GOOGLE MEET LINK:

https://docs.google.com/forms/d/e/1FAIpQLSdQ6M17VZ0Zc3M8JgJlJm0OD8sYLwxT8_SuZDU6VTN3EJg3A/viewform?usp=sf_link



- Selection of Site for Reservoir**
1. Suitable dam site
 2. Narrow river valley to minimize dam length
 3. Large storage capacity
 4. Water tightness of reservoir
 5. Good hydrological conditions
 6. Deep reservoir
 7. Small submerged area
 8. Low silt inflow
 9. No objectionable minerals
 10. Low cost of real estate
 11. Easily accessible site
 12. Reservoir levels
 13. Low cost of associated works