



IETSC NEWSLETTER

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From the Chairman's Desk

Dear Fellow Fraternity,

10th April is celebrated as 'Survey Day' throughout the Country. Not only in 'Survey of India' but all the State Governments and union Territories celebrate this day in a befitting manner. This day has a special significance in the History of Surveying as it is on this day that Major William Lambton started the GTS (Great Trigonometrical Survey) and the work of measurement of Great Arc from the Cape Comorin to Bangalore, on 10th April, 1802 by measuring a 'Base line' near observatory at Madras and later extended the arc to further North to Himalayas, to be very precise to Benog in Mussoorie hills. The work was carried on through a variety of tough terrain constituting of steep hills, wide and deep rivers, dense jungles infested with wild animals, insects and above all deadly mosquitoes as there were no chemical sprays available to kill those, especially in jungles. First, to visualize such an arc connecting distant points through an unknown track, difficult to trespass and then measure it on ground, surpassing all difficulties, was a yeoman task. In the process more people died than even in any of the wars. Hats off to persons who carried out such a stupendous task with courage, dedication and devotion without bothering about the obstacle they had to face at the cost of their own lives.

Though maps / sketches are available right from the inception of human beings in different parts of the world but to co-relate them with other regions was a big problem. It is Survey of India who produced a variety of

maps on different scales and showed how to co-relate them to meet the requirement of users. But there is a basic requirement of control which binds all together so that maps, though on different scales and covering a variety of terrain, could be viewed under one perspective to provide a desired picture of the area. What Major Lambton started on 10th April 1802 was a geodetic control which became the base of surveying in India later.

10th April, is generally kept an open day by the Survey of India and State Survey departments where they supply all the information about maps and show how a map is made and how much of effort is involved in its production and demonstrate the latest techniques adopted by the Survey of India in this direction. GPS and Laser beams have made the control work and surveying simpler but need lot of technique and precision besides security measures to ensure that the data do not fall in wrong hands as slightest lapse may do more damage than good.

Maps are required by every one for day to day life and their use can make their life easy and better. Maps should be used in every walk of life for its smooth functioning. No wonder the system of GPS fitted in cars and other vehicles not only guides one to the destination but gives shortest route. The greatest advantage is of knowing the location of the vehicle in which it is fitted so that necessary help/assistance could be rendered as and when required.

The Institution of Engineers (India), Telangana State Centre would like to organize the Survey Day on 10th April, 2019 and requests the Cooperation of all for making it a grand success.

With regards,


Dr G Rameshwar Rao, FIE
Chairman

Chairman
Dr G Rameshwar Rao, FIE

Hon. Secretary
Er T Anjaiah, FIE

Jt. Hon. Secretaries
Dr G Venkata Subbaiah, FIE
Prof. G Radhakrishna, FIE
Prof. (Dr) B Ramana Naik, FIE
Er M Aruna, AMIE

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Dr G Chandra Mohan Reddy, FIE
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VENUE FOR PROGRAMMES

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The Institution of Engineers (India)
TELANGANA STATE CENTRE

99 years of Relentless journey towards Engineering Advancement for Nation Building



All India Seminar on "Impact of Recent Policies on Mineral Industries"



The Chief Guest lighting the lamp and dignitaries presented

15-16 March 2019 : The Telangana State Centre of the Institution of Engineers (India) conducted a Two-Day All India Seminar on "Impact of Recent Policies on Mineral Industries" on 15th and 16th March, 2019 under the aegis of Interdisciplinary Coordination Committee in association with Institution of Engineers (India), Ramagundam Local Centre; Mining Engineers' Association of India (MEAI) & it's Hyderabad Chapter and Alumni of Mining Engineers' Association (Osmania University and Kakatiya Universities) and Mining Engineers' Association of India .

The Seminar was inaugurated by **Shri M Jagadeeshwar, IAS**, Principal Secretary, Department of Women, Children, Disabled & Senior Citizen, Govt. of Telangana as Chief Guest. The Chief Guest said that Mining Industry in our Country has been playing a significant role not only in providing livelihood to a large section of our population directly and indirectly but also contributes significantly to the national exchequer. The Chief Guest further said that the development of natural resources is very essential for sustaining the economy which also provides employment opportunities.

The Chief Guest also stated that sustainable development meets the needs of the present without compromising the ability of the future generations to meet their own needs. He further said India has a vast economic potential in the mineral sector owing to its significant and diverse mineral resources and the potential of mining sector to contribute towards the economic developments is influenced to a large extent by the legal and policy frameworks. India has very good National Mineral Policy and recently changes have been made giving opportunities for the Private Sector also for commercial mining in coal and other minerals, exploration of new mineral areas etc. These changes are aimed at increasing production of coal and other minerals to meet the ever increasing demand of the country.

Shri Arun Kumar Kothari, President, Mining Engineers' Association of India graced the occasion as Guest-of-Honour stated that Mining Industry has a huge potential for significantly contributing to

the economy of the Nation. He further said that Mining Engineers' Association of India has a strong base of 6000 professionals all over the country contributing immensely in all fields of mining and in the introduction of mineral reforms and thus helps in sustainable growth, boosting the economy of the Nation along with minimal social upliftment.

Er B R V Susheel Kumar, FIE graced the Inaugural Function of the Seminar as Guest-of-Honour, said that the new mineral policy would usher in scientific mining of minerals aiming towards, conservation, sustainable development, rehabilitation and social care and would be generating employment potential especially in the unorganized sector. Further, the mining fraternity would strive to impart skill development and making the next gen to enhance their employability.

Er T M Gunaraja, FIE, President, IEI presided over the Function and said that the Telangana State Centre is a dynamic Centre in organizing several programmes such as Indian Engineering Congress; International Conferences, All India Seminars and Conventions etc. As a part of Centenary Celebrations of IEI, Telangana State Centre is looking forward for many more programmes to be conducted. IEI is extending support to the society. Er T M Gunaraja further said that the year 2020 would be a memorable year in the annals of IEI. **Er B Ramesh Kumar**, FIE, Former CMD, NMDC Limited and Convener, Organizing Committee of the Seminar briefed about the Seminar. During the Inaugural Session, **Dr G Rameshwar Rao**, FIE, Chairman, IEI, TSC welcomed the gathering. **Er T Anjaiah**, FIE, Hon. Secretary, IEI, proposed Vote of Thanks.

After the inaugural session on 15th March, 2019, three technical Sessions were held wherein eight Invited Talks were delivered by eminent experts. On 16th March, 2019, two technical sessions were held five Invited Talks were delivered by eminent experts. The Panel Discussion was held on 16th March, 2019 under the Chairmanship of Er Chandra Mohan, FIE, Chairman, Mining Engineering Division Board, wherein eminent mining experts participated and shared their rich experiences. The Five Technical Sessions were chaired by experts from the mining fraternity.

Er B R V Susheel Kumar, FIE, Director, Mines & Geology, Govt. of Telangana was the Chief Guest at the Valedictory Function of the Seminar. In his address he said that Mining is one of the core sectors that drive economic growth of a country. The Government of India framed the National Mineral Policy in 2019 and thus brought out many innovative changes to promote the Mining Industry. In Telangana about Rs. 6 crores of income is generated through coal production. He further said that the Inter-ministerial body under MoM with members from Ministry of Coal, MoEF & CC, Tribal Affairs, Rural Development, Panchayat Raj, Steel including State Govt. would ensure sustainable mining with concerns for environment & socio-economic issues. **Er S Chandrasekhar** Director (Operations), SCCL, Hyderabad graced the occasion as guest-of- honour said that Engineers should come out with innovative ideas towards the development of Mining. He further stated the need to examine the minimum wages for contract workers, ambiguity in service tax, facilitation of women employment. **Shri P K Satpathy**, Director (Production), NMDC Limited in his address stressed the need to streamline the various procedures for obtaining clearances in order to facilitate increase of production of minerals to reduce imports and give enough back to the society at large.



The Chief Guest addressing the gathering

Dr H S Venkatesh, Director, National Institute of Rock Mechanics Bangalore dwelled on the importance of Information Technology and skill development and employability of engineering graduates and the vast opportunities available to mining engineers in other new fields viz civil infrastructure like underground rail/ road, metro. **Er Chandra Mohan**, FIE, Chairman, Mining Engineering Division, IEI addressed the gathering. **Dr G Rameshwar Rao**, FIE, Chairman, IEI, TSC presided over the function. Earlier, **Dr M S Venkata Ramayya**, FIE, Co-Chairman, Technical Committee welcomed the gathering. **Er K J Amarnath**, Chairman, Technical Committee presented the draft recommendations. **Er B Ramesh Kumar**, FIE, Convener, Organizing Committee proposed Vote of Thanks.

All India Seminar on "Water and Sanitation Management"

19-20 March 2019 : The Telangana State Centre of the Institution of Engineers (India) conducted Two-Day All India Seminar on "Water and Sanitation Management" under the aegis of Environmental Engineering Division, IEI in association with Hyderabad Metropolitan Water Supply and Sewerage Board, Rural Development Forum, SRC and Sustainable Development Forum, Patna on 19th and 20th March, 2019 at Hyderabad.



The Chief Guest addressing the gathering

The Seminar was organized in a befitting manner considering the importance of the subject and participation by high profile professionals who were invited to deliver Invited Talks. The Seminar has helped in exchanging the views on Water and Sanitation. About 315 delegates including Students of Engineering Colleges from Civil and Environmental Engineering have participated. The Seminar was organized in Six Technical Sessions besides the inaugural and valedictory sessions. The Sessions were devoted to presentation of Invited Talks by experts and discussions therein.

The Seminar was inaugurated by **Shri M Dana Kishore, IAS**, Commissioner, GHMC and Managing Director, Hyderabad Metropolitan Water Supply and Sewerage Board, Hyderabad as Chief Guest. The Chief Guest said that it is very much essential to create awareness among the people about the importance of Water and Sanitation. He further said that we should not waste the water. Water Supply and Sanitation should be in accordance with the population and their increasing needs. The Chief Guest also said that Telangana reached the goal of supplying water at doorstep through Mission Bhagiratha. There is a need to create awareness among the people about Water and Sanitation Management.

Dr P G Sastry, FIE, Director, Ramky Group graced the occasion and delivered Keynote Address in a lucid way and it was very much informative. In his Keynote Address said that Sustainable development (SD) has become a widely recognised goal for human society ever since deteriorating environmental conditions in many parts of the world indicate that the sustainability of human society may be at stake. Sustainable Development is 'Development that meets the needs of today's generation without compromising those of future generations'. Dr Sastry further said that Water is a critical natural resource. Water supply, wastewater, and storm water systems are linked together. Physical and institutional integration is sustained through coordinated management. In conclusion, he said that Waste to Energy is the conversion of non-recyclable waste materials into electricity, usable heat, or fuel through a variety of processes, including Combustion, Pyrolysis, Gasification, Anaerobic Digestion and Landfill Gas Recovery (LFG).

Dr G Rameshwar Rao, FIE, Chairman, IEI, TSC presided over the Inaugural Function. **Dr D Hanumantha Chary**, FIE, Past Chairman, IEI, and Co-Chairman, Organizing Committee briefed about the Seminar. **Er T Anjaiah**, FIE, Hon. Secretary, IEI, TSC welcomed the gathering. **Prof. G Radhakrishna**, FIE, Jt. Hon. Secretary, IEI, proposed Vote of Thanks.

After the inaugural session, ie. 19th March, 2019 three technical Sessions were

held wherein Eleven Invited Talks were delivered by eminent experts. On 20th March, 2019, three technical sessions were held Ten Invited Talks were delivered by eminent Experts.



The Chief Guest addressing the gathering

Dr B Janardhan Reddy, IAS, Principal Secretary, Education, Govt. of Telangana was the Chief Guest at the Valedictory Function of the Seminar on 20th March, 2019. In his address, he said that Government of Telangana is taking initiative to provide water through Mission Bhagiratha and also there is a need to create awareness among the people with regard to conservation of Water. He further said that old pipe lines should be replaced so that there will not be waste of water and also pure water can be supplied to the Public. He also said that reading meters should be fixed to the pipe lines in the area wise to control the leakage of Water. He also said that the effluents of Industries should be treated in STPs and released in water bodies like Hussain Sagar & River Musi instead of releasing them directly. In conclusion, the Chief Guest said that to reach sustainable goal providing drinking water to the public is most essential.

Dr G Rameshwar Rao, FIE, Chairman, IEI, TSC presided over the function. Earlier, **Dr D Hanumantha Chary**, FIE Co-Chairman, Organizing Committee welcomed the gathering. **Er T Anjaiah**, FIE, Hon. Secretary, IEI, TSC proposed Vote of Thanks.

KIND ATTENTION OF ALL THE CORPORATE MEMBERS OF IEI, TSC

All Corporate Members are requested to update their latest address, Mobile Number & Email ID and forward the same to: ieitelanganasc@gmail.com to incorporate in our mailing list.



WORLD WATER DAY CELEBRATIONS

March 22, 2019: The Institution of Engineers (India) Telangana State Centre organized a "World Water Day" on 22nd March, 2019 in association with Indian Water Works Association, Hyderabad Centre. The Chief Guest, **Dr T H Chowdary, FIE**, Former Advisor, IT, Govt. of A P graced the occasion and inaugurated the World Water Day 2019 and addressed the gathering. The Chief Guest made critical remarks about lack of political will on the part of all the previous Governments in utilizing the available water efficiently in our country and exhorted to emulate Israel in utilizing latest technology in conservation of water resources in the areas of drip irrigation, desalination and ground water regeneration. The Chief Guest appealed the Government to declare rivers as national property so that there would not be any future water disputes among the States.



The Chief Guest addressing the gathering

The Keynote Speaker, **Dr P G Sastry, FIE**, Director, Ramky Group graced the occasion and delivered the Keynote address on the theme of the World Water Day. Dr P G Sastry while explaining the significance of world Water Day informed the gathering to remember the history of environmental movement in the world starting with research work on indiscriminate use of pesticides by Rachel Carson "Silent Spring" and later the Report of the Commission on Environment and Development by Dr. Harlem Brundtland "Our Common Future". He emphasized the importance of creating environmental awareness among the students as they are the future of our Society.

Shri S Narasima Rao, Chief Engineer (IS & WR), I&CAD Department, Telangana; Er A Krishna, FIE, Director (Operations), HMWS&SB and Er B Ramesh, Chief Engineer, Mission Bhagiratha participated the event and addressed the gathering.

Er B Ramesh, Chief Engineer, Mission Bhagiratha said Government of Telangana has taken up the Mission Bhagiratha is a Role Model in the Country. This Mission was appreciated by

the Central Government and also West Bengal, Bihar, Odisha, Maharashtra, Karnataka and other states. He further said that at present the Water is life in a human body. Based on the population the available water is not sufficient so efforts should be made to conserve water for future generations. Every house should create Rain Water harvesting Pits.

Er V Jambul Reddy, FIE, Hon. Secretary, IWWA, Hyderabad Chapter and Member, IEI, TSCC briefed about the World Water Day. **Wg. Cdr V L Nanda Kumar, FIE** Past Chairman, IEI, APSC presided over the meeting. Earlier, **Er T Anjaiah, FIE**, Hon. Secretary, IEI, TSC welcomed the gathering and Prof **(Dr) Ramana Naik Banothu, FIE**, Jt. Hon. Secretary, IEI, TSC proposed Vote of Thanks.

SUPERANNUATION FROM IEI



Smt. N Sudha, Superintendent, an employee of the Institution of Engineers (India) will be superannuated from the services of IEI on March 31, 2019. She joined the

Institution on1982 and rendered her services to the Institution for a period of over 36 years. IEI, TSC wishes him and her family a happy and healthy retired life.

FUTURE PROGRAMMES : APRIL 2019

Date & Time	Event	Speaker/Chief Guest
10.04.2019 Wednesday 1030 hrs.	NATIONAL SURVEY DAY-2019 Theme: "Photogrammetric Surveys"	Dr I V Muralikrishna, FIE, FIS Former Dr Rajaramanna DRDO Distinguished Fellow & Director (R&D), JNTUH, Hyderabad.
22.04.2019 Monday, 1730 hrs.	WORLD EARTH DAY Theme: "Protect our Species"	
23.04.2019 Tuesday, 1730 hrs	Er Koka Krishna Mohan Rao Twenty Ninth Endowment Lecture	
30.04.2019 Thursday 0930 hrs.	One day Seminar on " Air Pollution and its impact on Safety and Health at Work "	

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