

Board for Community Development through Education Govt. of AP			
Title of the Seminar:		<i>"Quenching the Thirst: A Smart Solution to Urban Water Crisis."</i>	
Program Date:	05th - 07 - 2025	Program Time:	11:00 AM
Associate organization (if any):		The Institution of Engineers (India), Andhra Pradesh State Centre	

REPORT

The Board for Community Development through Education Govt. of AP, in association with The Institution of Engineers (India), Andhra Pradesh State Centre, successfully organized a Technical Expert Session through a virtual platform. The session was aimed at exploring innovative, smart, and sustainable solutions to the urban water crisis, a growing concern in today's rapidly urbanizing world.

Chief Guest & Keynote Speaker

Er. M. Siva Prasad, M.Tech., FIE
 Additional Commissioner,
 MGNREGS – Rural Development
 O/o The Commissioner, PR & RD, Amaravathi, Andhra Pradesh

Presided by:

Prof. (Dr.) M. L. S. Deva Kumar, FIE
 Secretary & CEO, BCDE, Government of AP
 Chairman – IEI Andhra Pradesh State Centre

Guest:

Prof. (Dr.) A. V. Naresh Babu, FIE
 Hon. Secretary – IEI Andhra Pradesh State Centre

Welcome Address

Prof. (Dr.) M. L. S. Deva Kumar, FIE
 Chairman, The Institution of Engineers (India) – Andhra Pradesh State Centre

In his formal welcome address delivered virtually, Prof. (Dr.) M. L. S. Deva Kumar extended a warm welcome to the Chief Guest, guest speakers, dignitaries, and participants from various locations. He acknowledged the need for collaborative and interdisciplinary efforts to combat urban water stress and underlined the role of engineers as problem solvers.

He highlighted that virtual platforms have enabled institutions like IEI to connect thought leaders and professionals across geographies, allowing the exchange of ideas to continue seamlessly. He appreciated the support of the Government of Andhra Pradesh and encouraged all attendees to actively participate in shaping water-resilient cities.

Mr. Muni Srinivasa Rao
Convener, Technical Expert Session

As the **Convener** of the event, Mr. Muni Srinivasa Rao played a pivotal role in organizing and coordinating the session. He delivered the **formal introduction of the Chief Guest, Er. M. Siva Prasad, M. Tech, FIE**, highlighting his extensive experience, leadership in public service, and commitment to rural and urban development through technical and community-driven programs.

Mr. Muni Srinivasa Rao spoke about Er. Siva Prasad's accomplishments as **Additional Commissioner of MGNREGS**, and how his work has impacted water resource management and sustainable infrastructure development across Andhra Pradesh. His words set the context for a deeply engaging and informative keynote address to follow.



Chief Guest and Keynote Speaker:

Er. M. Siva Prasad, M. Tech, FIE
Additional Commissioner, MGNREGS – Rural Development
O/o The Commissioner, PR & RD, Amaravathi, AP

Highlights of the Chief Guest's Address (Delivered Online):

Er. M. Siva Prasad delivered a highly insightful keynote talk focusing on the theme "*Quenching the Thirst: A Smart Solution to Urban Water Crisis.*" His virtual address included a detailed presentation with key data, field experiences, and examples of scalable practices.

Topics he covered included:

- **MGNREGS and Urban Water Resilience:**
How rural development schemes are creating water security assets even in peri-urban regions.
- **Rainwater Harvesting and Recharge Models:**
The necessity of incorporating such models in city planning and infrastructure.
- **Urban Water Auditing:**
Emphasis on smart metering, leak detection systems, and water-use optimization.
- **Greywater Recycling & Reuse:**
Implementation models for apartments and public buildings.

- **Tech-Driven Water Management:**
Integration of IoT, SCADA systems, and GIS mapping for efficient urban water governance.
- **Public Awareness Campaigns:**
Engaging communities in water conservation practices through digital media and grassroots training.

His talk effectively balanced field-level insights with policy-driven strategies, offering a roadmap to build smarter, water-secure urban environments.

Session Highlights

- Virtual participation of engineers, academicians, and government officials from across the state and beyond.
- Presentation of real-world case studies and data-backed strategies.
- Open Q&A segment with practical suggestions shared by attendees.
- Reinforcement of the need for inclusive planning and decentralized water systems.



Vote of Thanks

Prof. (Dr.) A. V. Naresh Babu, FIE

Hon. Secretary, The Institution of Engineers (India) – Andhra Pradesh State Centre

Prof. Naresh Babu expressed gratitude to all participants, especially the Chief Guest and the organizing team, for making the online event a success. He emphasized the Institution's dedication to facilitating such knowledge-sharing events regularly to promote responsible engineering solutions for societal benefit.

