



Tamil Nadu Water Week 2014

Theme of the event: *Water Management for Sustainable Development*

Focus: *The water week aims to focus on demand management of water resources with the finite supply side water storages and scout for better ideas for sustainable solutions of competing demand of water various sectors like agriculture, drinking, energy and other multiple uses.*

Dates: *8 to 12 December 2014 (Monday to Friday)*

Venue: *multiple venues in Madurai city as detailed in the day wise events*

Tamil Nadu and Water resources

Every day, the humanity needs more water across the State to produce food to meet the demands of about increasing population added every year. Moreover, better quality water is required to defuse the health /sanitary bombs created by human negligence in many mega cities and to preserve and upkeep the bio diversity of ecosystems for future. The fresh water resources across the State need to be protected. Neglect in protecting Tamil Nadu State heritage and/or dying wisdoms of natural resources in many parts of the State since independence could prove extremely dangerous for the survival of humanity and for all the species in near future.

Some of the Key status of water resources scenario of Tamil Nadu is

- The Tamil Nadu State accounts for 4 percent of the land area and 6% of the population, but only 3 % of the water resources of the country.
- The State gets relatively more rainfall during North East Monsoon, especially, in the coastal regions. The normal rainfall in south west and north east monsoon is around 322 mm and 470 mm which is lower than the National normal rainfall of 1250 mm.
- Similarly the per capita water availability of the state is 800 cubic meters which is the lower than then National average of 2300 cubic meters.
- The total surface water potential of the state is 36 cubic kilometers. There are 17 major river basins in the state with 61 reservoirs about 41,948 tanks.
- Of the annual water potential of 46540 MCM, surface water flows account for about half. Most of the surface water has already been tapped, primarily for irrigation which is the largest user.
- There are about 24 lakh hectare irrigated by the water through major and medium and minor sources. The utilization of surface water for irrigation is about 90 percent.

The event

A consortium on water conservation initiated jointly by DHAN Foundation, Madras Institute for Development Studies (MIDS), Centre for Water Resources (CWR), Anna University and Water Technology Centre (WTC), Tamil Nadu Agriculture University (TNAU), come together to organize Tamil Nadu Water Week every year during December on a particular theme focusing priority demand of State



water challenges and perspectives and in Tamil Nadu deliberate on key issues for arriving at possible and sustainable solutions. This was the first of its kind similar to India Water Week and World Water Week organized every year at National and International level to provide the opportunity to all the stake holders collectively discuss and resolve action leads for addressing the future challenges of water related issues.

The first edition of Tamil Nadu Water Week 2013 was convened during 9-11 December 2013 at Coimbatore along with National Ground Water Conference organized by WTC, TNAU. The focus was Water and Food Security. The partner institutions, every year would announce the theme for the year and it would be hosted at respective institutions on rotational basis. Based on the consensus, DHAN Foundation, Madurai conducted the event last year and WTC TNAU hosted the event at Coimbatore.

The second edition of Tamil Nadu Water Week 2014 is planned during 8-12 December 2014 at Madurai. The theme of the event is Water Management for Sustainable Development. TNWW 2014 could focus more on demand management of water resources for sustainable solutions of the present water resources challenges and issues for competing demand of water for various sectors like agriculture, drinking and other multiple uses.

Challenges faced by the State: Challenges faced by the state are

1. Fast pace of urbanization,
2. Degradation and/or reduction of cultivable lands
3. Lack of integrated approach on water management using both surface and ground water judiciously
4. Cost effective technologies to treat or reuse (Waste water generated at household and at industries)
5. Limited encouragement for water saving technologies
6. Lack of effective management and governance on water sector

Water productivity: Water productivity refers to magnitude of output or benefit resulting from input quantum of water as applied on unit basis. Agriculture water productivity can be expressed as physical productivity in terms of yield over unit of water consumed Tones per hectare Centimeter of water or Kilogram yield per kilogram of water consumed. Because agriculture consumes nearly about 75% fresh water for irrigation purpose. The water management in Tamil Nadu context has to focus more on strategies to curtail water usage in agriculture sector with both conventional methods and invention of new technologies.



Water Demand management: Necessity and New thinking

In its vision document, Tamil Nadu State envisaged fresh water demand of multiple sectors including agriculture is estimated around 35820 MCM in the year 2050. But the present water supply potential from 66 reservoirs in 17 river basins and 39000 minor irrigation tanks along with ground water could meet only 28361 MCM as on date. The vast gap of demand and supply in case of Tamil Nadu necessitates various stakeholders to innovate and or invent new approaches /strategies on efficient water use for higher water productivity.

VISION 2020: Shared Vision for Water Security in Tamilnadu

Warrant as well as ensure clean, hygienic, adequate and sustainable supply of water to entire human population (living both in rural and urban areas) as well as livestock in the state of Tamil Nadu

Assure the water use efficiency and reallocation of water between intra and inter sector to fulfill the future demands with restricted supply.



Treat all micro-watersheds situated in five major eco-systems through community stake owned processes and systems in a nested institutional set-up with effective coordination.

Enforce the stringent legislation to prevent degradation and decimating water resources including traditional water bodies like tanks, ponds, temple tanks and others from pollution, over-exploitation of ground water, over use and wastages.

Revive all functioning small scale common water sources (tanks, ponds, springs, swamps, etc) and defunct private infrastructures (wells) and fulfill their ecosystem functions without jeopardizing their future use by using simple, cost-effective, manageable, eco-friendly technology.

Purpose

1. To take stock of water supply and demand gaps and list out of challenges thereof
2. To showcase proven experiences and success stories from the grassroots, academia, research etc.,
3. To highlight the 'voices' of 'un heard' namely the neerkattis, small farmers and find alternative solutions for the issues faced.
4. To evolve a frame work for sustainable water demand management

Partners and events

the following partner organization along with DHAN Foundation would organize the events on the theme of the Water Management for Sustainable Development through methods such as seminars, workshops, round table and water walks, campaigns and exhibition etc at DHAN Foundation office, Tata DHAN Academy, Thyagarajar college of Engineering, Fatima college and at AC&RI, Madurai.

- WTC and Agriculture College and Research Institution, Madurai of TNAU
- Centre for Water resources Annan University, Chennai
- Madras Institute of Development Studies, Chennai
- Thiyagarajar College of Engineering, Madurai
- Fatima College, Madurai
- NABARD, Chennai
- CII, Madurai

Registration fees and last date of registration

Rs200 per day for student's participation and Rs.1000 per student for entire week

For other participants, Rs500 per participants and Rs.2500 for entire week participation is to be paid. The registration fee would cover tea snacks and lunch on every day. Lodging has to be met by the participants. The registration would be completed on or before 2nd of December 2014. The registration fee could be paid at the time of registration in cash / cheque or Demand Draft in the name of "DHAN FOUNDATION" payable at Madurai.

Papers and Poster presentation

The participants can share their abstract and poster presentation request on the relevant topics as shared day wise event schedule and acceptance will be on first come first serve basis.

Pathways

The five days intensive deliberations would end up with 'Madurai Declaration for solid actions' by the State Civil society and all relevant stakeholders.

Indicative Programme for a week

08.12.2014 9.30 am-5.00pm	09.12.2014 9.30 am-5.00pm	10.12.2014 9.30 am-5.00pm	11.12.2014 9.30 am-5.00pm	12.12.2014 9.30 am-5.00pm
Day for Launch and DVTF, Madurai	Day for WTC and AC&RI of TNAU	Day for MIDS, Chennai and TDA/TCE, Madurai	Day for CWR, Anna University, Chennai, DHAN People Academy and Fatima college, Madurai	Day for Water Walk and Concluding and Madurai Declarations of TN WW 2014
Inauguration of TN WW 2014 Launch of INFARM (Indian Network of Farmers Federations for water Resource management) Around 200 farmers leaders from federations would participate and event venue is DHAN Foundation Head office third floor, Madurai	Event by Water Technology centre and AC &RI of TNAU Madurai. The whole day event would be organized by WTC and AC&RI at its Madurai campus. The celebrations of 50 years of AC&RI would also be integrated with TN WW 2014	Event at Thiagarajar College of Engineering: One event by TCE, Madurai Alternate: Event at TATA DHAN Academy half day jointly by TDA and DVTF	Event by CWR, Anna University: Students and other stakeholders would participate from Anna University. The venue is DPA, Madurai	A WATER WALK along the Madakulam Water Stretch by Madurai Urban Region of DHAN Foundation, Madurai
People seminar on Demand management in Tank Irrigation system: experiences from the Federations of Tamil Nadu organized by DVTF	One event by WTC Coimbatore and another parallel event by AC&RI Madurai. The Pambar region farmers of DHAN Foundation would participate and collaborate with AC &RI Madurai for water management practices and agriculture development under DHANA project	Another event organized by MIDS at TDA, Madurai	Parallel event by DPA, Madurai and DVTF on Water management practices through Neerkatti's system: People seminar	NABARD Event
Parallel event of People seminar on Farm ponds as climate smart solutions in Rainfed regions organized by DVTF and CCA theme		Farmers and DVTF staff of Gundar Regions would participate and collaborate with TCE	Parallel Workshop on Vaigai River Restoration Pegeant Project at Fatima College Madurai at 3.00PM consultation with the Academic Stakeholders as part of the UGC sponsored International Conference on Solutions to Ecological Challenges: Multidimensional Perspective	TN WW 2014 Concluding and Madurai Declarations

Exhibition on DVTF and Partner Organisations product and publications during all the five days at Plaza of DHAN Foundation office, Madurai



Organised by

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