

# **Trainers' Training Programme on 'Sustainable Rainwater Harvesting and Ground Water Recharge in India - HRD and Technology Transfer'**

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## **Abstract:**

Trainers' Training Programme on 'Sustainable Rainwater Harvesting and Ground Water Recharge in India – HRD and Technology Transfer' was organized between 15 – 18th March 2011 at NIAS, Indian Institute of Science, Bangalore jointly with DST, GOI, New Delhi.

There were 28 participants in the programme from 18 participating states. The training programme focused on rainwater harvesting, ground water recharge in buildings, apartments, office complexes, corporate sectors, companies and various institutions. Open spaces both in urban and rural areas along with watershed management. The training programme was supported by 13 resource persons from various institutions of different parts of India with 16 technical presentations.

There were four Technical sessions covering the following topics:

1. Need for Rainwater Harvesting
2. Resource estimation
3. Methods of rainwater harvesting
  - a) Harvesting, recharge, conservation
  - b) Rainwater harvesting from roof tops and open spaces
4. Resource - water quality and effects (health, land, water source etc.)
5. Details of Rainwater harvesting roof tops and open spaces – design, plan, cost estimation etc.
6. Watershed Management
7. Conservation and artificial recharge, design, plan, cost estimation etc.
8. Ground water recharge - open space, dug wells, tube wells, trenches, farm ponds etc.

There were two field visits for practical exposure on Rainwater Harvesting and Ground water recharge.

The first one was in Bangalore to practically demonstrate rainwater harvesting at different sectors. The sites visited were (i) Bangalore City Corporation Public Park near Veterinary College, Hebbal (ii) Hon'ble Chief Minister's Home office "Krishna", Kumara Krupa Road (iii) Bruhat Bengaluru Mahanagar Palike Townhall (iv) Spoorthy Apartment, Malleshwaram (v) Malleshwaram Pit Colony ground

The second field visit was outside Bangalore. The places visited were Nirmithi Kendra, Tumkur, to demonstrate RWH training facilities, methods of rainwater harvesting in rural houses, huts, schools and navagramas (low cost village houses). A field visit to watershed management programme in Mailanahalli, Arisikere taluk, Hassan District and

Lakkihalli in Tiptur Taluk, Tumkur district supported by BAIF, Tiptur. This field visit was organized to demonstrate a sustainable model of water conservation combined with local resource management by involving the local community.

Hands on training was provided at Rainwater Harvesting Helpdesk at KSCST. The helpdesk is jointly established by Karnataka State Council for Science and Technology (KSCST) and Bangalore Water Supply and Sewerage Board (BWSSB) in the Indian Institute of Science campus.

The programme was inaugurated on 15th March 2011 represented by dignitaries, Mr. Sanjay Bajpai from Department of Science and Technology, Government of India, Prof. B. N. Raghunandan, Member, Executive Committee, KSCST, Prof M.S. Mohan Kumar, Secretary, KSCST, Dr. Prithviraj, Executive Secretary, KSCST and Mr. A.R. Shivakumar, Principal Investigator RWH, KSCST. The event also included few cultural programmes, visit to heritage sites like Belur and Halebeedu in the training programme.

