

**Report  
on  
2<sup>nd</sup> Two day National Conference on Water, Environment and Society,  
on 30<sup>th</sup> - 31<sup>st</sup> July – 2015  
at Seminar Hall, Ground Floor, New Institute of Science and Technology,  
Jawaharlal Nehru Technological University Hyderabad  
Kukatpally, Hyderabad**

Water is elixir of life and vital for survival of living beings and environment, harmonizing efficient use of water for environment and life. Water is indispensable for life and more so for man and society. The demand for water for irrigational and industrial uses also increased correspondingly to meet the requirements of the growing population. The world's water supply is a finite resource and the practice of water reuse helps to conserve it. The use of virtual water is an emerging concept in countries where the carrying capacity of a society is not sufficient to produce land and water intensive products itself. The closing of cycles should be realized at different spatial scales such as

- The rural scale, implying water conservation, nutrient and soil conservation, prevention of over-drainage and the recycling of nutrients and organic waste.
- The urban scale, both in towns and mega-cities, implying the recycling of water, nutrients and waste.
- The river basin scale, implying: soil and water conservation in the upper catchment, prevention of runoff and unnecessary drainage and enhancement of infiltration and recharge, flood retention, pollution control and the wise use of wetlands.
- The global scale, where water, nutrient and basic resource cycles are integrated and closed.

It is in this context and backdrop that the Centre for Water Resources, Institute of Science and Technology, JNTUH felt the need to organize a 2<sup>nd</sup> two

day national conference on Water, Environment and Society (NCWES-2015) to take stock of the current status of applications in water resources development and management and also to identify areas most relevant to ensure sustainable development of water resources and environment to benefit the society at large.

In addition to focal theme we have interesting themes like hydrological parameter estimation and modeling, Climate change & environment, hydropower, biodiversity, catchment treatment &EIA, Groundwater exploration, development, recharge and modeling, Water quality, irrigation management, Rain water Management and modeling, Geospatial Applications in water Resources.

The response to the brochure/circular/emails was overwhelming, 144 abstracts were received and 110 full length paper, out of which 101 full length papers were accepted for presentation spreading over eight technical sessions. All one hundred one full-length papers were selected for publication in the proceedings volume with 651 pages, which was released on the inaugural day by the chief guest Dr. N. Yadaiah, Professor of Electrical & Electronic engineering and Registrar, JNT University Hyderabad. The souvenir cum abstract is released on the inaugural day by the guest of honour Dr.G.K Viswanadh, Professor of Civil Engineering & Officer on Special Duty to VC, JNT University Hyderabad, Dr. A Jaya Shree, Professor of Chemistry, CNST and Director, IST, JNT University Hyderabad presided over the function. A souvenir cum abstract volume is also brought out with important messages from

officials of the university and a preface note on the conference is given by the Convener Dr. M. V. S. S. Giridhar along with programme schedule.

More than 150 delegates have participated in this two days conference representing most parts of the India including Bhopal, Akola, Calcutta, Kerala, Karnataka, Delhi, Tamil Nadu, Andhra Pradesh, Maharashtra, Himachal Pradesh and West Bengal, Bangalore. The total list is enclosed in Annexure – I. From the state of Telangana, we have a representation from all most all parts of the state including state government, Researchers, Academicians, private, NGO's and students from various universities.

In the Inaugural Session Dr. N. Yadaiah, Professor of Electrical & Electronic engineering and Registrar, JNTUH as chief guest have addressed the gathering and explain the importance of water for the society and for the sustainable environment and Dr. A Jaya Shree, Professor of Chemistry, CNST and Director, IST, JNT University Hyderabad has presided over the function. After inaugural function, the technical sessions was started, There are eight technical sessions with parallel sessions in different themes, the details of the technical session are herewith enclosed in Annexure –I.

The two day national conference on NCWES is focused on its attention on various themes in the form of technical sessions such as

1. Hydrologic parameter estimation & modeling
2. Climate change and environment
3. Hydropower, Bio-diversity, Water Grid and EIA
4. Groundwater exploration, development, recharge and Modeling
5. Water quality, water treatment, pollution and society
6. Water and irrigation management

7. Rain water Management and modeling
8. Geospatial Applications in water Resources

key notes were delivered by *Dr. A.D Rao*, Regional Director, Central Ground Water Board (CGWB), *Kalyan Ranjan*, Associate Vice President, Hindustan Coca-cola, *Dr. Abdul Hakkim*, Head, KCAET, Kerala, *Dr. P. V. Raju*, Head, WRM&AD, WRG/RSAA, National Remote sensing Centre(NRSC), *Dr. W.G. Prassana Kumar*, Social Scientist, APPCB.

In the Valedictory function, Chief guest *Dr. Jaya Shree*, Director, IST, JNTUH addressed the gathering. *Dr. D. Raji Reddy*, Director of Research, Professor Jayashankar Telangana State Agricultural University, Rajendra Nagar, Hyderabad, *Ramesh Kumar* AGM, National Bank for Agriculture and Rural Development and *Dr. M.V.S.S Giridhar*, Convener NCWES-2015 had participated in the Valedictory function. *Dr. D. Raji Reddy*, *Dr. Jaya Shree*, *Ramesh Kumar* spoke about the importance of conduction this conference for the society and researchers. All the participants received the certificates from *Ramesh Kumar*, AGM, NABARD. Participants from different organizations spoke about feedback of 2<sup>nd</sup> Two Day National Conference on Water, Environment and Society (NCWES-2015)

Annexure – II  
**PROGRAMME SCHEDULE**

**Date: 30-07-2015**

<b>Time</b>	<b>Session</b>
08.00 am to 10.00 am	Registration
10.00 am to 10.45am	Inaugural Function
10.45 am to 11.00 am	Tea
11.00 am to 1.00 pm	<p style="text-align: center;">Parallel session I: New IST Seminar Hall, JNTUH <b><i>Technical session-I: Hydrologic Parameter Estimation and Modeling</i></b> <b>Chairman:</b> Dr. S.B. Wadatar ,OSD to VC, Dr. P D K V Akola <b>Co-chairman:</b> Dr. Ch. Sasikala, Professor of Environment, IST,JNTUH</p> <p style="text-align: center;">Parallel session II: Room no:G-03, New IST, JNTUH <b><i>Technical Session III: Hydro power, Biodiversity, Catchments Treatment and EIA</i></b> <b>Chairman:</b> Dr .M. Viswanadham, Professor Civil engineering, Director DUFR,JNTUH <b>Co-chairman:</b> Dr. T. Vijaya Lakshmi, Assist. Prof, CEN, IST, JNTUH</p>
01.00 pm to 01.30 pm	Lunch
01.30 pm to 05.00 pm	<p style="text-align: center;">Parallel session I: New IST Seminar Hall, JNTUH <b><i>Technical Session II: Climate Change &amp; Environment</i></b> <b>Chairman:</b> Dr. M. M. Deshmukh, Assoc. Prof, PDKV, Akola <b>Co-chairman:</b> Dr. V. Hima Bindu, Assoc. Professor, CEN, IST, <i>JNTUH</i></p> <p style="text-align: center;">Parallel session II: Room no:G-03, New IST, JNTUH <b><i>Technical Session IV: Groundwater Exploration, Development, Recharge and Modeling and Quality</i></b> <b>Key note Speaker:</b> Dr. A.D Rao, Regional Director, Southern Region, Hyderabad, Central Ground Water Board (CGWB) <b>Title:</b> Ground Water Exploration, Development, Recharge and Modeling <b>Chairman:</b> Dr. B. Venkateswara Rao, Professor, CWR,IST,JNTUH <b>Co-chairman:</b> Dr. Pradeep Mehta, Research &amp; Programme Manager, Earth Watch Institute India.</p>
3.15pm to 03.30pm	Tea Break

## PROGRAMME SCHEDULE

**Date: 31-07-2015**

Time	Session
10.00 am to 1.00 pm	<p>Parallel session I: New IST Seminar Hall, JNTUH</p> <p><b>Technical Session V: Water Quality, Water Treatment, Pollution and Society</b></p> <p><b>Key note Speaker:</b> Mr. Kalyan Ranjan, Associate Vice President, Hindustan Coca-cola</p> <p><b>Title :</b> Water Replenishment is a continuous Journey</p> <p><b>Chairman:</b> Dr. Pradeep Mehta, Research &amp; Programme Manager, Earth Watch Institute India.</p> <p><b>Co-chairman:</b> Ms. C.H. Shilpa Chakra, Head, Nano Technology, IST, JNTUH.</p>
10.45 am to 11.00am	<p>Parallel session II: Room no:G-03, New IST, JNTUH</p> <p><b>Technical Session VII: Farm Management and Rain Water Harvesting</b></p> <p><b>Chairman:</b> Dr. K. Manjula Vani, CSIT, IST, JNTUH</p> <p><b>Co-chairman:</b> Dr. K. Venkateswara Rao, Assoc. Prof., CNST, IST, JNTUH</p> <p>Tea Break</p>
01.00 pm to 01.30 pm	Lunch
01.30 pm to 04.00 pm	<p>Parallel session I: New IST Seminar Hall, JNTUH</p> <p><b>Technical Session VI: Water Conversation and Irrigation Management</b></p> <p><b>Key note Speaker:</b> Dr. Abdul Hakkim, Head, KCAET, Kerala</p> <p><b>Title:</b> Performance Evaluation of Site Specific Drip Fertigation</p> <p><b>Chairman:</b> Dr. D. Raji Reddy, Director of Research, Professor Jayashankar Telangana State Agricultural University, Rajendra Nagar, Hyderabad</p> <p><b>Co-chairman:</b> Dr. A.R. Pimpale, Asst. Professor, College of Agriculture, Nagpur</p> <p>Parallel session II: Room no:G-03, New IST, JNTUH</p> <p><b>Technical Session VIII: Geospatial Applications in Water Resources</b></p> <p><b>Key note Speakers:</b> Dr. P.V Raju, Head, WRM &amp; AD, WRG /RSAA, NRSC, Balanagar.</p> <p><b>Title:</b> Geospatial Applications in Water Resources</p> <p><b>Chairman:</b> Mr. J. Venkatesh, Assoc. Professor, CSIT, IST, JNTUH</p> <p><b>Co-chairman:</b> R. S. Patode, Associate Professor, PDKV, AKOLA</p>
03.15 pm to 03.30 pm	Tea Break
04.00 pm to 05.00 pm	Valedictory Programme

## PRESS CLIPPINGS

### నేటి నుంచి రెండురోజుల సదస్సు

**కూకట్‌పల్లి(జేఎన్టీయూ):** జేఎన్టీయూ నీటి వనరుల విభాగం ఆధ్వర్యంలో నీరు, పర్యావరణం, దాని ప్రాముఖ్యతపై రెండు రోజుల జాతీయస్థాయి సదస్సు నిర్వహిస్తున్నట్లు ఆ విభాగం అధినేత డాక్టర్ ఎం.వి.ఎస్.ఎస్.గిరిధర్ తెలిపారు. గురువారం నుంచి మొదలయ్యే ఈ సదస్సు 31 వరకు కొనసాగుతుందన్నారు. వర్చిటీ ఆవరణలోని ఐఎస్సీ సమావేశ మందిరంలో సదస్సు ఉంటుందన్నారు. నీరు, పర్యావరణం ప్రాముఖ్యతపై చర్చించి అవగాహన కల్పిస్తారన్నారు. ఉదయం 10గంటలకు ప్రారంభమవుతుందని పేర్కొన్నారు. సదస్సుకు తెలంగాణ రాష్ట్ర సాంకేతిక విద్య కమిషనర్ ఎ. వాణిప్రసాద్ ముఖ్య అతిథిగా పాల్గొంటారన్నారు.

News on 30<sup>th</sup> July 2015 in Eenadu news paper Kukatpally zone about the National conference

### నీటి వనరులను పెంపొందించుకోవాలి

**కూకట్‌పల్లి (జేఎన్టీయూ):**

నీటి వనరులను మరింతగా పెంపొందించుకోవాల్సిన అవసరం ఉందని జేఎన్టీయూ ఐఎస్సీ డైరెక్టర్ ఎ జయశ్రీ అన్నారు. జేఎన్టీయూ నీటి వనరుల విభాగం ఆధ్వర్యంలో రెండు రోజుల నీరు, పర్యావరణం, వాటి ప్రాముఖ్యతపై ప్రారంభమైన జాతీయస్థాయి సదస్సు ముగింపు కార్యక్రమం శుక్రవారం ఐఎస్సీ సమావేశ మందిరంలో జరిగింది. నానాటికి భూగర్భ జల మట్టాలు తరిగిపోతుండడం, వర్షాభావ పరిస్థితులను దృష్టిలో పెట్టుకొని పర్యావరణాన్ని కాపాడుకోవాల్సిన అవసరాన్ని వివరించారు. నీటి వనరుల విభాగం అధినేత ఎం.వి.ఎస్.ఎస్.గిరిధర్ అధ్యక్షతన జరిగిన కార్యక్రమంలో ప్రొఫెసర్ జయశంకర్ వ్యవసాయ వర్చిటీ రీసెర్చ్ డైరెక్టర్ డాక్టర్ డి.రాజిరెడ్డి, నాబార్డ్ ఏజీఎం రమేష్ కుమార్, తదితరులు పాల్గొన్నారు.

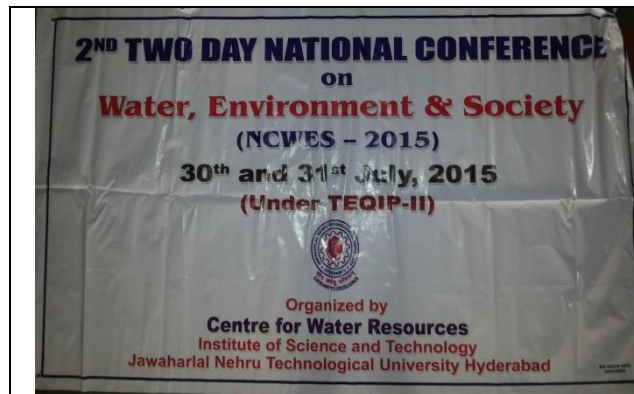


సదస్సుకు హాజరైన వారితో నిర్వాహకులు

News on 01<sup>st</sup> August 2015 in Eenadu news paper Kukatpally zone convener along with the participants of the conference.



## PHOTOGRAPHS OF THE CONFERENCE



**Banner for the Conference near the entrance**



**Welcome to NCWES**



**Participants at the Registration Desk**



**Participants in the seminar hall**

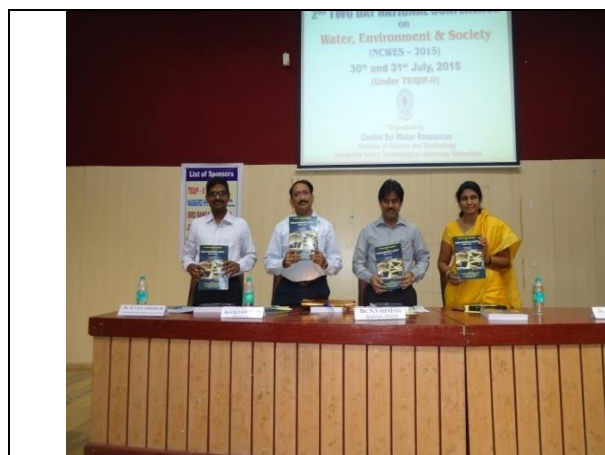


**Guests on the dais during the invocation in Inaugural function of NCWES**



**Tribute to Dr. APJ Abdul Kalam by the dignitaries**





**Release of souvenir by Guest of Honor, Dr.G.K Viswanadh, Prof. of Civil Engineering and OSD to VC, JNTUH**



**Release of Proceedings by Chief Guest Dr.N.Yadaiah, Registrar, JNTUH**



**Participants in the Seminar hall**



**Guests in the Conference**



**Key note speaker Dr. W.G.Prassana Kumar, Professor, MCHRD, Hyderabad**



**Chairman, Cochairman, keynote speaker during Technical Session.**



**Chairman, keynote speaker during Technical Session**



**Presentation by the participant in the Technical Session**



**Key note speaker : Dr. A.D.Rao, Regional Director, CGWB, Hyderabad**



**Chairman, Co chairman, keynote speaker during Technical Session**



**Key note speaker:  
Dr. P.V.Raju, Head, WRG/RSAA,NRSC**



**Presentation by the participant in the Technical Session**





**Chairman, Cochairman during Technical Session**



**Presentation by the participant in the Technical Session**



**Presentation by the participant in the Technical Session**



**Presentation by the participant in the Technical Session**



**Key note speaker:  
Dr. Abdul Hakkim, Head, KCAET, Kerala**



**Chairman, Co chairman, keynote speaker during Technical Session**



**Guests for the Valdectory function**



**Addressing the Gathering by Chief guest  
Dr.A.Jaya Shree,Director,IST,JNTUH in valdectory  
function**



**Certificate Distribution by Ramesh Kumar, AGM,  
NABARD**



**Certificate Distribution by Ramesh Kumar, AGM,  
NABARD**



**Participants along with the convener of the  
conference**



**Participants along with the convener of the  
conference**