

## **Minutes of Meeting Held on 09.02.16 at Ministry of Environment, Forest & Climate Change, New Delhi .**

**Sub: Technical meeting cum workshop with Various Stakeholders for Textile Sector for deliberation on proposed standards and technological interventions required for water conservation in Textile sector.**

The meeting was chaired by Chairman, Central Pollution control Board, CPCB MS, Additional Director & Scientists also participated.

Participants:

1. CETP Representatives from various states,
2. Textile Associations from Various states
3. Representative IL & FS Cluster development Initiative Limited,
4. Representative from Stockholm International Water Institute
5. Officials From Ministry of Textiles, Gujrat SPCB – MS, UP – PCB & MPPCB

### **Presentation Issues related to Textile Sector - by Dr.Madusudanan, Add Director –CPCB**

In his presentation the Operational issues, O & M Cost incurred for achieving ZLD in Tamil Nadu

As per the data the cost incurred for treating one KL of textile waste water to achieve ZLD in CETP is @ Rs. 230/-

The Net cost after saving – Rs 130/KL of Treatment

The water recover (RO)through Textile CETP is various between – 64% - 90%

The Reject generated is treated through Nano permeate is used as brine sol, MVR Concentrate of 100 – 125 gpl ,& Recovered Salt utilized for Dyeing.

The Major issues to be taken care in the Textile waste water is Colour, TDS & Salt disposal.

## **Presentation from the Industrial Sector**

On behalf of CITI, Shri D.L. Sharma, MD presented the Sector Production Datas, Growth , Global Discharge stds followed in the various countries and various options norms (Irrigation, Treated water mixed with treated Sewage for Irrigation/ Discharge & Discharge to water Bodies) for the Textile Treated water discharge after meeting the CPCB/PCB.

### **The queries raised by the participant in the meeting:**

1. ZLD is not a viable method for Textile Waste water Treatment.
2. The Capital, O & M cost for the treatment is not viable one for the Textile sector.
3. The existing location units are not having sufficient space for the upgrading the ETP installations & Shifting of unit is not viable one.
4. The state Govt. should take care on Treatment facilities.
5. Govt. subsidies to be granted to IETPs like CETPs installations.
6. Higher Deforestation due to Steam generation for MEE operations & Disturb global carbon print.
7. Treated water has to be mixed with Treated sewage and utilized for Irrigation.
8. The industries who ever meet the stds can discharge their treated water to Surface water Bodies.
9. The treated water can be utilized for Irrigation.
10. The MoEF latest discharge norms (1.1.16) has to be implemented for the IETPS.
11. Marine discharge is the way for RO reject disposal.

### **Gujarat PCB MS pointed out the following:**

- i. Treated water can be mixed with sewage for treatment & Discharge.
- ii. ZLD is not a solution for the treatment,
- iii. Gujarat treated sewage being utilized by the industries at the cost of Rs 18 – 20/KL.
- iv. SPCB's should be strict on their discharge norms.
- v. Pointed out for the Irrigation & discharge through Sewer/water Bodies.
- vi. Surat & Ahamadabad Treated Sewage water is supplied to industries.

**After Noon the meeting was presided by MS Gujarat PCP&Dr.Madhusudhanan Add. CPCB and discussed the following:**

1. Land Required for the installation 1 MLD ZLD Plant will be – 1.5 Acres
2. The Cost for Installation of ETP, RO , MEE and Utilities – Rs 15 – 18 crores
3. Operation Cost of ZLD – Rs 225/KL
4. The Cost of water in various states
  - i.Gujarat – Rs 18 – 22/KL
  - ii. UP – Rs 25/-
  - iii. Maharastraha – Rs 22/Kl
  - iv.Tamil Nadu Rs 75/KL (Tiruppur)The savings will be based on the above cost for the unit
5. The Cost for the installation of 1 MLD Chemical & Biological treatment plant will be - Rs 2.5 Crores& the O & M costwill be Rs 15/KL.
6. Treated water can be utilized for Irrigation.
7. Treated water can be mixed with treated Sewage to achieve discharge norms with their own / Public sewer system.
8. Industries meeting the std can discharge the water to Irrigation/Surface water.
9. Marine discharge to be initiated.
10. The ZLD normswill need further working.

**The Concluding session Chairman CPCB & MS CPCB participated and the points clarified in the afternoon session will be taken care and the CPCB will organize a meeting with few peoples for further clarification.**