

## **Webinar Title: Adopting 9R's Principles for Sustainable Waste Management**

**Registration Fee (including GST):** Rs 299/- (Rupees Two Hundred Ninety Nine Only) per participant inclusive of GST

**Expert Speaker (Name/ Designation)** –Capt. Manju Minhas, Founder and director,  
Sifar Zaya Environmental Sustainability Trust

**Webinar Date:** 06.12.2020 **Duration:** 11.00 am to 12.00 hours( One hour)

### **About Webinar (Brief One para): -**

As citizens of a society we have a responsibility to manage our waste sustainably. The principles of waste management state that waste must be dealt with as high up the Waste Management Hierarchy as possible. Since all waste disposal options have some impact on the environment, the only way to avoid impact is not to produce waste in the first place, and waste reduction is therefore at the top of the hierarchy. Re-use, followed by recovery techniques (recycling, composting and generating energy from waste) follow, while disposal to landfill or by incineration, the worst options, are at the bottom of the hierarchy. Although the hierarchy holds true in general terms, there will be certain wastes for which the waste management options are limited or for which the 'Best Practicable Environmental Option' (i.e. the option causing least environmental impact) lies towards the bottom of the hierarchy. In deciding what is the most appropriate disposal route, both environmental and economic costs and benefits need to be considered. This decision should be reached taking into account all the costs and impacts associated with waste disposal,

Wherever possible the Proximity Principle should be applied. This recognises that transporting waste has environmental, social and economic costs so as a general rule, waste should be dealt with as near to the place of production as possible. This has the added benefit of raising awareness about waste and encouraging ownership of the problem at the local level

The world generates 2.01 billion tonnes of municipal solid waste annually, with at least 40-50 percent of that not being managed in an environmentally safe manner. Looking forward, global waste is expected to grow to 3.40 billion tonnes by 2050 with rising population, urbanization and consumerism. We are aware of 3R's Principle for effective waste management but it is evident that the challenges of humongous waste generation and depletion of natural resources need a paradigm shift in how we are dealing with the situation and a serious commitment at all levels. These challenges can be converted into opportunity by changing our practices from linear to circular economy based models with inculcating 9R's approach in our production and operations which include Rethink, Refuse, Reduce, Reuse, Refurbish, Redesign, Recycle, Recover and Rot.

This webinar is aimed to share in-depth knowledge on all the elements of 9R's approach, existing successful models and case studies on implementation of 9R's and helping organizations as well as society to resolve the waste woes and improving resource utilization efficiency as well in the process.

**Webinar Coverage:-**The overview of content is as under:

1. Understanding present waste woes and Challenges
2. Principles of waste management and Waste Management Hierarchy
3. Concept and elements of 9R's Principles/approach
4. Successful models and case studies of organizations implementing 9R's approach for sustainable waste management

**Speaker Profile (Brief One Para & Photograph) :-**

Capt. Manju Minhas: An ex officer of Indian Army, a technically qualified professional and a social entrepreneur working in the environmental ecosystem especially sustainability, waste management and circular economy with more than 15 years of academic ,industry and social sector experience, a Civil Engineering Degree from Delhi College of Engineering and post graduation in Environmental Engineering helping individuals and organizations to move towards Zero waste and sustainable development goals. Believes that mindful living at individual and organizations level is key to the better world.

**Register to learn (Key Learning's' in bullet points):**

- Principles of waste management and Waste Management Hierarchy
- 9R's Principles
- Case studies of organizations implementing 9R's Principles/Approaches

**Date: 06.12.2020**

**Time Slot: 11.00 am to 12.00 hours (Forenoon)**

**With kind regards**

**S.P.Singh  
Regional Director  
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