

Waste Water Recycling and Reuse System

Water is a precious resource, crucial to realizing the sustainable development goals, which at their heart aim to eradicate poverty. Ancient Indians know the indispensability of water for life. According to ancient beliefs, the universe comprised of five basic elements: *kshiti* (earth); *apah* (water); *teja* (light/heat); *marut* (air) and *vyoma* (ether/space). As per *Rig Veda*, all life evolved from water (*apah*). Pure water was called *divya jal* due to its properties of *sheetam* (cold to touch); *suchihi* (clean); *shivam* (replete with useful minerals and elements); *Istham* (transparent) and *vimalam lahu shadgunam* (acidic balance should not exceed normal limits). Besides, there are copious references to medicinal properties of water.

With two thirds of the earth's surface covered with water and the human body consisting of 75 per cent of it, it is evidently clear that water is one of the prime elements responsible for life on earth. Civilizations owe their evolution to water ever since the beginning of humankind. Water influenced where people lived as our ancestors formed small cities around water for agricultural reasons.

The precious resource has now become a very crucial factor of our economy. It is a vital component not only for agriculture, industry, transportation but also for forestry, recreation and environment. However country to the past, modern society has become apathetic towards this miracle of life. Rivers seas and oceans are being exploited, mistreated and contaminated leading to water becoming a scarce commodity in almost every part of the world. Precious man-days or rather woman-days are lost in searching for water for household purposes in villages. In urban areas too there are frequent fights over water. Severe scarcity of water during droughts affects agriculture and farmer's welfare leading to loss in agricultural output and quite often suicides by desperate farmers. At the same time excess of water during floods also results in immense loss of life and property year after year. This dichotomy has become a regular feature of our economy.

Realizing the gravity of the situation, experts word over are busy finding newer ways to conserve water. Governments are busy formulating policies to deal with water related issues. Indian Government has been taking a number of steps to mitigate the problems. There is a true proverb in Hindi: "***Jal hai to Kal hai***" which means if there is water only then our future is safe. However man has mercilessly misusing this precious resource given by nature. It is time that the bugle call is sounded to make everyone realize that water cycle and life cycle are one. If India is to ensure overall progress, it must manage its water

resources efficiently and this is only possible if we take wastewater treatment seriously.

The optimist might argue that the glass is half full, while the pessimist might think otherwise. However, both arguments lose steam if the glass has contaminated water, the quantity notwithstanding. Even as you read this, millions of litres of wastewater, generated in India's urban and rural areas on a daily basis, are getting dumped in its already polluted water bodies. There is a good chance that this water has already entered or may enter the human chain. What follows are outbreaks of water-borne diseases, contaminated water-related deaths, not to mention environmental damage. While on one hand we aspire to be a superpower, on the other, we are doing little to mitigate our water woes. Of the sewage generated in India on a daily basis, only 30 per cent gets treated. This means 70 per cent of untreated sewage ends up in water bodies that serve as sources of municipal water. No wonder, clean water is fast becoming a scarce resource. This perception of wastewater not being a reusable resource needs to change. While policy making will help, what needs to change is the mindset of people. Do we need more government incentives? If sewage treatment is not taken up on a war-footing, freshwater will soon vanish from Earth's surface. If India is to ensure overall progress, it must manage its water resources efficiently and this is only possible if we take wastewater treatment seriously.

Guru Arjan Dev Institute of Development Studies (**IDSAsr**) recognizes a clear need for new approaches to address the various problems in the **Recycling Waste Water and Reuse System**. In order to develop the integrated solutions; 7th **IDSAsr National Seminar** will be organized under the auspices of Guru Arjan Dev Institute of Development Studies. This seminar will put a lens on the problem while focusing on better understanding the concept, problems faced and policy solution. Further, the discussions will focus on identifying enabling conditions which facilitate the efficient water use. **IDSAsr** invites Article(s) from eminent Professors, Academics, Consultants, Practitioners, Technocrats, Research Scholars, NGOs, and Field Workers etc on different facets within the main theme of the seminar. Main objectives of the Seminar:

- 1. Problems faced in recycled water reuse**
- 2. Accessibility/technology for recycled waste water**
- 3. Regularity Measurements of recycled water reuse**

Themes and Sub-themes:

- 1. To examine the problem faced in water shortage**
- 2 To study the Accessibility of waste water use**
- 3 To analyze the technology for purification & reuse of waste water**
- 4 To examine the Regulatory measurements of waste water reuse system**

*Venue of the Seminar: Conference Hall of Guru Nanak Bhawan
Guru Nanak Dev University, Amritsar-143005*

Duration and Dates: Two days (November 25-26, 2016 tentative)

Last Date to submit the papers: 31 st October 2016

Language of the Seminar: Official language of the seminar will be English

*Organizer of the Seminar: Guru Arjan Dev Institute of Development Studies
14-Preet Avenue, Majitha Road, PO Naushera, Amritsar-143008*

Accommodation: Accommodation will be provided to all the registered delegates in various guest houses on share basis for the seminar period. Extended stay in the guest houses can be arranged against advance payment and confirmation. Hotel accommodation can be arranged against advance payment. For further detail contact 7th IDSAsr Seminar Secretariat.

*Sight Seeing: A visit to world famous **Golden Temple** will be arranged in the early hours free of cost subject to sufficient number of delegates.*

*2. A visit to **International (Indo - Pak) Wagah Boarder** will be arranged against payment if sufficient delegates opt to watch the pomp and pageantry of the **Beating Retreat** and the **Change of Guard** within handshaking distance of Indian and Pakistan forces.*

Contact

In case of any query regarding registration, you may please contact the

*7th IDSAsr Seminar Secretariat,
Guru Arjan Dev Institute of Development Studies
14-Preet Avenue, Majitha Road,
PO Naushera, Amritsar-143008*

e-mail:idsasrsectt@yahoo.com; idsasr@gmail.com

Tel: 91-183-2426045