

IEI Celebrates World Water Day

Theme : **Valuing Water**

The World Water Day was celebrated by the Institution all over the country on March 22, 2021. Reports of celebration received from various Centres are highlighted here.

STATE CENTRES

Bihar

Bihar State Centre, IEI observed World Water Day on 22 March 2021 at Patna. Keynote Speaker during the function, Prof (Dr) Santosh Kumar, Chairman, Indian Water Resources Society, Bihar in his lecture advocated for the management of fresh water resources, stressed on the necessity of conservation of water resources in day-to-day life of common people and recycling and reusing of waste water. Dr B K Sahay, Technical Advisor, Bihar State Disaster Management Authority and Past Honorary Secretary, Bihar State Centre, IEI deliberated his address on the theme. Dr Arun Kumar Shrivastava, Council Member, IEI and Mr Rabindra Kumar Sinha, Past Secretary, Indian Water Resources Society, Bihar also graced the occasion. Kumar Abhay Pratap Singh, Honorary Secretary, Bihar State Centre was also present on the occasion. At the beginning, Mr Nishi Kant Prasad Sinha, Chairman, Bihar State Centre and Council Member, IEI, delivered the welcome address. Mr B N Singh, Past Honorary Secretary, Bihar State Centre proposed the vote of thanks.

Gujarat

Gujarat State Centre of the Institution observed World Water Day on 22 March 2021 jointly with World Federation of Engineering Organizations (WFEO), Sankalchand Patel University, Visnagar, Water Management Forum, IEI, Gujarat Energy Development Agency (GEDA) & Climate Change Department, Government of Gujarat. Chief Guest, Mr Navindhandra B Vasoya, Past President and Council Member, IEI and Member, Executive Council, WFEO sent a video message on this occasion. Guest of Honour, Mr M D Patel, Chairman, Water Management Forum, IEI was present on the occasion and addressed the audience. Keynote Speaker, Mr N B Patel, Superintending Engineer (Retd), Water Resources Department, Government of Gujarat gave presentation on the theme of the day. Dr A M Prabhakar, Principal, Gujarat Power Engineering and Research Institute, Prof (Dr) D J Shah, Director, Technical Courses, Sankalchand Patel College of Engineering (SPEC) and Dr Y S Patel, Head, Civil Engineering Department, SPEC, present during the occasion and address the audience.

Haryana

Haryana State Centre, IEI observed World Water Day on 22 March 2021 through virtual mode. Keynote Speaker during the function, Mr Prashant B Kapadia, Chief Growth Officer, CIMCON Software (I) Private Limited deliberated lecture on the theme. Earlier, Dr (Ms) Vrinda Krishanlal Gupta, Chairman, Haryana State Centre and Council Member, IEI, welcomed the dignitaries and participants.

Puducherry

Puducherry State Centre, IEI observed World Water Day at Puducherry Technological University (PTU) on 22 March 2021. Chief Guest, Dr R Sivacoumar, Senior Principal Scientist, CSIR – NEERI, National Environmental Engineering Research Institute, Chennai delivered lecture on the theme. Dr

S Kothandaraman, Principal, Pondicherry Engineering College, Puducherry was present on the occasion and addressed the audience. Earlier, Prof (Dr) Raman Saravanane, Chairman, Puducherry State Centre and Council Member, IEI, welcomed the participants. Prof (Dr) B Radjaram, Honorary Secretary, Puducherry State Centre proposed the vote of thanks.

Punjab & Chandigarh

Punjab & Chandigarh State Centre observed World Water Day through online platform on 22 March 2021. Mr Shivinder Singh Saini, Former Chief Engineer, Punjab Irrigation Department was the Chief Guest of the event. Mr P S Bhogal, Council Member, IEI was the Keynote Speaker and deliberated lecture on the theme. Mr Bhogal focused on understand and acknowledge importance of water to modern lifestyle and described that water has an economic value in all its competing uses and should be recognized as an economic good. Earlier, Mr Sukhvir Singh Mundi, Chairman, Punjab & Chandigarh State Centre and Council Member, IEI welcomed the guests and participants. Prof (Dr) T S Kamal, Council Member, IEI also attended the webinar as special guest. Dr Baljit Singh, Honorary Secretary, Punjab & Chandigarh State Centre highlighted the importance of the day.

Telangana

Telangana State Centre, IEI, in association with Jalamandali Engineers Association organized World Water Day on 22 March 2021 through virtual platform. Mr M Dana Kishore, IAS, Managing Director, Hyderabad Metropolitan Water Supply & Sewerage Board (HMWSSB) graced the function as Chief Guest. Guests of Honours on the occasion Dr M Satyanarayana, Executive Director, HMWSSB; Mr A Krishna, ENC & Director (Operation-I), HMWSSB; Mr R Sunil Kumar, Global President, United Federation Travel Agents Association (UFTAA); Mr V L Praveen Kumar, Director, Revenue & UFW, HMWSSB; Mr D Sridhar Babu, Director (Project-1), HMWSSB; Mr P Ravi Kumar, Director (Projects – II), HMWSSB; Mr M Swamy, Director (Operations-II), HMWSSB; Mr M Devanand, Chief Engineer, Greater Hyderabad Municipal Corporation (GHMC) also deliberated on the theme. Earlier, Mr T Anjaiah, Honorary Secretary, Telangana State Centre welcomed the audience. Dr G Rameshwar Rao, Chairman, Telangana State Centre and Council Member, IEI, presided over the function.

Uttar Pradesh

Uttar Pradesh State Centre of the Institution observed World Water Day on 22 March 2021 and organized webinar on the theme of the day. Keynote speaker during the function, Mr Phanish Kumar Sinha, President, Indian Network on Participatory Irrigation Management in his deliberation emphasized on preservation of ground water and application of micro and deep irrigation to reduce water wastage. At the beginning, Mr Rajesh Kumar Trivedi, Chairman, Uttar Pradesh State Centre and Council Member, IEI welcomed the guests and participants. The programme was ended with vote of thanks delivered by Mr Prabhat Kiran Chaurasia, Honorary Secretary, Uttar Pradesh State Centre.

West Bengal

West Bengal State Centre, IEI observed World Water Day on 22 March 2021. Mr Sisir Kumar Banerjee, Past President, IEI graced the function as Chief Guest and addressed the august house. Dr Gouranga Kar, Director, ICAR-Central Research Institute for Jute & Allied Fibres, Barrackpore was the theme speaker on the occasion. In his presentation, Dr Kar elaborated upon the national and global scenario of water resources and its demand and mentioned that the challenges for making the environment free from water pollution can be mitigated through effective policy measures followed by sincere practices by individual stake holders. Mr Sandip Kumar Deb, Chairman, West Bengal State Centre welcomed the dignitaries on the dais and stressed upon the united efforts required for conservation of water to bridge the gap between demand and supply. Mr Kalipada Das, Honorary Secretary, West Bengal State Centre proposed the vote of thanks.

LOCAL CENTRES

Agra

Agra Local Centre, IEI observed World Water Day on 22 March 2021 at Agra. On the occasion, Dr V K Saraswat, Director, Institute of Engineering & Technology, Dr B R Ambedkar University, Khandari Campus, Agra was the Chief Guest and Mr V K Gupta was the Keynote speaker. Mr Devendra Singh Chaudhary, Honorary Secretary, Agra Local Centre welcomed the guests, dignitaries and audience and at the end of the session, also proposed the vote of thanks.

Ahmednagar

Ahmednagar Local Centre of the Institution observed World Water Day on 22 March 2021 on virtual mode. Mr Satish Khade, an entrepreneur working in the field of water related issues delivered lecture on the theme. Explaining why people participation is required in awareness on water related issues, Mr Satish Khade explained that exorbitant ground water extraction, emission of CO₂, surface water pollution, global warming, increasing population, changing lifestyle of people and uncertain rain pattern are some of the factors, which leads to the extinction of plant and animal species on the earth. Earlier, Mr Manohar Mukund Anekar, Honorary Secretary, Ahmednagar Local Centre delivered the welcome address.

Aligarh

Aligarh Local Centre, IEI organised a Lecture programme on the occasion of World Water Day on 22 March 2021 at Aligarh. Chief Guest of the occasion, Prof S S Alam, Former Chairman of Aligarh Local Centre talked about the importance of water in different spheres. Mr Kul Bhushan Varshney, Chief Engineer, Nagar Nigam, Aligarh addressed the audience regarding conservation of water. Earlier, welcome address was delivered by Prof Mohammad Kamil, Former Chairman of Aligarh Local Centre.

Angul

Angul Local Centre, IEI observed World Water Day by organising a webinar on the topic 'Valuing Water: In the context of Odisha' on 22 March 2021. Chief Speaker, Mr Nanda Kumar Mohapatra, Ex-Chief Engineer, Minor Irrigation, Odisha deliberated lecture on the topic. Dignitaries, namely Mr A P Panda, ED (S&P), NALCO, Mr S Acharya, Ex ED, NALCO, Mr N K Mondal, GGM(Smelter), Mr S R Patnaik, GGM (O & M), CPP, Mr A P Mohanty, Ex- DGM, NALCO graced the occasion and made the event a grand success. Earlier, Mr Sangram Keshari Samantaray, Chairman, Angul Local Centre welcomed the dignitaries and participants. Mr Siba Ram Panda, Honorary Secretary, Angul Local Centre introduced the Chief Speaker to the participants and at the end of the session, proposed the vote of thanks.

Aurangabad

Aurangabad Local Centre, IEI observed World Water Day on 22 March 2021 through virtual mode. Mr Deelip Dattaray Tawar, Chief Engineer and Chief Administrator, Command Area Development, Water Resources Department, Aurangabad was the Chief Guest on the occasion. Earlier, Chairman, Aurangabad Local Centre, Dr D C Gour, delivered the welcome address. Prof Sandeep Bhagwanrao Mundhe, Honorary Secretary, Aurangabad Local Centre proposed the vote of thanks.

Bareilly

Bareilly Local Centre, IEI observed World Water Day on 22 March 2021 by organizing a seminar on the theme of the day. Chairman, Bareilly Local Centre, Mr Sudhir Kumar Gupta in his welcome address briefed about the theme. Mr K B Agrawal, Founder Chairman of Bareilly Local Centre in his address, mentioned that water has enormous and complex value for households, food, culture, health, education, economics and the environmental integrity. Dignitaries on the occasion, Mr H C Gupta, Mr S

C Sundrani, Mr M K Agrawal, Mr Ram Chandra, Dr Chhavi Sharma and Dr Pankaj Sharma also shared their views and experiences on the theme. Mr Mahendrakumar Agarwal, Honorary Secretary, Bareilly Local Centre proposed the vote of thanks.

Belagavi

Belagavi Local Centre, IEI observed World Water Day on 22 March 2021 at Belagavi. On the occasion, Chief Guest, Mr H G Raghavendra Suhasaa, IPS, Inspector General of Police, Northern Range, Belagavi, Karnataka in his address focussed on efficient use of water and share his experience in flood management during the heavy floods in Krishna Basin in the Northern part of Karnataka in the year 2019. Keynote Speaker, Prof Aravind Galagali, Member, Steering Board (MSP) Ministry of Water Resources, Government of Karnataka spoke about integration and control of water usage and subsequent mitigation of the anticipated crisis of water. Mr Basavanneppa G Dharenni, Honorary Secretary, Belagavi Local Centre proposed the vote of thanks.

Bathinda

Bhatinda Local Centre observed World Water Day on 22 March 2021 through organising Webinar. Chief Guest of the day was Prof (Dr) T S Kamal, Chairman, Electronics & Telecommunications Engineering Division Board, IEI and Guest of Honour was Mr Sukhbir Singh Mundi, Chairman, Punjab & Chandigarh State Centre IEI. Speaker during the session, Dr M S Dhanya, Assistant Professor, Central University of Punjab in his lecture mentioned that water is under extreme threat due to growing population and increasing demand of agriculture and industry results worsening impacts of climate change. Earlier, Prof (Dr) Jagtar Singh, Chairman, Bathinda Local Centre welcomed the webinar participants. Mr J S Deol, Honorary Secretary, Bathinda Local Centre proposed the vote of thanks.

Belapur

Belapur Local Centre, IEI observed World Water Day on 22 March 2021 in association with Universal Engineering College, Vasai. Dr Mohan B Dagaonkar, Council Member, IEI, in his keynote address stressed on water preservation. Mr Keshav K Varkhedkar, Chairman, Belapur Local Centre elaborated the theme of World Water Day. Dr Samir Chandrakant Nimkar, Honorary Secretary, Belapur Local Centre coordinated the programme.

Bokaro Steel City

Bokaro Steel City Local Centre, IEI observed World Water Day on 22 March 2021 at Bokaro and organized a lecture programme on the theme. Chief Guest, Mr Sharad Gupta, Chief General Manager, Water Management Department, SAIL, Bokaro Steel Plant inaugurated the function, delivered the inaugural address on the theme and stressed upon recycling of water, rain water harvesting, replenishing ground water level etc. Guest of Honour, Mr N P Srivastava, General Manager and HOD of Environment Department, SAIL, Bokaro Steel Plant spoke about universal availability of safe drinking water and sanitation. Mr Lambodar Upadhyaya, General Manager, Water Management Department, SAIL and Mr Nitesh Ranjan, AGM, Environment Division, SAIL, Bokaro Steel Plant presented papers during the technical session. Earlier, Mr Yogendra Nath Singh, Chairman, Bokaro Steel City Local Centre welcomed the dignitaries and spoke about the importance of the day.

Brahmapur

Brahmapur Local Centre, IEI organised World Water Day on 22 March 2021 at Brahmapur. Chief Guest of the event, Dr Hemant Kumar Panda, Director, Soil Conservation & Watershed Development, Government of Odisha, in his address, advocated for water conservation, water utilization at right time and place and further stressed on application of micro level irrigation, drift irrigation etc. Chief Speaker during the function, Dr Chitta Ranjan Mohanty, Professor & HoD, Civil Engineering Department, Parala Maharaja Engineering College, Brahmapur deliberated on economic theories of water resources. Earlier, Dr Arun Kumar Padhi, Chairman, Brahmapur Local

Centre welcomed the Chief Guest, Speaker, dignitaries and participants. Mr Surendra Kumar Panigrahi, Honorary Secretary, Brahmapur Local Centre introduced the Chief Guest and Chief Speaker.

Coimbatore

Coimbatore Local Centre, IEI in association with Department of Civil Engineering, Dr N G P Institute of Technology, Coimbatore observed World Water Day on 22 March 2021 in cloud mode. Chief Guest, Professor Subimal Ghosh, Convener of Interdisciplinary Program in Climate Studies and Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, Mumbai delivered lecture on the topic 'Climate Services for Water Management' and focussed on raising awareness on water crisis and sustainable management of freshwater resources. Dr P R Muthupriya, Professor and Head and Mr Manoj K M, Department of Civil Engineering, Dr N G P Institute of Technology, Coimbatore were present on the occasion and welcomed all. Dr H Ram Mohan, Honorary Secretary, Coimbatore Local Centre proposed the vote of thanks.

Dhanbad

Dhanbad Local Centre, IEI observed World Water Day on 25 March 2021 at CSIR-CIMFR, Dhanbad, when the technical deliberation was organized on the theme in the august presence of Dr Pallabi Das, Scientist, CSIR-CIMFR, Dhanbad, Dr Pradeep Kumar Singh, Chairman, Dhanbad Local Centre, Dr Satyendra Kumar Singh, Honorary Secretary, Mr R Prasad, Past Honorary Secretary, Mr Amar Nath, Past Honorary Secretary, Mr B K Samanta, Past Chairman of Dhanbad Local Centre and other dignitaries. Earlier, Dr Pradeep Kumar Singh, Chairman, Dhanbad Local Centre welcomed all. Dr Satyendra Kumar Singh, Honorary Secretary, Dhanbad Local Centre proposed the vote of thanks.

Dharwad

Dharwad Local Centre, IEI observed World Water Day on 23 March 2021 at Dharwad. Chief Guest on the occasion, Mr BY Bhandiwaddar, Superintending Engineer and Professor, Water and Land Management Institute, (WALMI), Dharwad delivered lecture on the theme. Earlier, Prof (Dr) Ramesh Laxman Chakrasali, Chairman, Dharwad Local Centre welcomed the Chief Guest and the dignitaries present on the occasion.

Durgapur

Durgapur Local Centre, IEI observed World Water Day on 18 April 2021 at Durgapur by organising a Lecture Meeting on the theme of the day. On this occasion, Key note speaker, Mr Srikanta Mondal, Executive Engineer, Asansol Durgapur Development Authority delivered lecture on the topic, 'The Value of Water & Disposal of Wastewater' and discussed about water conservation, usage of water in rational and sustainable manner, waste water treatment. Earlier, Prof (Dr) Kartik Chandra Ghanta, Chairman, Durgapur Local Centre and Council Member, IEI, presented the welcome address. Mr M K Biswal, Honorary Secretary, Durgapur Local Centre presented introductory address and proposed the vote of thanks at the end of the function.

Faridabad

Faridabad Local Centre observed World Water Day on 20 March 2021 and organized a webinar on the occasion. Three eminent Panellists namely Mr Rtn J P Malhotra, Past Chairman, Faridabad Local Centre, IEI and CEO, Bhartiya Valves Private Limited, Faridabad, Mr Ashok Sinha, Retd. Member, CGWB & CGWA and Mr I S Chauhan, Architectural & Structural Consultant graced the occasion with their extremely enlightening and informative deliberations. Mr Sushil Kumar Bajaj, Past Honorary Secretary, Faridabad Local Centre moderated the session. Mr Sandeep Handa, Chairman, Faridabad Local Centre delivered the opening remarks and stated that the significance to observe World Water Day is to raise awareness about the global water crisis. The event was concluded with the vote of thanks by Mr Kuldip Raj Gupta, Honorary Secretary, Faridabad Local Centre.

Ghaziabad

Ghaziabad Local Centre observed World Water Day on 22 March, 2021 through digital platform as well as physically in the centre premise. Chief Guest on the occasion, Mr Sarvesh Kumar, Chief Engineer, Uttar Pradesh Jal Nigam, Ghaziabad in his lecture, discussed on ground water recharging and rain water harvesting. Mr Rakesh Kumar Sisodia, Joint General Manager, Rail India Technical and Economic Service Limited (RITES) was the Guest of Honour of the programme. Mr Ravi Kant Garg (Retd) Chief Engineer, Uttar Pradesh Jal Nigam in his address spoke about the importance of water. Mr Vijendra Vikramaditya (Retd) Chief Engineer, Uttar Pradesh Jal Nigam addressed the audience on the theme of the day and shared his experience regarding conservation of water. Mr S S Karmyal, Executive Engineer, Delhi Jal Board, explained the importance of conservation of water through 3 R's – Reduce, Recycle & Reuse. Mr Surendra Mohan Sharma, Retd Superintending Engineer, Uttar Pradesh Jal Nigam also spoke on the occasion. Earlier, Mr Jai Pal Singh, Chairman, Ghaziabad Local Centre, IEI welcomed the guests and dignitaries and highlighted the importance of World Water Day. Mr R R Tanwar, Council Member, IEI was also present during the function. Mr Chitra Kumar Tyagi, Honorary Secretary, Ghaziabad Local Centre, IEI proposed the vote of thanks.

Gorakhpur

Gorakhpur Local Centre, IEI observed World Water Day on 22 March 2021. Speaker of the day, Dr Govind Pandey, Dean-Infrastructure & Planning, MMMUT Gorakhpur in his address stressed on judicious usage of water and rain water harvesting'. Earlier, Mr Dharendra Chaturvedi, Chairman, Gorakhpur Local Centre welcomed the speaker and audience. Mr Ved Prakash Gupta, Honorary Secretary, Gorakhpur Local Centre proposed the vote of thanks.

Gwalior

Gwalior Local Centre of the Institution observed World Water Day on 21 March 2021 and organized a technical seminar on the theme of the day. Speaker of the session, Mr Sanjay K Andwan, Chief Engineer, Public Health Engineering Department (PHE), Government of Madhya Pradesh mentioned that water must be carefully managed during every part of the water cycle – from fresh water abstraction, pre-treatment, distribution of water by local bodies, consumption by public, collection of waste water, post-treatment and return back to the environment. Dr Deepak Rastogy, Associate Professor, Civil Engineering Department, Madhav Institute of Technology and Science, Gwalior delivered lecture and highlight the importance of conserving water and its value. Mr Rajender Singh Bhadoriya, Ex-Chief Engineer, Public Health Engineering Department, Gwalior Region, Government of Madhya Pradesh, lectured on the theme and mentioned that observance of World Water Day raises awareness of the global water crisis and the core focus of the observance is also to support the achievement of UN Sustainable Development Goals. Mr U S Pandey, Ex-Superintending Engineer, PHE; Mr R K Batra, Ex-Professor and HoD, Civil Engineering Department, IPS Institutions; Mr Rahul Khanvilkar, HRM, Diverselynx India Private Limited, Noida and Mr R K Khetan, Visiting Professor, Vikrant Institute of Technology and Management also delivered lecture on the theme. Earlier, Mr Prabhat Kumar Bhargava, Chairman, Gwalior Local Centre delivered the welcome address. Mr P Y Khanwilkar, Honorary Secretary, Gwalior Local Centre proposed vote of thanks.

Jammu

Jammu Local Centre, IEI observed World Water Day on 22 March 2021 by organising a seminar on the theme. Mr G S Jha, Chairperson, J & K Water Resources Regulatory Authority, Government of Jammu and Kashmir graced the function as Chief Guest and Mr Manesh Bhat, Chief Engineer, Jal Shakti, PHE Department, Jammu, the Guest of Honour. At the outset, Dr (Prof) Sanjay Khar, Chairman, Jammu Local Centre delivered the welcome address. During the technical sessions, papers were presented by Mr P K

Nanda, Mr B L Rawal, Mr Vinod Kumar, Mr Vijay Kumar Sharma, Mr Ranjeev Sawhney, Mr Sachin Tickoo and Mr Muneer Hussain. All the speakers advocated for conservation of water and requested stakeholders to value this precious resource which is going to be scarce, if not cared presently. Mr Chanchal Paul Sharma, Honorary Secretary, Jammu Local Centre conducted the proceedings of the seminar and proposed the vote of thanks.

Jamshedpur

Jamshedpur Local Centre, IEI observed World Water Day on 24 March, 2021 and organised a webinar on the occasion. Speaker of the event, Mr Gaurav Anand, Chief Manager, Business Excellence, Tata Steel Utilities and Infrastructure Services Limited (TSUISL), in his address focussed on various problems and challenges associated with water conservation, that include sewage tapping into water bodies, proper solid waste management, open defecation, non-point source of pollution, rain water harvesting, identification of pollution load from other sources etc. Earlier, Mr Anurag Saxena, Chairman, Jamshedpur Local Centre delivered welcome address. Mr Pravesh Kumar Dhawan, Honorary Secretary, Jamshedpur Local Centre proposed the vote of thanks.

Kalaburagi

Kalaburagi Local Centre observed World Water Day on 24 March 2021 at Kalaburagi. Speaker during the function, Dr Shashikant R Mise, Professor and Coordinator of Environmental Engineering, Post Graduate Programme, Department of Civil Engineering, P D A College of Engineering, Kalaburagi delivered lecture on the theme of the day. Mr Babu Sidramappa More, Chairman, Kalaburagi Local Centre delivered the welcome address. Dr Baburao Neelkantappa Sherikar, Honorary Secretary, Kalaburagi Local Centre proposed the vote of thanks.

Kanpur

Kanpur Local Centre, IEI in association with Department of Civil Engineering, Harcourt Butler Technical University (HBTU), Kanpur, The Institution of Electronics & Telecommunication Engineers, Kanpur and IEEE, Uttar Pradesh Section observed World Water Day on 22 March 2021 at Kanpur. Theme speaker during the event, Dr Deepesh Singh, Assistant Professor, Department of Civil Engineering, H B T U Kanpur delivered lecture on the topic 'Valuing Water : A Blue Gold for Future'. Prof Pradeep Kumar, Head, Department of Civil Engineering, HBTU, Kanpur and Prof Narendra Kohli, Chairman, The Institution of Electronics & Telecommunication Engineers, Kanpur also graced the event. Dr Rajat Kumar Khare, Honorary Secretary, Kanpur Local Centre proposed the vote of thanks.

Kanyakumari

Kanyakumari Local Centre, IEI observed World Water Day on 22 March 2021 through online platform. Keynote speaker of the day, Mr Pravin G Ingole, Scientist, CSIR - NEIST, North East Institute of Science and Technology, Jorhat, Assam delivered lecture on the theme. Mr V Sivathanu Pillai, Chairman, Kanyakumari Local Centre, IEI welcomed all. Dr M Marsaline Beno, Vice Principal, St Xavier's Catholic College of Engineering, Nagercoil also addressed the audience. Mr V Muthum Perumal, Honorary Secretary, Kanyakumari Local Centre proposed the vote of thanks.

Madurai

Madurai Local Centre, IEI observed World Water Day on 22 March 2021 at Madurai. Chief Guest of the function, Mr M Dhanbalan, Former Chief Engineer, Tamilnadu Water Supply and Drainage (TWAD) Board in his address explained different aspects of water valuation, water audit, integrated approach to meet the challenges of water security, water conservation etc. He further explained smart water management, monitoring and control of water consumption, water conservation through rain water harvesting, reducing water leakage and wastage etc. Earlier, Mr K Vijaya Kumar, Immediate Past Chairman, Madurai Local Centre extended warm welcome

to the dignitaries and participants. Mr P Rajamani, Council Member and Chairman, ELDB, IEI, briefly introduced the theme.

Meerut

Meerut Local Centre of the Institution observed World Water Day on 22 March 2021 at Meerut. On the occasion, Keynote Speaker, Mr S K Kumar, Chairman, Indian Water Resources Society, Meerut deliberated lecture on the theme of the day mentioning that water, the precious resource is nearing extinction and it is our duty to save it, revive it and flourish it for the coming generations and recommended a realistic water pricing policy framework. At the beginning, Mr Rajneesh Kumar, Chairman, Meerut Local Centre delivered the welcome address. Mr Mr Mohan Lal Jain, Honorary Secretary, Meerut Local Centre proposed the vote of thanks.

Muzaffarpur

Muzaffarpur Local Centre, IEI observed World Water Day on 22 March 2021 through online mode. Chief Guest, Dr Amresh Kumar Rai, Department of Civil Engineering, Darbhanga College of Engineering, Department of Science and Technology, Government of Bihar deliberated lecture on the theme of the day and talked about the importance of water and its forecasted demand in future. Thereafter, Mr Anjani Kumar Srivastava, Retired Deputy General Manager, Hindustan Aeronautics Limited also presented lecture on the theme. The webinar was started with welcome address by Dr Anjani Kumar Mishra, Chairman, Muzaffarpur Local Centre, IEI. Mr Narendra Kumar Jha, Honorary Secretary, Muzaffarpur Local Centre proposed the vote of thanks.

Nagpur

Nagpur Local Centre, IEI in association with Association of Consulting Civil Engineers, Nagpur Centre observed World Water Day on 24 March 2021 through online platform. Keynote speaker of the session, Dr Ramesh Daryapurkar, Chief Executive Officer, Lars Enviro Private Limited, Nagpur deliberated on the multidimensional values of water and its' comprehensive assessment. Mr Sumant Mundle, Chairman, Association of Consulting Civil Engineers (India) also emphasized on the importance of this precious commodity. Earlier, Prof (Dr) Rakesh L Shrivastava, Chairman, Nagpur Local Centre and Council Member, IEI, welcomed the guests and invitees. Mr Mahendra Shaligram Kadu, Honorary Secretary, Nagpur Local Centre proposed vote of thanks.

Neyveli

Neyveli Local Centre, IEI observed World Water Day by organizing a technical webinar on 22 March 2021. Speaker, Dr S Mohan, Institute Chair Professor, Environmental and Water Resources Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras deliberated lecture on the theme. Earlier, Mr A Sekar, Honorary Secretary, Neyveli Local Centre welcomed the Chief Guest and participants of the webinar and at the end, proposed the vote of thanks.

North Bengal

North Bengal Local Centre, IEI Observed World Water Day on 22 March 2021 at Jalpaiguri and organised a table discussion on the theme. During deliberation, Mr Suman Konar, mentioned that valuing water means recognizing and considering all the benefits provided by water in economic, social and ecological dimensions. Mr Asim Mahapatra, Mr Chinmoy Ghosh, Mr G K Panda, Mr P K Saha, Mr Nimai Mukherjee, Mr U K Mondal, Mr K Kabiraj, Mr G Bairagi also joined in the discussion. Mr G K Panda, Past Chairman of North Bengal Local Centre proposed the vote of thanks.

Palghat

Palghat Local Centre, IEI observed World Water Day on 24 March 2021 by organizing webinar on the theme of the day. Speaker of the event, Dr Drissia T K, Senior Scientist & TPA, Co-ordinator for Subcentres, ED's

Secretariat, Hydrology and Climatology Research Group, Centre for Water Resources Development and Management (CWRDM), Kozhikode in her address explained water scarcity assessment using statistical methods and hydrological modelling including the application of Soil Water Assessment Tool (SWAT). Earlier, Mr K Unni Krishnan, Chairman, Palghat Local Centre, IEI welcomed the Keynote speaker and participants. Mr A Ramesh, Honorary Secretary, Palghat Local Centre proposed the vote of thanks.

Roorkee

Roorkee Local Centre observed World Water Day on 22 March 2021 at Roorkee. Dr Sanjay Kumar Jain, Scientist G, National Institute of Hydrology (NIH), Roorkee delivered lecture on Water Related Disasters in Himalayan Region. He also shared various modern techniques being employed by NIH water related study. Earlier, Prof (Dr) Achal Kumar Mittal, Chairman, Roorkee Local Centre welcomed the audience and discussed about the importance of the day. Dr Mohd Ashraf Iqbal, Honorary Secretary, Roorkee Local Centre proposed the vote of thanks.

Rourkela

Rourkela Local Centre Observed World Water Day on 22 March 2021 in hybrid mode. Speaker, Dr (Ms) Sanat Nalini Sahoo, Department of Civil Engineering, National Institute of Technology Rourkela deliberated lecture on the topic 'Remote Sensing and GIS Tools for Sustainable Water Resources Management'. Earlier, Dr Hara Mohan Jena, Honorary Secretary, Rourkela Local Centre, welcomed the members and guests and explained brief objective of the theme and at the end of the session, proposed the vote of thanks.

Saurashtra

Saurashtra Local Centre of the Institution observed World Water Day on 22 March 2021 by organizing technical webinar on the theme of the day. On the occasion, Speaker, Mr Neelkanth Bhatt, Civil Engineering Department, Likhdirji Engineering College, Morbi delivered the lecture on the theme and explained about how water touches every aspect of our lives. At the beginning, Mr Ranchhod Kanjibhai Babaria, Honorary Secretary, Saurashtra Local Centre delivered the welcome address.

Sunabeda

Sunabeda Local Centre, IEI observed World Water Day on 22 March 2021 through virtual platform. Chief Speaker during the event, Mr Laxmi Narayan Gouda, Chief Manager (Services), Hindustan Aeronautics Limited elaborated on various dimensional aspects of water. Mr Nirod Chandra Behera, Chairman, Sunabeda Local Centre inaugurated the meeting.

Tiruvallur

Tiruvallur Local Centre, IEI observed World Water Day on 22 March 2021 through online platform. Chief Guest, Mr A Peter Ranjan, Author of 'Neer Uyirin Ver' & 'Principles of Water Treatment' deliberated lecture on the theme and mentioned the importance of water advancement goals and explained

the significance of pH levels for ground water improvisation. Earlier, Mr G Jeyarajan, Chairman, Tiruvallur Local Centre, IEI presented the welcome note. At the end, Dr L Ramesh, Honorary Secretary, Tiruvallur Local Centre proposed the vote of thanks.

Trichur

Trichur Local Centre, IEI observed World Water Day on 22 March 2021 through virtual mode. Speaker, Dr K Jayachandran, General Manager, The Fertilisers And Chemicals Travancore (FACT) Limited, Kochi deliberated lecture on the theme of the day. Earlier, Mr V G Sankaranarayanan, Chairman, Trichur Local Centre delivered welcome speech and highlighted the importance of the day. Mr Sasidharan Achari M N, Honorary Secretary, Trichur Local Centre proposed the vote of thanks.

Upper Assam

Upper Assam Local Centre observed World Water Day on 22 March 2021 through online Platform. Mr Sasanka Pratim Deka, Chairman, Upper Assam Local Centre presented the welcome address. During technical sessions, papers were presented by Ms Mayuri Deka, Safety Officer, Assam Petrochemicals Limited, (APL) on the theme, Mr Rakesh Kalita, Deputy Manager(Excavation), NEC, Coal India Limited on 'Policies and Laws related to Water Conservation' and Mr Uddipan Kashyap, HSE Officer, DNPL on the topic 'Rainwater Harvesting'. Mr Debajeet Sarma, Honorary Secretary, Upper Assam Local Centre proposed the vote of thanks.

Visakhapatnam

Visakhapatnam Local Centre of the Institution observed World Water Day on 22 March 2021 through online platform. Chief Guest, Mr D Tirumala Rao, Superintending Engineer, Vamsadhara Project delivered lecture on 'Sardar Gouthu Latchanna Thotappali Barriage Project'. Prof (Dr) K Venkatasubbaiah, Vice President, IEI graced the function with his kind virtual presence. Earlier, Mr K Venkata Rama Mohana Rao, Honorary Secretary, Visakhapatnam Local Centre delivered the welcome address. Dr B Venkataramana, Chairman, Visakhapatnam Local Centre and Council Member, IEI briefed the audience about the theme.

Warangal

Warangal Local Centre, IEI observed World Water Day on 22 March 2021 through virtual platform. Prof K V Jayakumar, Professor (HAG), Civil Engineering Department and Advisor, Special Programmes to the Director, National Institute of Technology Warangal was the Chief Guest of the day and deliberated lecture on the theme. Prof Jaykumar opined that nature based solutions have the potentials to rebalance the water cycle and improve human health and livelihoods, which include new plantation, reconnecting rivers to floodplains, restoring wetlands etc. Earlier, Dr Chintham Venkaiah, Chairman, Warangal Local Centre, IEI welcomed the virtual audience. Dr S Srinath, Honorary Secretary, Warangal Local Centre proposed the vote of thanks.