

IEI Celebrates World Water Day



Theme - Water for Peace

The World Water Day was celebrated by the Institution all over the country on March 22, 2024. Reports of celebration received from various Centres are reported here.

STATE CENTRES

Andhra Pradesh

On 22 March 2024, Andhra Pradesh State Centre, IEI, in association with Lakireddy Bali Reddy College of Engineering (LBRCE), observed World Water Day 2024 at Vijayawada. Prof (Dr) Venkata Sriram Chintamaneni, Chairman, Andhra Pradesh State Centre, IEI, delivered the welcome address. Mr P L N Kartic, Superintending Engineer, Capital Region Development Authority, Vijayawada, graced the occasion as Chief Guest and Keynote speaker. Mr Kartic discussed about various sources of water, their quality problems and stressed the need to purify the water, water conservation, ground water recharge and water minimization aspects to solve the water crisis. He presented few case studies of global water crisis, particularly in Bangalore and discussed the solutions to address the problems. The event witnessed the presence of Dr K Appa Rao, Principal, LBRCE, Andhra Pradesh; Dr J Venkateswara Rao, HoD, Civil Engineering Department, LBRCE, Andhra Pradesh; Dr D Ramesh Kumar, Committee Member, Civil Engineering Division, Andhra Pradesh State Centre and Faculty Members of Civil Engineering Department, LBRCE, Andhra Pradesh. At the end, Prof (Dr) M L S Deva Kumar, Honorary Secretary, Andhra Pradesh State Centre, IEI, proposed the vote of thanks.

Assam

On 22 March 2024, Assam State Centre, IEI, in association with water related Department/Organizations of Central & State Government observed World Water Day 2024 at Guwahati. Er Mahesh Barkataki, Chairman, Assam State Centre, IEI presided over the function. Er Monojit Misra, Honorary Secretary, Assam State Centre, IEI delivered the welcome address. Keynote Speaker of the event, Dr Bibhab Kr Talukdar, Secretary General & CEO, Aranyak, Assam, spoke about the role of water as a peace maker. He emphasized that water is an important medium to bring global peace, sustain human wellbeing and can also be a cause of dispute. He appealed for judicious use of water, to conserve water sources and to create awareness. Chief Guest of the event, Dr Reep Hazarika, State Information Commissioner and Former Managing Director, BCPL appealed to take necessary steps for conservation of water. On this occasion, technical papers were presented as 'Water for Peace – A Northeast India Perspective on Transboundary Rivers' by Mr Partha Jyoti Das, North East India Forum & Head, Water Climate & Hazard Division, Aranyak, Assam; 'Assessment of Water Content and Changing Patter in Guwahati City' by Ms Labhita Sahariah & Ms Lilawati Rabha, Mahapurusha Srimanta Sankardeva Viswavidyalaya, Nagaon; and 'Use of GIS and Modeling Tools in Hydrological Studies: Jal Jeevan Mission, Assam' by Dr Bijoy Krishna Chetia, Hydrologist, JJM, Assam and Shri C Debasish, GIS Expert, JJM, Assam.

Bihar

On 22 March 2024, Bihar State Centre, IEI observed World Water Day 2024 at Patna. Er Jai Prakash Narayan, Chairman, Bihar State Centre, IEI and Prof (Dr) Santosh Kumar, Chairman, Indian Water Resources Society (IWRS), Patna welcomed the Chief Guest, Prof (Dr) Girish Kumar Choudhary, Chairman, Bihar State University Service Commission. Prof Choudhary focused on importance of freshwater, discussed how to tackle the global water crisis and leveraging water for peace. Keynote Speaker of the event, Dr Rakesh Tiwary, Faculty at Centre of Social Geography, A N Sinha Institute of Social Studies, Patna highlighted the increase of world population, which

has put huge pressures over environmental resources like fresh water resources for food production, energy, drinking water, urbanization, and environmental services. He emphasized that huge disparities in economic development, technology, economic growth have put resources under pressure. He stressed the need in collaborative manner for the development sectors such as energy, flood management, irrigation, ecological health, navigation and to meet national and international requirements incorporating national issues of domestic water budget, national water policy, people's awareness, regional co-operation and environmental sustainability of the whole basin. At the end, Er Neel Mani Rangesh, Honorary Secretary, Bihar State Centre, IEI proposed the vote of thanks.

Delhi

On 22 March 2024, Delhi State Centre, observed World Water Day 2024 online. Dr Santosh Kumar Singh, Chairman, Delhi State Centre, IEI welcomed the Chief Guest of the event, Mr R S Tyagi, Former Member, Delhi Jal Board, Guest of Honour, Dr S M Goel, Council Member, IEI and the participants. Dr Singh explained the theme of the event and emphasized the role of water in bringing global peace and sustainable development. He stressed the need to unite together to balance the human rights and to distribute water resources equitably. Dr S M Goel, Council Member, IEI explained the day as a platform to inspire individuals, communities and Governments to prioritize water as a tool for peace and focused on the role of water in ensuring stability and prosperity of the world. He urged all in fostering water management and cooperation, ensuring water as a catalyst for peace. Mr R S Tyagi emphasized the importance of awareness programs in local communities, schools, NGOs, etc., to promote water education, including rainwater harvesting, water resource protection, and environmental law compliance, with a focus on government involvement. At the end, Er Rajesh Sharma, Honorary Secretary, Delhi State Centre, IEI proposed the vote of thanks.

Goa

Goa State Centre, IEI, in association with Goa State Pollution Control Board, observed World Water Day on 26 March, 2024 at Goa. Er Anwar Isaac Khan, Chairman, Goa Local Centre, IEI shed light about the crucial role of engineering in finding sustainable solutions to environmental challenges, particularly to water management. Dr Sharmila Monteiro, Member Secretary, Goa State Pollution Control Board underscored the Board's commitment in addressing water pollution issues in the State and emphasized the importance of collaborative efforts in safeguarding water resources for future generations. Chief Guest and Keynote Speaker of the event, Er Subrai Nadkarni, Consulting Engineer, Valuer & Hydrologist, shared his valuable insights about sustainable water practices and appealed to the audience for water conservation in their daily lives. At the end, Er Dubhashi Siddhant Shraavan, Honorary Secretary, Goa State Centre, IEI highlighted the importance of collective action in addressing water related challenges and urged everyone in preserving this invaluable resource. On this occasion, participants and dignitaries stressed the need to raise awareness about water conservation, reducing water consumption, promoting water saving technologies, advocating for policies ensuring access to clear water, protecting freshwater ecosystem, etc.

Gujarat

On 22 March 2024, Gujarat State Centre, IEI, in association with Indian Plumbing Association, Ahmedabad and Civil Engineering Department,

Applied Mechanics Department of L D College of Engineering, observed World Water Day 2024 in Ahmedabad. Dr Niraj Anilbhai Shah, Honorary Secretary, Gujarat State Centre, IEI welcomed all the participants. Mr Vivek Kapadiya, Secretary of Government of Gujarat and Director of Sardar Sarovar Narmada Nigam Limited, Government of Gujarat, graced the occasion as Chief Guest. He emphasized the significance of water for peace and its role for life. Dr Nilay Bhupatani, Principal, L D College of Engineering, Ahmedabad delivered the theme lecture and focused on water scarcity faced by Bangalore City and South Africa due to rapid urbanization, population growth, pollution and climate change impacts. He highlighted the innovative solutions and initiatives undertaken to address these challenges and emphasized the importance of sustainable water management practices. Mr Minesh Shah, Chairman of Plumbing Association, Ahmedabad shared his valuable insights on career opportunities within the water industry. Mr Tejash Joshi, Managing Director, Space Elements delivered lecture on rainwater harvesting and highlighted its importance in sustainable water management practices.

Himachal Pradesh

Himachal Pradesh State Centre, IEI observed World Water Day on 23 March, 2024 through hybrid mode and a webinar was organized on the theme. The event aimed to raise awareness about the critical role of water in fostering peace and sustainable development. Er Vishwa Mohan Joshi, Chairman, Himachal Pradesh State Centre, IEI, emphasized the critical role of water, water for peace and sustainable development. He underscored the urgency of addressing water-related challenges and the role of engineers in finding innovative solutions. Keynote Speaker, Dr Daljeet Kumar, Assistant Professor, Department of Civil Engineering, HPU, Shimla in his Keynote Address explored the relationship between water resources, peace and sustainable development. He gave an overview of global water crisis, highlighted its multifaceted impact on social, economic and environmental dimensions. He emphasized that equitable access to water is not only a fundamental human right but also promotes social harmony and stability. He discussed the root causes of water related conflicts including competition over scarce resources, unequal distribution, geopolitical tensions and emphasized the role of engineering in implementing sustainable solutions. He stressed the importance of collaboration among Governments, NGOs, academia and local communities to achieve SDGs related to water and sanitation. At the end, Er Jaswant Singh, Honorary Secretary, Himachal Pradesh State Centre, IEI shared heartfelt gratitude to the Chairman, Speaker, Professionals, etc for their valuable contributions throughout the event.

Jammu & Kashmir

On 22 March 2024, Jammu & Kashmir State Centre, IEI observed World Water Day 2024 in Srinagar and a Seminar was organized on the theme. Er Iftikhar Ahmed Hakeem, Chairman, Jammu & Kashmir State Centre, IEI welcomed all participants and Dr Jahangeer Ali, Honorary Secretary, Jammu & Kashmir State Centre, IEI, coordinated the program. The event witnessed the presence of Chief Guest Er Ajaz Rasool, Hydraulic Engineering Expert and Guest of Honour, Er Barsharat Jeelani Kawoosa, former Chief Engineer, Jal Shakti Department, Kashmir. They shared their valuable insights on various aspects of water management and its implications for fostering peace. Dr Khalid Muzamil Gani, Assistant Professor of Environmental Engineering, Department of Civil Engineering, NIT Srinagar, highlighted the importance of sustainable water practices in conflict resolution. Er Ferdous Ahad Bhat, Honorary Joint Secretary, Jammu and Kashmir State Centre, IEI, shared his views about water conservation and peace-building initiatives. This Seminar provided a platform for participants to exchange knowledge sharing, collaboration, achieving sustainable management practices and fostering peace in the region.

Jharkhand

On 22 March 2024, Jharkhand State Centre, IEI observed World Water Day 2024 at Ranchi. Dr Mahesh Kumar Gupta, Chairman, Jharkhand State Centre, IEI welcomed the Chief Guest of the event, Er Nagesh Mishra,

Engineer-in-Chief, Water Resources Department; Guest of Honour of the event, Er Vijay Shankar, Chief Engineer, Design Master Planning and Hydrology, Government of Jharkhand; Keynote Speakers of the event Dr D K Singh, Professor & HOD, Cambridge Institute of Technology (CIT), Ranchi and Dr P N Singh, former S.E. WRD, Government of Jharkhand. Dr D K Singh in his Keynote address stressed the need on coordination between all water sector departments, educational institutions and all stake holders to change the water scenario. Dr P N Singh explained the theme 'Water for Peace' and stressed on using water with care. Er Nagesh Mishra and Dr D K Singh shared their valuable insights and motivated the participants to inspire individuals, communities and Governments to prioritize water as a tool for peace and focused on the critical role water plays in ensuring stability and prosperity of the world. At the end, Dr Manoj Kumar, Past Honorary Secretary, Jharkhand State Centre, IEI proposed the vote of thanks.

Karnataka

On 22 March 2024, Karnataka State Centre, IEI, in association with Department of Civil Engineering, Dayananda Sagar College of Engineering, Bangalore and Indian Water Works Association (IWWA), Bangalore, observed World Water Day 2024 through online mode. Er M Nagaraj, Chairman, Karnataka State Centre, IEI in his welcome address emphasized the importance of freshwater resources and urged to safeguard this for future generations. Speaker of the event, Dr N S Srinivasa Rao, Senior Consultant, Tata Consulting Engineers delivered lecture on Design of Wastewater Treatments Plants and the Reuse of Secondary Treated Water. He emphasized the importance of wastewater treatment in addressing the water crisis in Bangalore and highlighted simplicity, reliability and effectiveness of producing quality of water. He advocated for recycling and reusing wastewater as crucial solutions for the water crisis. Dr Prakash M Kulkarni, President of Bhageerath, Karnataka discussed water quality improvement in lakes. He discussed about biological restoration and creation of floating gardens for lake restoration, and potential solutions to Bangalore's water crisis. Mr Mathiyalagan, All India President of IWWA stressed the need of freshwater and advocating for its sustainable management in the light of climate change.

Kerala

On 22 March 2024, Kerala State Centre, IEI in association with St Thomas Institute for Science & Technology, Kattaikonam, Kazhakkuttam, Thiruvananthapuram observed World Water Day 2024 at Thiruvananthapuram. Er P Balakrishnan Nair, Chairman, Kerala State Centre, IEI explained the theme of the event and introduced the Chief Guest of the event, Dr Shibu Krishnan, Associate Professor, College Engineering, Thiruvananthapuram to the audience. Dr Mathew A G, Principal, St Thomas Institute of Science and Technology, Thiruvananthapuram also addressed the audience. Er Nair delivered lecture on the theme 'Water for Peace'. At the end, Er K R Suresh Kumar, Honorary Secretary, Kerala State Centre, IEI proposed the vote of thanks.

Manipur

On 22 March 2024, Manipur State Centre, IEI, observed World Water Day 2024 at Imphal. Er Swamikanta Singh L, Chairman, Manipur State Centre, IEI, welcomed the audience and explained various projects taken up to review the water resources for adequate water supply in Manipur State. He appealed to all to implement rain water harvesting at their residences and offices so that the demand of freshwater may be reduced. Chief Guest of the function, Mr Shangreiphaio Vashumwo, Chief Engineer, Public Health Engineering Department (PHED), Government of Manipur, emphasized that water is an important medium to bring peace between communities and nations worldwide and the nations must share the natural resource among themselves. He appealed to all to store and conserve water by using modern technologies and techniques. At the end, Er Thokchom Subhaschandra Singh, Honorary Secretary, Manipur State Centre, IEI, proposed the vote of thanks.

Mizoram

On 22 March 2024, Mizoram State Centre, IEI observed World Water Day 2024 at Mizoram and a Seminar was organized on 'Water for Peace'. Dr Lal Sangzela Sailo, Honorary Secretary, Mizoram State Centre, IEI welcomed the participants, explained briefly about World Water Day 2024 and introduced the Expert Panellists of the event, Dr Bhaskar Jyoti Deka, Assistant Professor, Department of Hydrology, IIT Roorkee and Er K Hamlet, Sr EE (Works), Irrigation and Water Resources Department, Government of Mizoram. Dr Deka explained the need for water treatment, water treatment systems (conventional), disinfection/advanced oxidation process, advanced oxidation technology, membrane processes and general concept of emerging Membrane Distillation (MD). Er Hamlet discussed about water resources of Mizoram, drainage map of Mizoram, way forward, etc. At the end, Prof (Dr) Saibal Chatterjee, Chairman, Mizoram State Centre, IEI proposed the vote of thanks.

Puducherry

On 22 March 2024, Puducherry State Centre, IEI, in association with IEI, Students Chapter of Sri Manakula Vinayagar Engineering College, Department of Civil and Mechanical Engineering, observed World Water Day 2024 in Puducherry and a Seminar was organized on the topic 'Leveraging Water for Peace'. Chief Guests of the event were Er R Sundaramoorthy, Executive Engineer, PWD, Puducherry and Er R Devadoss, Assistant Engineer, PWD, Puducherry. The seminar aimed to raise awareness among students about the pressing issues surrounding water conservation. It emphasized the necessity for global cooperation, presenting various means and strategies through case studies to underscore the importance of collective action. Earlier, Dr S Thirougnaname, Chairman of Puducherry State Centre delivered the welcome address. At the end, Dr Ganesan Subramanian G, Honorary Secretary, Puducherry State Centre, proposed the vote of thanks.

Punjab & Chandigarh

On 22 March 2024, Punjab & Chandigarh State Centre, IEI in association with SLIET, Longowal, observed World Water Day 2024 at Chandigarh. Dr Labh Singh Bhari, Chairman, Punjab and Chandigarh State Centre, IEI welcomed the dignitaries, guests, students and highlighted the role of telecommunication applications in achieving sustainability in water technology for world peace. Chief Guest of the event, Prof (Dr) Tara Singh Kamal, Former Vice President, IEI stressed on adopting new technologies for the welfare of humanity and nature. He emphasizing the collaborative efforts of Government agencies, NGOs, private sectors, technical institutions and society at large. Er Sukhvir Singh Mundi, Vice President, IEI highlighted the efforts of Punjab Irrigation Department in managing canal waters for agricultural purposes, which contributed the Green Revolution in India. Keynote Speakers of the event were: Prof (Dr) Dhiraj Sud, Scientist, Department of Chemistry, SLIET, Longowal and Prof (Dr) Amar Pratap Singh, Professor (ECE), SLIET, Longowal. Prof Sud spoke on water availability, scarcity, industrial and agricultural related water issues as well as emerging pollutants and associated health concerns. Dr Pharwaha emphasized the use of Artificial Intelligence in Water Management and its practical applications including Internet of Things technology. Prof (Dr) Rajesh Kumar, Dean (Students Welfare), SLIET, Longowal highlighted the efforts of SLIET Longowal in addressing water related issues and for conservation of water at Institute and in the surrounding villages. At the end, Er Swinder Singh, Honorary Secretary, Punjab & Chandigarh State Centre, IEI proposed the vote of thanks.

Tripura

On 22 March 2024, Tripura State Centre, IEI, in association with Public Works Department (Drinking Water & Sanitation), Government of Tripura observed World Water Day 2024 at Agartala and organized a Seminar on the theme. Dr Subhadeep Bhattacharjee, Chairman, Tripura State Centre, IEI, presided over the programme. Hon'ble Justice Shri Arindam Lodh, Hon'ble Judge, High Court, Tripura, graced the occasion as the Chief Guest. He focused on the necessity of clean drinking water, which is a fundamental right of

every citizen as rules framed by the Supreme Court and stated that the state is duty-bound to provide it. He emphasized that the people have the basic rights to access to drinking water for their basic needs. Special Guest of the event, Er Shyam Lal Bhowmik, Chief Engineer, Public Works Department (Drinking Water & Sanitation), Government of Tripura, explained the aims of Jal Jeevan Mission to provide tap water supply to the rural households in adequate quantity and quality. He highlighted the achievements made by Tripura in providing water connection to remote areas. Special Speakers of the event, Er Rajib Majumder, Director, WSSO, PWD (DWS), Government of Tripura, discussed the current scenario and challenges associated with water supply and Shri Mrinmoy Majumder, Associate Professor in Hydro Informatics, NIT Agartala, discussed about optimal management of water vulnerabilities, traditional methods for water conservation and different low-cost filtration techniques for water purification. At the end, Dr Mrinal Kanti Deb Barma, Honorary Secretary, Tripura State Centre, IEI, proposed the vote of thanks.

Uttar Pradesh

On 22 March 2024, Uttar Pradesh State Centre, IEI, observed World Water Day 2024 at Lucknow. Er Satya Prakash, Chairman, Uttar Pradesh State Centre, IEI, welcomed the participants. The event witnessed the presence of Er V B Singh, Former Vice President, IEI; Er Masarrat Noor Khan, Immediate Past Chairman, Uttar Pradesh State Centre, IEI; Mr Sudhir Kumar Verma, SCC Member; Er Ashok Kumar Singh, Former Engineer-in-Chief, Irrigation Department; Er Ashok Agrawal, Engineer-in-Chief, PWD; Mr Ashish Kumar, General Secretary, UPPEA and Dr Ashish Srivastava, Former Chancellor, Dr Rajendra Prasad Agricultural University, Pusa. Keynote Speaker of the event, Dr Manish Rameshchandra Ranalkar, Scientist-F and Head, Meteorological Centre, Lucknow, discussed about climate crisis, disruptive weather pattern, jeopardizing water security on a global scale and impact on water resources like devastating floods to encroaching sea levels, vanishing ice fields to raging wildfires, droughts, etc. He emphasized on Sustainable Water Management for reducing carbon emissions, safeguarding ecosystems. He stressed the need of sustainable development, biodiversity, access to water, sanitation. He invited all to build up a future where water is cherished, protected and harnessed as a force for resilience and renewal in the face of climate crisis. At the end, Dr Jaswant Singh, Past Honorary Secretary, Uttar Pradesh State Centre, IEI, proposed the vote of thanks.

West Bengal

On 22 March 2024, West Bengal State Centre, IEI, observed World Water Day 2024 at Kolkata. The theme emphasizing the integral role water plays in encouragement of global peace and sustainable development, calls for a re-evaluation of our approach to water resources, recognize water as a potential catalyst for peace building amongst nations and by working together to balance human rights and needs. Prof (Dr) Raju Basak, Chairman, West Bengal State Centre, IEI, delivered the welcome address. Prof (Dr) Heleena Sharma, Associate Professor and HOD, Department of Civil Engineering, Techno India University, delivered lecture on the significance of the theme. Prof (Dr) Anirban Gupta, Professor, Department of Civil Engineering, Indian Institute of Engineering Science and Technology Shibpur, explained the value of water, importance of conservation of water and its sources and challenges to mitigate global water crisis in future. At the end, Er Anirban Datta, Honorary Secretary, West Bengal State Centre, IEI, proposed the vote of thanks.

LOCAL CENTRES

Agra

Agra Local Centre, IEI observed World Water Day 2024 on 31 March 2024 at Agra. Er Devendra Singh Chaudhary, Past Chairman, Agra Local Centre, IEI presided over the function. Er Rajnesh Kumar Yadav, Honorary Secretary, Agra Local Centre, IEI welcomed the guests and participants. Keynote Speakers of the event were Er Padam Goutam, Senior Software Engineer, Gurugram, Haryana; Er Rajnish Kumar Tiwari, Assistant Professor, Dr B R

Ambedkar University, Agra; Er Anurag Kulshreshtha, Associate Professor, RBS Engineering Technical Campus, Agra. Er Padam Goutam explained the role of water in encouraging global peace and sustainable development worldwide. Er Devendra Singh Chaudhary, explained the significance of the day, which serves as a platform to inspire individuals, communities and Government to prioritize water as tool for peace and ensuring stability and prosperity of the world. Er V K Gupta, Former Assistant Professor, Anand Engineering College, Agra opined that water can be the stabilizing force and catalyst for sustainable development.

Aligarh

On 22 March 2024, Aligarh Local Centre, IEI observed World Water Day 2024 at Aligarh. Dr (Mrs) Salma Shaheen, Chairman, Aligarh Local Centre, IEI delivered the welcome address. Chief Guest of the event, Er Mohammad Ahsan Former Superintending Engineer, UP Jal Nigam, Aligarh shared his valuable insights on World Water Day and explained its significance. Guest of the Honour of the event, Er Sudhir Pandey, Senior Manager, Ion Exchange India Limited, Aligarh shared his views on water. He explained the characteristics and types of water and impurities commonly found in water, water related challenges to different regions and proposed solutions to address these issues. Speaker of the event, Dr Arshad Husain, Associate Professor, University Polytechnic, Aligarh Muslim University, Aligarh delivered the thematic address.

Alwar

On 22 March 2024, Alwar Local Centre, IEI observed World Water Day 2024 at Alwar on the theme 'Water for Peace'. Er Ashok Kumar Gupta, Chairman, Alwar Local Centre, IEI welcomed the participants. Chief Guest of the event, Er Lalit Karol, Additional Chief Engineer. Public Health Engineering Department, Jaipur, Rajasthan focussed on rapid decrease of water level due to continuous exploitation of water and suggested judicious use of water. Keynote Speaker of the event, Dr Yogesh Manat, Senior Hydrologist, Ground Water Department, Bharatpur stressed the need of water harvesting systems in all places like factories, homes, offices, schools, etc so that water level can be increased. Mr Subhash Chandra Joshi, Former Chairman of Alwar Local Centre shared his views on World Water Day. At the end, Er R C Sharma, Honorary Secretary, Alwar Local Centre, IEI proposed the vote of thanks.

Amravati

On 22 March 2024, Amravati Local Centre, IEI, in association Indian Water Works Association, Amravati Centre, observed World Water Day 2024 at Amravati and a One Day Seminar was organized on 'Recent Trends in Water and Waste Water Management'. Er Anand Wamanro Jawanjali, Chairman, Maharashtra State Centre, IEI welcomed the guests and attendees. The event Jaldindi procession was inaugurated by Mr Devidas Pawar, Commissioner, Municipal Corporation, Amravati. Keynote Speaker of the event, Dr Sudhir Bhongade, Water Expert & Freelance Journalist, Pune, delivered lecture on the theme 'Water for Peace'. During the technical session, there were technical presentations on 'Shape of Future Drinking Water Treatment' by Dr Vasant Mhaisalkar, former Professor, Environment Engineering, VNIT, Nagpur; 'Tools and Techniques for Water Quality Monitoring' by Dr G K Khadse, Senior Principal Scientist, CSIR, NEERI, Nagpur; 'Sustainable Waste Water Treatment System for Urban Set up' by Dr Girish Pophali, Chief Scientist, NEERI, Nagpur and 'Current Technological Trends and Road Ahead for Urban Water Supply and Waste Water Management' by Er Vikrant Joshi, AVP, Ceinsys Tech Limited, Nagpur.

Aurangabad

On 22 March 2024, Aurangabad Local Centre, IEI observed World Water Day 2024 at Aurangabad. Prof (Dr) Ulhas Bhanudasrao Shinde, Chairman, Aurangabad Local Centre, IEI welcome the Chief Guest and Keynote

Speaker of the event, Dr Avinash Garudkar, Professor & Head, Faculty of Engineering, WALMI, Aurangabad and the participants. Dr Garudkar explained the importance of water resources and the effect of environmental factors on water resources. He emphasized the importance of water and how we can diligently manage the natural resources in future. He discussed about the importance of river system, drainage networking, interlinking of river, clean and safe drinking water, disposal of waste water, safe storage of water, etc and how to stop unnecessary wastage of water. At the end, Er K M I Sayyad, Honorary Secretary, Aurangabad Local Centre, IEI proposed the vote of thanks.

Bareilly

On 22 March 2024, Bareilly Local Centre, IEI, observed World Water Day 2024 at Bareilly and a Seminar was organized on the theme. Er Pradeep Kumar Madhwar, Honorary Secretary, Bareilly Local Centre, IEI, delivered the opening remarks and conducted the proceedings. Er Raj Goel, Chairman, Bareilly Local Centre, IEI welcomed all and emphasized the importance of the day. He mentioned that clean water is not merely a basic human right, but also essential for sustainable development and conflict prevention. He underscored the importance of preserving this invaluable resource to ensure a peaceful and prosperous future for all. Speaker of the event, Er D N Yadav, GM, Vadilal Industries Limited, Bareilly, mentioned that water holds power to unite, it is a common thread, weaving through the fabric of global peace and collaborate to ensure equitable access, sustainable management, etc towards harmony, prosperity and resilience for present and future generations; Er Sudhir Kumar Gupta, Past Chairman, Bareilly Local Centre, IEI, and Er Suresh Chandra Sudnrani, Past Chairman, Bareilly Local Centre, IEI, also shared their views. At the end, Er Pradeep Kumar Madhwar proposed the vote of thanks.

Bokaro Steel City

On 22 March 2024, Bokaro Steel City Local Centre, IEI observed World Water Day 2024 at Bokaro. Er Bijay Kumar Prasad, Chairman, Bokaro Steel City Local Centre, IEI welcomed the participants and explained the challenges and opportunities being faced across the globe regarding fresh water. He discussed the UN-SDG 6 to ensure access to water and sanitation for all. Chief Guest of the event, Mr P K Baisakhiya, Chief General Manager (Maintenance & Utilities), SAIL, Bokaro Steel Plant in his inaugural address explained the importance of sustainable availability of water. He requested the audience to exchange ideas about conservation of water in daily life. During the technical session, Mr Lambodar Upadhyaya, GM/TE-Water Supply of (SAIL, Aeokaro Steel Plant) proposed a CAMEL Model to Cooperate, Accept, Monitor, Explore and Look ahead by Humanity to solve the water crisis. Nitesh Ranjan, AGM/Environment Conservation & Sustainability, SAIL/Bokaro Steel Plant presented paper on various technologies being adopted by Industries for water Treatment including water characterization, Physical treatment, Chemical treatment & Biological treatment of waste water. He discussed various environmental laws pertaining to water and MBR, MBBR and SBR technologies being adopted for sewage treatment across India. At the end, Er Harihara Rout, Honorary Secretary, Bokaro Steel City Local Centre, IEI proposed the vote of thanks.

Bhatinda

On 22 March 2024, Bathinda Local Centre, IEI, observed World Water Day 2024 through online mode. Er Kartar Singh Brar, Chairman, Bathinda Local Centre, IEI, welcomed the guest, speakers and all the participants. Speaker of the event, Dr Anil Mehta, Central Team Member, Paryavaran, Sanrakshan Gatividhi (PSG), National Co Head of Jal Upakaram focused on creating awareness about the importance of water and its conservation for life by adopting simple ways for each person. Chief Guest of the event was Dr Ranjit Kaur, Professor and Head, ECE and Dean, Director (International Affairs), Punjabi University, Patiala. The event witnessed the presence of Prof (Dr) Jagtar Singh, Former Chairman, Bathinda Local Centre, IEI. At the end, Dr Harsimran Singh, Honorary Secretary, Bathinda Local Centre, IEI, concluded the webinar by thanking all the participants.

Bhimavaram

On 22 March 2024, Bhimavaram Local Centre, IEI, in association with Department of Computer Science and Design, S R K R Engineering College, Bhimavaram, observed World Water Day 2024 at Bhimavaram. Prof Karnam Suresh Babu, Chairman, Bhimavaram Local Centre, IEI, welcomed the Chief Guest and theme speaker, Dr P A R K Raju, Professor-Dean-R&D, SRKR Engineering College, Bhimavaram Prof (Dr) K Brahma Raju, Council Member, IEI, delivered Keynote address on the occasion. At the end, Prof Nookala Gopala Krishna Murthy, Honorary Secretary, Bhimavaram Local Centre, IEI, proposed the vote of thanks.

Coimbatore

On 25 March 2024, Coimbatore Local Centre, IEI, in association with Agricultural Engineering College and Research Institute (AEC&RI), Tamilnadu Agricultural University (TNAU), Coimbatore, observed World Water Day 2024 at Coimbatore. Prof (Dr) Krishnamoorthi J, Chairman, Coimbatore Local Centre, IEI, welcomed the Guest Speaker, Dr S Pazhanivelan, Director, Centre for Water and Geospatial Studies, Tamilnadu Agricultural University, Coimbatore. Dr Pazhanivelan discussed about the gaps and issues related to Indian water resources and its impact on climate changes on water resources. He explained water resource monitoring using satellites and drones, climate resilient water management practices, using of field water tubes for effective IWM under SRI and focused on surface water storage technologies; water spread analysis, impact of water spread on crop intensity and groundwater recharge by sediment filtering system through borewell. Dr A Raviraj, Dean (Agricultural Engineering), AEC&RI, TNAU and Dr Balaji Kannan, Professor (SWCE) and Head, Department of Physical Sciences and Information Technology, AEC&RI, TNAU, were present on the occasion and addressed the audience. At the end, Prof (Dr) Madhan Mohan Gopalasamy, Honorary Secretary, Coimbatore Local Centre, IEI, proposed the vote of thanks.

Dharwad

On 22 March 2024, Dharwad Local Centre, IEI observed World Water Day 2024 and 30th Belekunday Memorial Lecture in Dharwad. Dr Veerappa Hawaldar, Chairman, Dharwad Local Centre, IEI presided over the function. He emphasised on the service level benchmarks, regarding quality, quantity, reuse, recycle and conservation of water bodies. Er Ramesh D Kashinkunti, Technical Director, WaterFirst Consulting Firm, Bangalore Private Limited and Former Chief Engineer, Water District Northwest, Ohio, graced the occasion as the Chief Guest. He appealed to the audience to conserve, optimize and reuse the water and prepare for extreme weather conditions. He emphasised on capacity building, eliminating the cycle of building, neglect and rebuild and stressed that water can be a catalyst for peace if managed wisely. At the end, Er Srihari K H, Honorary Secretary, Dharwad Local Centre, IEI propose the vote of thanks.

Durgapur

On 22 March 2024, Durgapur Local Centre, IEI observed World Water Day 2024 at Durgapur on the theme 'Water for Peace'. The event witnessed the presence of Dr Hirok Chaudhuri, Associate Professor, Department of Physics, National Institute of Technology Durgapur and Mr Somasish Saha, Manager, CO & CC, Durgapur Steel Plant, Durgapur as Guest of Honours. Dr Arup Kumar Mandal, Joint Honorary Secretary, Durgapur Local Centre, IEI welcomed the august gathering and highlighted the importance of the day to serve as a platform in raising awareness about the contributions of engineering to society and to inspire the future generation of engineers. Prof (Dr) Chandan Koner, Chairman, Durgapur Local Centre, IEI delivered the welcome address and explained the theme of the event. He emphasized in raising awareness about the crucial role of engineering in promoting sustainable development. Mr Somasish Saha discussed about water wastage scenario especially in industry and stressed to reuse the industrial wastewater by purification in the plant. He highlighted the innovations adopted by Durgapur Steel Plant in utilizing wastewater of Coke Oven Batteries. Dr Chaudhuri explored the current status of water pollution by

industrial effluent, antibiotic contamination and radioactive elements leaching into ground water. He gave an overview of the water pollution status in Damodar River Basin. At the end, Dr Arup Kumar Mandal proposed the vote of thanks.

Erode

On 22 March 2024, Erode Local Centre, IEI, in association with Velalar College of Engineering and Technology, observed World Water Day 2024 at Erode. Prof (Dr) Kumaravelan Radhakrishnan, Chairman, Erode Local Centre, IEI welcomed the attendees. Speaker of the event Dr E S Karthy, Founder and Managing Director, AWE CARE Analytical & Research Laboratories, Erode delivered lecture on 'Wastewater Reclamation, Reuse and Regulations'. He discussed briefly about technological innovation in wastewater reclamation, promoting wastewater reuse, key components of wastewater regulations. He shared his valuable insights about the wastewater management and emphasized the importance of collaborative efforts in addressing water scarcity and achieving Sustainable Development Goals (SDGs). At the end, Prof (Dr) C N Marimuthu, Honorary Secretary, Erode Local Centre, IEI proposed the vote of thanks.

Faridabad

Faridabad Local Centre, IEI, in association with Manav Rachna International Institute of Research and Studies, Faridabad, observed World Water Day 2024 on 19 March 2024 at Faridabad. Er Kuldip Raj Gupta, Chairman, Faridabad Local Centre, IEI, delivered the welcome address and highlighted the importance of the day. Er Sushil Bajaj, Consulting Design Engineer & Management Consultant and Dr Pradeep Kumar Dimri, Chairperson, Electronics Engineering Department, J C Bose University of Science & Technology (YMCA), Faridabad, graced the occasion as Expert Speakers. Er Bajaj explained the importance of water and the concept of 'Water of Peace'. Dr Dimri explained the challenges faced by the society with regard to water and stressed the need of water for future generation, gave a remarkable connection with sustainable water consumption. Er Inderdeep Singh, Honorary Secretary, Faridabad Local Centre, IEI, proposed the vote of thanks.

Ghaziabad

Ghaziabad Local Centre, IEI, observed World Water Day 2024 at Ghaziabad on 21 March 2024. Dr Satish Chandra Gupta, Chairman, Ghaziabad Local Centre, IEI, welcomed all and urged to create an awareness for judicious use of water in our daily life. Chief Guest of the event, Er Vijendra Vikramaditya, former Chief Engineer, UP Jal Nigam highlighted the policies of different countries for sharing rivers and water bodies and peaceful solution of water. Er R R Tanwar, Council Member, IEI, explained various activities of IEI. Dr B C Sharma, Director, Raj Kumar Goel Institute of Technology, Ghaziabad, shared his valuable insights about scarcity of water in hills and stressed the need of using of technology in water management. Dr Laxman Prasad, Group Advisor, Raj Kumar Goel Institute of Technology, Ghaziabad, emphasized the critical importance of water and advocated for its conservation in daily life, urging against wasteful practices. At the end, Er Punit Goel, Honorary Secretary, Ghaziabad Local Centre, IEI, proposed the vote of thanks.

Gorakhpur

On 22 March 2024, Gorakhpur Local Centre, IEI, observed World Water Day 2024 in Gorakhpur and a Seminar was organized on the theme. Er Pawan Kumar Mishra, Chairman, Gorakhpur Local Centre, IEI, welcomed the Chief Guest of the event, Er R P Tiwari, Former Engineer-in-Chief & HoD, Department of Irrigation, Uttar Pradesh; Guests of Honour of the event, Er G N Pandey, Former Engineer-in-Chief (Mechanical), Department of Irrigation, Uttar Pradesh, Er Dinesh Singh, Superintending Engineer, Uttar Pradesh Irrigation, Er Alok Kumar, Superintending Engineer, Uttar Pradesh Irrigation & Er J B Rai, President, Malviya Alumni Association, Gorakhpur and Keynote Speaker Er M P Kandoi, Former Superintending Engineer, Irrigation Department, Uttar Pradesh. Er Kandoi suggested to re-evaluate our relationship with water and to work together in the spirit of partnership

and solidarity to address the challenges of water systems. Er Pandey, Er Dinesh Singh, Er Alok Kumar, Er Dharendra Chaturvedi, Former, Chairman, Gorakhpur Local Centre, IEI and Er V K Srivastava, Former Honorary Secretary, Gorakhpur Local Centre, IEI, shared their valuable insights on the water and the planet. They called for collective responsibility in bringing about meaningful change towards a future where rivers of peace flow freely, nourishing the hearts and minds of all humanity. Er Tiwari urged the Governments, Civil Society Organizations, individuals, etc to prioritize water security and to invest in sustainable water practices. He emphasized the need in solving the water related conflicts and building resilient communities and creating a world where water is a source of unity and every individual enjoys the fundamental human right to access clean and safe water. At the end, Er Ramesh Chandra Pandey, Honorary Secretary, Gorakhpur Local Centre, IEI, proposed the vote of thanks.

Gwalior

On 22 March 2024, Gwalior Local Centre, IEI, observed World Water Day 2024 at Gwalior. Er Radha Kishan Khetan, Chairman, Gwalior Local Centre, IEI, welcomed the members and highlighted the importance of fresh water. He advocated for the sustainable management of freshwater resources. Dr S K Agrawal, former Professor and HoD, Department of Mechanical Engineering, Jaypee University of Engineering and Technology (JUET), GUNA emphasized the importance of both water conservation and the prevention of its misuse. He opined that water can be a tool for peace, when communities and countries collaborate to manage this shared resource effectively. He spoke that water is not only a resource to be used but it is a human right, intrinsic to every aspect of life. Er Rajendra Singh, Consultant, World Bank emphasized the role of water in encouraging global peace and sustainable development. He advocated the day for sustainable management of freshwater resources. Er Naresh Nangariya, Section Coordinator, BPCL, explained the theme and stressed the need of cooperative efforts to manage and distribute resources equitably and that access to clean water is a fundamental human right by promoting fair and transparent water governance. Er K K Saraswat, former Civil Engineer of the Irrigation Department discussed about water scarcity, pollution, unequal access and opined that this theme calls for evaluation of our approach to water resources. Er U S Pandey, super annuated from PWD Works focused on water to create peace and stressed the need among the countries to united together for protecting and conserving this precious resource.

Indore

On 28 March 2024, Indore Local Centre, IEI observed World Water Day 2024 at Indore. Guest of Honour of the event was Dr Rakesh Saxena, Director, SGSITS, Indore. Speakers of the event were Mr Suresh MG, Nagrath Charitable Trust, Indore; Dr Sandeep M Narulkar, HoD & Professor, Civil Engineering and Applied Mechanics Department, SGSITS, Indore and Er Priyanshu Kumath, IIT Bombay. Prof (Dr) Ms Shilpa Tripathi, Council Member, IEI was also present on the occasion. Er Ramesh Singh Chouhan, Honorary Secretary, Indore Local Centre, IEI welcomed the guests and speakers. Er R P Gautam, Immediate Past Chairman, Indore Local Centre and Convener of the event briefed about the day. The speakers expressed concern about the increasing water crisis and stressed on save water, reuse of waste water etc.

Jammu

On 22 March 2024, Jammu Local Centre, IEI, observed World Water Day 2024 at Jammu. Chief Guest of the event was Shri Ramesh Kumar, IAS, Divisional Commissioner, Jammu and Guest of Honour of the event was Er Hamesh Manchanda, Chief Engineer, Jal Shakti (PHE) Department, Jammu. Prof (Dr) Ms Bhawna Sharma, Chairperson, Jammu Local Centre, IEI, in her welcome speech, opined that public health, prosperity, food systems, energy, economic productivity and environmental integrity are all hinged on a well-managed water cycle. She emphasized the urgent need for individuals for bringing about meaningful change by changing water consumption patterns and management practices. Chief Guest, Shri Ramesh Kumar appreciated

the role of IEI in spreading awareness on water conservation and making all endeavours towards the society at large in Jammu & Kashmir towards sustainable development. Er Sachin Tickoo, Honorary Secretary, Jammu Local Centre, IEI, emphasized that water is not only to be used as a resource but can compete over as a human right, intrinsic to every aspect of life. He stressed the need to unite around water and use water for peace, laying the foundations for a prosperous tomorrow. At the end, Er Sachin Tickoo, proposed the vote of thanks.

Jabalpur

On 22 March 2024, Jabalpur Local Centre, IEI observed World Water Day 2024 at Jabalpur. Brig Vipin Kumar Trivedi, Chairman, Jabalpur Local Centre, IEI and Dr Rajeev Jain, Honorary Secretary, Jabalpur Local Centre, IEI welcomed the guests. Prof (Dr) Narendra Kumar Gontia, Former Vice Chancellor, Agriculture University, Junagarh, Gujarat graced the occasion as Chief Guest and Mr Vinod Sharma, Founder President, Jal Sanrakshan Manch, Jabalpur graced the occasion as Guest Speaker. Prof Gontia highlighted the continuous decreasing level in underground water and stressed the need to increase the groundwater level to make the country self-reliant. He emphasized on making Jal – Jeevan Mission by Government of India meaningful to solve the problems of water by providing water to every household. Mr Vinod Sharma stressed the need to stop water pollution on a priority basis so that benefit of water resources can be obtained. He emphasized the need to accelerate change to ensure sustainable development and the wise use of natural resources. At the end, Dr Rajeev Jain proposed the vote of thanks.

Jodhpur

On 22 March 2024, Jodhpur Local Centre, IEI in association with UltraTech Cement observed World Water Day 2024 at Jodhpur. Er M M Agarwal, Chairman, Jodhpur Local Centre, IEI welcomed the Keynote Speaker of the event, Acharya (Er) Daria Singh, Former Chairman, Board of Technical Education, Rajasthan. He highlighted the alarming situation of global warming all over the world that leads to shortage of resources including scarcity of water pollution in air, degradation of land. He stressed on conservation of precious resources and minimize the water crisis to empower the country. At the end, Er Resham Ram Hooda, Honorary Secretary, Jodhpur Local Centre, IEI proposed the vote of thanks.

Kakinada

On 22 March 2024, Kakinada Local Centre, IEI observed World Water Day 2024 at Kakinada and organized a lecture on the theme 'Water for Peace'. Speaker of the event, Prof (Dr) Malothu Ramesh, Chairman, Kakinada Local Centre delivered lecture on the theme and stressed the need of Sustainable Development Goals (SDGs), which ensures availability and sustainable management of water for all by 2030. He further explained the importance of safe water and human rights to water.

Kalaburagi

Kalaburagi Local Centre, IEI observed World Water Day on 04 April 2024 at Kalaburagi. Dr Sridhar R Pande, Chairman, Kalaburagi Local Centre, IEI presided over the function. Er Shashil G Namoshi, MLC, Government of Karnataka and President of HKE Society graced the occasion as the Chief Guest. Speaker of the event, Prof Manjunath D, Assistant Professor, Faculty of Engineering and Technology, KBN University, Kalaburagi delivered lecture on the theme. At the end, Er Seetharam Munnur, Honorary Secretary, Kalaburagi Local Centre, IEI proposed the vote of thanks.

Kanyakumari

On 22 March 2024, Kanyakumari Local Centre, IEI observed World Water Day 2024 at Kanyakumari and a Seminar was organized on the theme 'Water for Peace'. Er S Bright Selvin, Chairman, Kanyakumari Local Centre, IEI welcomed all the participants and delivered Presidential Address and explained the importance of water conservation. He called for collective responsibility in bringing meaningful change and for achieving water

conservation. Keynote Speakers of the event, Er S Natarajan, Former Chief Engineer, PWD and Dr J Prakash Arul Jose, Principal, Annai Engineering College, Kambakonam shared their valuable insights in fostering harmony and sustainability through water conservation. Er Natarajan, discussed the significance of water conservation, various techniques for rainwater harvesting and its pivotal role in societal harmony.

Kanpur

On 22 March 2024, Kanpur Local Centre, IEI, in association with the Department of Civil Engineering, HBTU, Kanpur, observed World Water Day 2024 through online mode. Dr Mukesh Kumar Singh, Chairman, Kanpur Local Centre, IEI, welcomed the Theme Speaker of the event, Er Shivani Koshtha, Assistant Professor, Department of Civil Engineering, HBTU, Kanpur. Er Koshtha, in her lecture, focused on water scarcity, pollution and inequitable water access, which causes significant threats to global stability and security, disputes among nations over water sharing, resource scarcity etc. She recognized water as a fundamental human right, nations can foster cooperation, dialogue, trust building mechanisms that pave the way for peaceful co-existence. He stressed on adopt on of holistic water management approaches to balance the needs of ecosystems, communities and economies. Through sustainable practices, he envisioned a future where water becomes a symbol of peace, unity, prosperity, and sustainability for future generations. At the end, Er Ram Autar Dixit, Honorary Secretary, Kanpur Local Centre, IEI, proposed the vote of thanks.

Kochi

On 22 March 2024, Kochi Local Centre, IEI observed World Water Day 2024 at Kochi on the topic 'Leveraging Water for Peace'. Er Velayudhan Nair G, Chairman, Kochi Local Centre, and Council Member, IEI delivered the welcome speech. Prof (Dr) G Madhu, Council Member, IEI introduced the Speaker of the event, Prof (Dr) M M Prabhakaran, Chief Consultant, Saras Engineering & Environ Consultants, Maradu and Former Executive Engineer, Kerala Water Authority, Former Principal, AACET, Thodupuzha. He explained the importance of water conservation and meticulously linked water conservation efforts to the achievement of UN-SDGs. He highlighted the benefit of water not only for human survival but also for agriculture, industry and ecosystems. He underscored the urgent need for water conservation measures for facing the challenges of water scarcity and pollution adopting various strategies and technologies that can be employed to conserve water resources. He stressed the need for access to clean and safe water for all, which impacts on health, education and economic prosperity. At the end, Er T C Prasanth, Honorary Secretary, Kochi Local Centre, IEI expressed gratitude the Speaker for sharing his valuable insights.

Kollam

Kollam Local Centre, IEI, in association with Kerala State Council for Science, Technology and Environment; The Kerala Minerals & Metal Limited, Chavara, Kollam; IRE (India) Limited; TKM College of Engineering, Kollam and TKM Institute of Technology, Karuvellil, Kollam, observed World Water Day 2024 on 23 March 2024 in Kollam. Er Shajahan A, Convenor of the event & Executive Committee Member, Kollam Local Centre, IEI, delivered the welcome address. Dr Madusoodanan Pillai K, Chairman, Kollam Local Centre, IEI, presided over the event. Dr P K Gopan, President, Jilla Panchayath, Kollam, graced the occasion as the Chief Guest and delivered thought provoking lecture about the importance of water and how it could be conserved for future. During the technical session, Dr P Harinarayanan, Senior Principal Scientist, Kerala State Council for Science Technology and Environment (KSCSTE), Kerala, discussed briefly on leveraging water for peace and climate change scenario, water as a tool for peace, extreme impacts by natural disasters, Sustainable Development Goals, etc; Mrs Saritha S, Senior Scientist, Central Ground Water Board, described the ground water scenario in Kerala, ground water movement and Dr Sudheer Padikkal, GM, Kerala Irrigation Infrastructure Development Corporation, discussed about water conflicts, interstate river water sharing agreements, water conservation initiatives, etc. At the end, Prof (Dr) Ms Sudhi Mary

Kurian, Honorary Secretary, Kollam Local Centre, IEI, proposed the vote of thanks.

Kozhikode

On 22 March 2024, Kozhikode Local Centre, IEI observed World Water Day 2024 at Kozhikode. Dr Gireesan P, Chairman, Kozhikode Local Centre, IEI presided over the function and explained the importance of the day. Er M Pramod Kumar, Honorary Secretary, Kozhikode Local Centre, IEI welcomed the audience. Speaker of the event, Dr George K Varghese, Associate Professor, Department of Civil Engineering, NIT Calicut delivered lecture on the topic 'Water for Peace' and explained about water stress and developing a global approach to water as a resource. At the end, Er C Jayaram, Committee Member, Kozhikode Local Centre, IEI proposed the vote of thanks.

Madurai

On 22 March 2024, Madurai Local Centre, IEI observed World Water Day 2024 at Madurai and a seminar was organised on the theme. Er M Dhanabalan, Former Chief Engineer, Tamilnadu Water Supply and Drainage Board (TWAD), Tamilnadu, graced the occasion as the Chief Guest. Prof (Dr) P Udhaya Kumar, Chairman, Madurai Local Centre, IEI, delivered the welcome address. The day focused on the achievement of Sustainable Development Goal 6: water and sanitation for all by 2030 and highlighted the role of water for maintaining peace, pollution of water, impact of climate change, etc and to take active measures in conserving our precious water resources by working together as water is a fundamental human right and essential for sustainable development. At the end, Er A T Baskar, Honorary Secretary of Madurai Local Centre, proposed the vote of thanks.

Mangalore

On 26 March 2024, Mangalore Local Centre, IEI observed World Water Day 2024 at Mangalore. Er Umesh Bhat K V, Chairman, Mangalore Local Centre, IEI presided over the function. Er Chinnagiri Gowda H C, Honorary Secretary, Mangalore Local Centre, IEI welcomed the gathering and introduced the Chief Guest and Theme speaker, Er Dr Rajesh Gratian D'Souza, Principal, Yenepoya Institute of Technology, Moodbidri.

Meerut

On 22 March 2024, Meerut Local Centre, IEI observed World Water Day 2024 at Meerut. Er Subhash Chandra Mittal, Honorary Secretary, Meerut Local Centre, IEI discussed about water disputes among the countries, and highlighted the importance of water for peace. Keynote speaker, Dr Rup Narayan, Professor of Ecology, CCS University, Meerut discussed the gap between water availability and its demand in agriculture, industries and other anthropogenic activities, which may disturb the peace across different states and countries. He emphasized on implementing different initiatives, such as encouraging drip irrigation, pipe water supply and Jal Shakti Mission to mitigate challenges of global climate and water scarcity. He spoke about water pollution both on surface and underground.

Nagpur

Nagpur Local Centre, IEI in association with Association of Consulting Civil Engineers, Nagpur Centre and Paryavaran Pratham (NGO) observed World Water Day on 21 March 2024 in Nagpur and 4th Dr A G Bhole Memorial Lecture was delivered by Dr Gajanan Khadse, Senior Principal Scientist, CSIR-NEERI, Nagpur on the topic 'Water Quality and Present Challenges'. Er Satish Sambhaji Raipure, Chairman, Nagpur Local Centre, IEI welcomed the guests, dignitaries, invitees and senior members and acknowledged the contributions of Dr A G Bhole for the development of Nagpur Local Centre, IEI. Dr Apurup Adawadkar, President, Paryavaran Pratham shed light on various aspects of water and the importance of the theme of the event. Dr Gajanan Khadse, while delivering the memorial lecture, emphasized on water quality aspect in order to address the conflicts arising from water and shared details of water quality related projects being taken up by CSIR-NEERI. At the end, Er Mahesh Rajaram Shukla, Honorary Secretary, Nagpur Local Centre, IEI proposed the vote of thanks.

Navi Mumbai

On 22 March 2024, Navi Mumbai Local Centre, observed World Water Day 2024 at Belapur. Dr Nilajkumar Najukrao Deshmukh, Chairman, Navi Mumbai Local Centre, IEI delivered the welcome Address and explained the importance of World Water Day. Dr Mohan B Dagaonkar, Former Council Member, IEI and Past Chairman, Maharashtra State Centre, IEI explained the importance of water conservation in our daily life. Mr K K Varkhedkar, Past Chairman, Navi Mumbai Local Centre, IEI and Er Prabhakar Shanjkarrao Phulari, Honorary Secretary, Navi Mumbai Local Centre, IEI were also present on the occasion.

Neyveli

Neyveli Local Centre, IEI, observed World Water Day 2024 on 30 March 2024 at Neyveli. Er Appavu Eraniyan, Honorary Secretary, Neyveli Local Centre, IEI and Chief General Manager, NLC India Limited delivered the welcome address. Er Shaji Jose, Chief General Manager, Unit Head, NLC India Limited, was present on the dais. Er M Sudheer Kumar, Head of Operations, Water & Waste Water Industry, Tecton Engineering and Construction, Chennai, delivered lecture on the theme 'Water for Peace'. Guest of Honour of the event was Er Siva Shankar Ekambaram, Vice President, Environmental Engineering Division, Tecton Engineering and Construction, Chennai. The event highlighted on water cycle, recycle opportunities and applications, technologies to deploy, water shortage, etc. It was suggested in reduction on demand of fresh water and adoption of the strategy at the local level for sustainability through recycling and reuse.

North Bengal

On 22 March 2024, North Bengal Local Centre, IEI, observed World Water Day 2024 at Jalpaiguri. Er Shrayasi Datta, Honorary Secretary, North Bengal Local Centre, IEI, delivered the welcome address. Speaker of the event, Er Subrata Das, Member, North Bengal Local Centre, IEI, focused on the water availability per person per capita and its reducing trend. He highlighted the directives from Ministry of Housing and Urban Affairs under Jal Jeevan Mission regarding water supply to the urban areas and rural areas. Er G K Panda, Er G Bairagi, Er Santanu Das, Er Subhas Barman, Er Sandipan Ganguly, Er Prithwish Roy from North Bengal Local Centre shared their views. At the end, Prof (Dr) Amitava Ray, Chairman, North Bengal Local Centre, IEI, proposed the vote of thanks.

Palghat

On 22 March 2024, Palghat Local Centre, IEI observed World Water Day 2024 at Palakkad. Er Rajesh Menon B, Honorary Secretary, Palghat Local Centre, IEI welcomed the members. Er A V Rajappan, Chairman, Palghat Local Centre, IEI presided over and explained the theme of the event. Dr Nisha A S, Honorary Joint Secretary, Palghat Local Centre, IEI introduced the Guest Speaker, Dr Sudheer Padikkal, General Manager, Kerala Irrigation Infrastructure Development Corporation, Government of Kerala. Dr Padikkal delivered lecture on the theme and emphasized the integral role water plays in promoting global peace and sustainable development. He spoke on water sharing disputes between States in India and various inter-state water sharing projects. He explained about decision making tools for sustainable water sharing and spoke about water conservation. He mentioned the relevance of rain water harvesting, pollution control, recharging of ground water, ground water management, Integrated Water Resources Management (IWRM), etc. At the end, Prof (Dr) Pradip C, Immediate Past Honorary Secretary, Palghat Local Centre, IEI proposed the vote of thanks.

Roorkee

On 22 March 2024, Roorkee Local Centre, IEI in association with National Institute of Hydrology (NIH) Roorkee and Indian Institute of Technology Roorkee, observed World Water Day 2024 at Roorkee. Dr R P Pandey, Scientist G & Head, Environmental Hydrology Division, NIH welcomed the august gathering and explained the importance of World Water Day. Dr

Sharad Kumar Jain, Ex-Director, NIH & Visiting Faculty, Civil Engineering, IITR; Prof Somdev Shantanshu, Vice Chancellor, Gurukul Kangri, Harwar and Dr Roopam Shukla, Assistant Professor, Centre for Disaster Management, IITR delivered lectures on various topics and exhorted the audience to save water. At the end, Er Mickey Mecon Dalbehera, Honorary Secretary, Roorkee Local Centre, IEI proposed the vote of thanks.

Rourkela

On 22 March 2024, Rourkela Local Centre, IEI, observed World Water Day 2024 through hybrid mode. A seminar was organised on the topic 'Harmony in H₂O: Uniting Nations through Sustainable Water Management'. Er Santosh Kumar Polaki, Chairman, Rourkela Local Centre, IEI, welcomed the members and guests. Dr Ajit Behera, Honorary Secretary, Rourkela Local Centre, IEI, introduced the speaker of the session, Dr Ratnakar Swain, Assistant Professor, Civil Engineering Department, National Institute of Technology, Rourkela. Dr Swain explained that sustainable water management offers a pathway to unite nations through harmony and prosperity. He emphasized that water is essential for life and ecosystems, transcends political boundaries and underscored its significance as a shared responsibility among nations and communities. He opined on adopting sustainable practices and water management systems, addressing water challenges collectively, fostering unity and cooperation, mitigating conflicts over shared water resources, reducing tensions, promoting peaceful relations, benefitting industries reliant on water and ensuring stable water supply for economic activities. At the end, Dr Ajit Behera, Honorary Secretary, Rourkela Local Centre, IEI proposed the vote of thanks.

Salem

On 22 March 2024, Salem Local Centre, IEI observed World Water Day 2024 through online mode. Dr Thangaraj K, Chairman, Salem Local Centre, IEI welcomed Chief Guest & Keynote Speaker of the event Dr A Geetha Selvarani, Professor and Head, Department of Civil Engineering, Vel Tech Rangarajan Dr Sangunthala R&D Institute of Science and Technology, Chennai; Dr P S S Srinivasan, Principal, Knowledge Institute Technology, Salem and Dr K Visagavel, Vice Principal, Knowledge Institute Technology, Salem. Dr Selvarani delivered lecture on the theme. At the end, Prof (Dr) Ms Dhavamani C, Honorary Secretary, Salem Local Centre, IEI proposed the vote of thanks.

Saurashtra

On 22 March 2024, Saurashtra Local Centre, IEI, in association with Darshan University, Rajkot observed World Water Day 2024 at Rajkot and a Seminar was organized on the theme. Er Urvis C Kakkad, Chairman, Saurashtra Local Centre, IEI welcomed all and introduced the theme speaker, Er Kapil Gaglani, Assistant Engineer, Rajkot Irrigation Project Circle, Rajkot. Er Gaglani explained the history of World Water Day and discussed about the importance of world water day, water availability in India, common reasons for water scarcity, water scarcity – Global issue that affects, necessity of actual ground work for peaceful co-existence to achieve UN's SDG, etc. Mr Ujjwal Solanki, Assistant Professor, Civil Engineering Department, Darshan University, Rajkot also spoke on the occasion. Er Deepak Suchde, on behalf of Saurashtra Local Centre, IEI proposed the vote of thanks.

Thanjavur

Thanjavur Local Centre, IEI observed World Water Day on 28 March 2024 at Thanjavur and a Guest Lecture was organized on Water Conservation and Rain Water Harvesting. Prof (Dr) N Venkatachalapathy, Chairman, Thanjavur Local Centre, IEI welcomed the gathering and explained the role of IEI in technology developments. Er Senthamil Kumar S, Honorary Secretary, Thanjavur Local Centre, IEI introduced the Guest Speaker Er M Sekar, former Executive Engineer, PWD, Tamilnadu Government. Er Sekar discussed about the importance of potable and clean water, wastage of water, water pollution, preservation techniques, and rain water harvesting technology and working model at Thanjavur. At the end, Er Senthamil Kumar proposed the vote of thanks.

Tiruchirappalli

Tiruchirappalli Local Centre, IEI, in association with Indian Institute of Welding, Tiruchirappalli Branch; Computer Society of India, Tiruchirappalli Chapter; Safety Quality Forum, IEI, New Delhi; Indian Welding Society, Southern Zone; Indian Institute of Metals, Tiruchirappalli Chapter; Indian Institution of Industrial Engineering, Tiruchirappalli; Indian Institution of Plant Engineers, Trichy Chapter; Kumari Arivial Peravai, Kanyakumari and Indian Society for Non-Destructive Testing, Trichy Chapter observed World Water Day 2024 through virtual mode on 19 March 2024. Speaker of the event was Er Kirit B Trivedi, Former Deputy Executive Engineer, N W R W S & K Department, Government of Gujarat. On this occasion, the importance of water for the world, status of water in the world, Sustainable Development Goals, water related conflicts, Indian river system, recent water crises etc were discussed. Earlier, Er R Selvaraj, Past Chairman, Tiruchirappalli Local Centre, IEI, welcomed all. Dr S Karuppasamy, Past Chairman, Tiruchirappalli Local Centre, IEI, proposed the vote of thanks.

Trichur

On 22 March 2024, Trichur Local Centre, IEI observed World Water Day 2024 at Trichur. Er Thomas John V, Chairman, Trichur Local Centre, IEI welcomed the gathering and explained the theme. Speaker of the event, Prof (Dr) N Saji Kumar, Former Professor and HoD of Civil Engineering Department, Dean Research, Government Engineering College, Thrissur discussed about Integrated Water Resource Management, Water Conflicts, Sharing of Water, Aquifer Sharing, Interlinking of rivers, Eco Hydrology and Hydrological Models. He presented a case study of Parambikulam – Aliyar project. At the end, Er V Narayanan, Past Honorary Secretary, Trichur Local Centre, IEI proposed the vote of thanks.

Udaipur

Udaipur Local Centre, IEI observed World Water Day on 30 March 2024 at Udaipur. Er Chandra Prakash Jain, Chairman, Udaipur Local Centre, IEI welcomed the Chief Guest and Keynote Speaker of the event, Acharya (Er) Daria Singh, Former Chairman, The Board of Technical Education, Rajasthan. Acharya Singh urged the participants for saving the environment including water and its resources. He focused on water disputes between the countries and opined that this could lead to the third world war. Er Jain emphasized that access to clean water is a fundamental human right and the people have to think seriously about saving water and mentioned that proper drainage can contribute towards saving water. Er Purushottam Paliwal, Honorary Secretary, Udaipur Local Centre, IEI explained about water scarcity, pollution, unequal access and emphasized for re-evaluation of water resources. At the end, Er Paliwal proposed the vote of thanks.

Upper Assam

On 22 March 2024, Upper Assam Local Centre, IEI, observed World Water Day 2024 through online mode. Er Bhairab Bhuyan, Chairman, Upper Assam Local Centre, IEI, delivered the welcome address. Chief Guest of the event, Er Nripendra Kumar Sarma, Chief Engineer, PHE, Government of Assam, delivered Keynote speech on 'Water for Peace'. On this occasion, two technical papers were presented by Mr Devanga Borah, Deputy Manager (Production), APL, Namrup on 'Water Crises – Near and Far' and Mr Rakesh Kalita, Manager (Excavation), NEC, Coal India Limited, Margherita on 'Desalination of Seawater'. Mr Biswajit Das, DGM (Electrical), OIL India Limited, Duliajan, also spoke on the occasion.

Vadodara

On 22 March 2024, Vadodara Local Centre, IEI observed World Water Day 2024 at Vadodara. Prof (Dr) Satishkumar Kantilal Joshi, Chairman, Vadodara Local Centre, IEI delivered the welcome address. Speaker of the event, Mr Naresh Gor, Hydrologist (P H Mechanical Circle), G W S S B, Vadodara delivered lecture on the topic 'Leveraging Water for Peace'. At the end, Er Ambikesh Natvarlal Padhya, Immediate Past Chairman, Vadodara Local Centre, IEI, proposed the vote of thanks.

Vallabh Vidyanagar

On 22 March 2024, Vallabh Vidyanagar Local Centre, IEI, observed World Water Day 2024 in Vallabh Vidyanagar. Chief Guest and Expert Speaker of the event, Dr Narendra Jaydevbhai Shrimali, Associate Professor, Civil Engineering Department, Faculty of Technology and Engineering, The M S University of Baroda, Vadodara, highlighted the importance of World Water Day and the theme. He emphasized the importance of water as a catalyst for peace building and sustainable development. He discussed the importance for resolving water related disputes, promoting cooperation among stakeholders and achieving water security for all. He highlighted unequal access to clean water and warned of conflicts over resources, linking them to stability and security concerns. Earlier, Prof (Dr) Sanjaykumar Kanubhai Dave, Chairman of the host Centre welcomed all. At the end of the function, Er Sunikumar Subhashchandra Shah, Honorary Secretary, proposed the vote of thanks.

Varanasi

On 22 March 2024, Varanasi Local Centre, IEI, in association with Department of Agricultural Engineering, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi, observed World Water Day 2024 online and a webinar was organized on the theme 'Water for Peace'. Prof S N Upadhyay, Past Chairman, Varanasi Local Centre, IEI welcomed the speakers, namely, Prof V K Chandola, Professor, Department of Agricultural Engineering, Institute of Agricultural Sciences, Banaras Hindu University, Varanasi and Prof K K Pathak, Department of Civil Engineering, IIT BHU. In his welcome address, Prof Upadhyay emphasized that all engineers are expected to carry out their professional activities in an eco-friendly and sustainable manner to avoid adverse environmental impacts. Prof Chandola delivered his lecture on 'Water Management in Agriculture'. He emphasized that water management is essential not only for human survival but also for reducing poverty, ensuring food security, promoting peace, upholding human rights, preserving ecosystems, and maintaining health. Prof Pathak explained the importance of water for maintaining peace among the nations and highlighted that large part of the world are suffering from water crisis and suggested an effort of water management is needed which will be of great help for them. At the end, Er Rahul Mourya, Honorary Secretary, Varanasi Local Centre, IEI explained the history of IEI and the activities of Varanasi Local Centre, IEI.

Visakhapatnam

On 22 March 2024, Visakhapatnam Local Centre, IEI observed World Water Day 2024 at Visakhapatnam. Er Rapeti Nageswara Rao, Honorary Secretary, Visakhapatnam Local Centre, IEI welcomed the gathering. Speaker of the event, Er K V Sivananda Kumar, Superintending Engineer, Rural Water Supply & Sanitation Department, Government of Andhra Pradesh, Visakhapatnam delivered lecture on 'Water for Peace' and explained global water scenario, water stress, and mentioned that decrease in water quantity affect the ecosystem and human health. Dr (Ms) Gunnu Padmavathi, Council Member, IEI presided over.

Warangal

On 22 March 2024, Warangal Local Centre, IEI observed World Water Day 2024 at Warangal. Dr K Venumadhav, Dean (Academics), Kakatiya Institute of Technology & Science (KITS), Warangal graced the occasion and addressed the audience. Dr Anumula Rama Chandra Reddy, Chairman, Warangal Local Centre, IEI addressed the gathering and explained the importance of the event by highlighting the developmental activities of IEI. Chief Guest of the event, Prof N V Umamahesh, Professor (HAG), Department of Civil Engineering, NIT Warrngal emphasized the significance of Sustainable Development Goals (SDGs) and integrated river management in ensuring the availability of water for future generations. He stressed the need for a collective effort from society to adopt environmentally friendly practices to protect water resources, safeguard the environment, and manage increasing water consumption. At the end, Dr A V Giridhar, Honorary Secretary, Warangal Local Centre, IEI proposed the vote of thanks.