



A M I T Y U N I V E R S I T Y
— U T T A R P R A D E S H —

3rd International Conference on Entrepreneurship, Innovation and Leadership (ICEIL 2020)

17-19 December 2020

Theme: Harnessing Innovation, Technology, Entrepreneurship and Sustainability

Annexure 1

Session-wise Rapporteur Report

Track Title: Water Resource Management and Technologies

Track No: 1.8

Session Topic: Water Resource Management and Technologies

Date: 19th Dec 2020

Time: 10.15-11.45 am

Session Moderator: Prof (Dr.) Tanu Jindal

Group Additional Pro Vice Chancellor (R&D)

Director

Amity Institute of Environmental Sciences (AIES)

Amity Institute of Environmental Toxicology, Safety and Management (AIETSM)

Session Chair: Mr. J.K Bassin

Scientist and Head
CSIR-NEERI

List of Esteemed Panel Speakers:

- 1. Mr. M. K Sinha**
Chief Engineer
Central Water Commission

- 2. Mr. M.K Hans**
Senior Engineer
Delhi Jal Board

- 3. Mr. R.K Jain**
Civil Engineer
National Water Development Agency

- 4. Mr. Dan Alluf**
Counselor
Israel Embassy, Delhi

Speaker wise discussion points (as per programme flow):

1. Mr. J.K Bassin – **‘Water Management’**
 - 1.1 Water distribution
 - 1.2 Disparity in water sector
 - 1.3 Geogenic contamination of water
 - 1.4 Water pollution and its impacts
 - 1.5 Contamination removal methods

2. Mr. M.K. Sinha - **“Water resources management- issues related to irrigation sector and solution”**.
 - 2.1 India’s share in water resources
 - 2.2 Discussions on water supply and demand of India
 - 2.3 Sector-wise future water demand in India
 - 2.4 Main challenges and steps taken in irrigation sector

3. Mr. M.K Hans **“Water Resource Management and Technologies”**
 - 3.1 Need for water resource management.
 - 3.2 Goals for water resource management.
 - 3.3 Managing water resources through different techniques and technologies.
 - 3.4 Protection and conservation of water resources through conserving groundwater, restoration of ecosystem of drains etc.
 - 3.5 Proposed utilization of treated wastewater initiatives.

4. Mr. R.K Jain –
 - 4.1 Variation in rainfall
 - 4.2 Today’s problem related to water resources
 - 4.3 Water resource management through interlinking of Rivers/ inter basin water transfer
 - 4.4 Use of technologies for planning interlinking of rivers/ inter basin water transfer

5. Mr. Dan Alluf –
 - 5.1 Ability of state to put in place infrastructure and policy
 - 5.2 Implementation of policies related to water, piping infrastructure, drip irrigation etc.
 - 5.3 Focus on the quality of water for different purposes.
 - 5.4 Involvement of private sector for research and development for innovations in water sector

Q & A Session

1-Video presentation by Mr. Dal Alluf, Counsellor, MASHAV Agriculture Israel Embassy, Delhi

Q1- What are the challenges in agricultural economy for India and how can they be addressed?

Q2- How is the State of Israel contributing to capacity building in India.

2- Presentation by Mr. M.K. Sinha, Chief Engineer, Central Water Commission

Q1- What are the current issues in flood management in India?

Q2- What according to you are the concerns for reservoirs during high-intensity rainfall as catchments?

3- Presentation by Mr J. K Bassin, Chief Advisor ,Ex-Chief Scientist & Head, India Water Foundation, CSIR-NEERI , Delhi Centre

Q1- What according to you are the main reasons for the current water crisis in India?

Q2- What is the Indian government doing about water scarcity?

4- Presentation by Sh. M.K.Hans, Senior Superintending Engineer (Electrical & Mechanical) Delhi Jal Board

Q1- How is the Delhi Jal Board plan to have vigil on preventing misuse of water?

Q2- What are the interventions planned to clean Yamuna by March 2023?

5 Presentation by Dr. R.K. Jain., Civil Engineer, National Water Development Agency

Q1- What are the challenges in modernizing sustainable irrigation systems?

Q2- What are the contributions of National Water Development Agency?

Summary of the session (200 words):

The session focused on the water resources management and technologies. The presentations and discussions were on the distribution of water resources globally and in India. The session continued with focus on the demand and supply of water resources in different sectors. Panelists also presented their views on the need for management and future water demands. Many solutions were also presented by all the speakers for management, protection, and conservation of water resources through conserving groundwater, restoration of ecosystem of drains etc. Later the session focused on the development of technologies for the current water related problems like planning interlinking of rivers/ inter basin water transfer.

Session Photograph (Screen shots):



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הסכם

ICEIL 2020 - 19 December 2020 - 1st Half

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Mr. Anuj Rangan LIVE

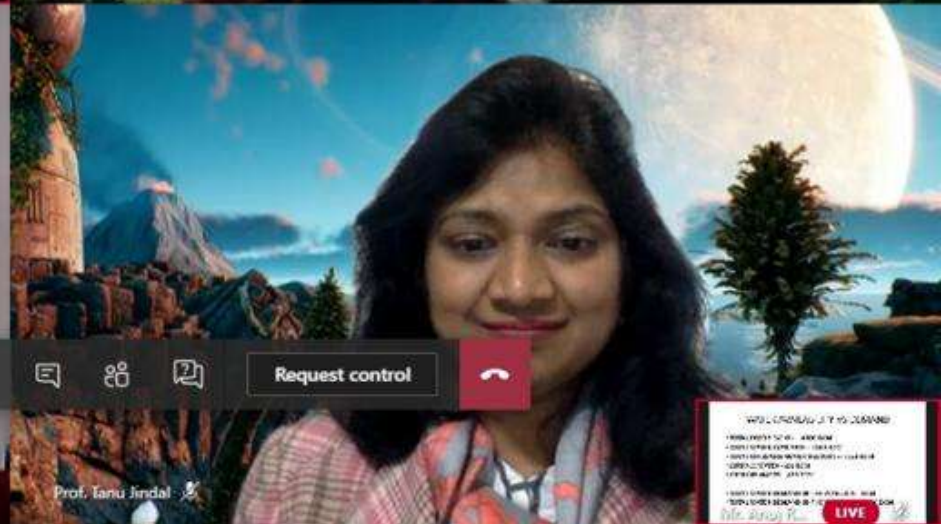
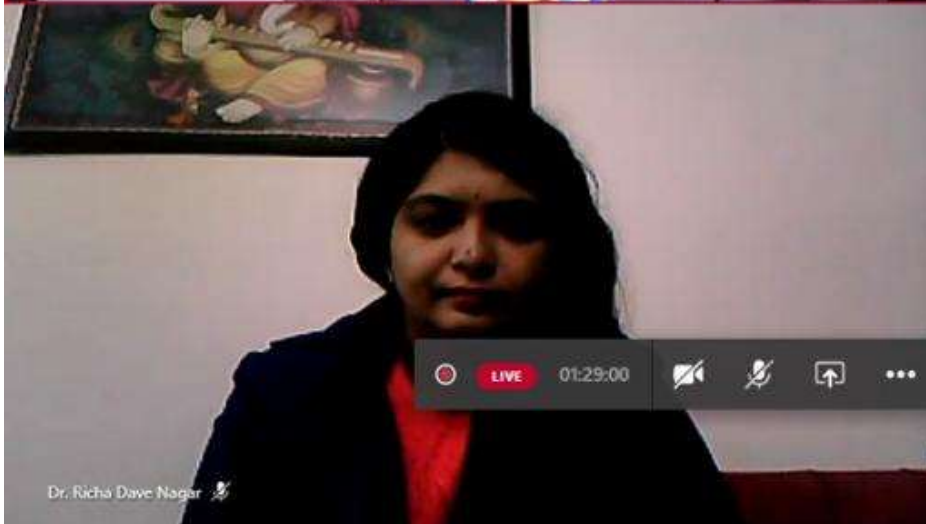
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Speaker-3
Abhishek Chaudhary
Dr. Richa Devi Nagre
IT_RahulAKC
Speaker-4
Mr. Anuj Rangan

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VIRTUAL 3rd INTERNATIONAL CONFERENCE ON ENTREPRENEURSHIP, INNOVATION AND LEADERSHIP (ICEIL 2020)
(HARNESSING INNOVATION, TECHNOLOGY, LEADERSHIP FOR SUSTAINABILITY)
17th - 19th December 2020

TRACK 1.8 WATER RESOURCE TECHNOLOGIES
19th December 2020
10:15am - 11:45am

Registration: <https://www.amity.edu/iceil2020>

Sponsored by

Conference Chair: Prof. Dr. Jyoti Chandra Shrivastava, Vice-Chancellor, Amity University
Session Chair: Mr. T. S. Bhatnagar, Associate Professor, IQAC, Amity

Distinguished Speakers:
Mr. S. K. Singh, Mr. S. K. Singh, Mr. S. K. Singh



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Spatial & Temporal Variation of Rainfall

Average Annual Rainfall

LEGEND (in Millimeters)

0 - 400
400 - 800
800 - 1,200
1,200 - 1,600
1,600 - 2,000
2,000 - 2,500

Precipitation during June to September 3000 BCM (75%)

Month	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Percentage	1.24	1.33	2.12	3.16	6.03	16.42	23.76	19.89	14.19	7.69	3.45	1.42

Rainfall in mm

Average	1,170	
Max.	11,000	Mawsynram, Rajasthan

Mr. Anuj Ranjan **LIVE**

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Speaker-2

Speaker-4

Speaker-3 **LIVE**

Prof. Anu Jindal

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11:17 AM
19-12-2020

Transcript of the session by Rapporteur:

Final Report will be improved by the Session Coordinator with the inputs from the Session Moderator:

Report Approved by HOI: