- **e-Learning Course Title:** Metal Waste Management

- **About e-Learning Program (Brief One para): -** How do we ensure a continuous supply of the increasingly scarce raw materials that are needed to make the products we use every day? In this course, we will look at the potential benefits of circular procurement and how recycling technologies and more efficient ways of collecting and recycling critical raw materials can make business and production more resource resilient.The intent of this programme is not just to talk about the various challenges related to metal waste, but also to see the possible opportunities and sustainable development leading to a gradual economic growth and an overall reduction in the level of environmental pollution.

e-Learning Course Coverage (Specify Module details)

- To achieve these course objectives, this course consists of the following 6 modules:

- Module 1- Introduction and overview
- Module 2- Ferrous and non-ferrous scrap metal
- Module 3- Metal recycling process
- Module 4- Importance of recycling metal
- Module 5- Metal recycling industry, challenge and opportunity

- Module 6- Steel scrap recycling policy 2019 (Govt. of India)

Register to learn (Key Learnings' in bullet points)

Module 1- Introduction and overview

- To look at metal waste management from a global perspective
- To promote metal recycling industry through better waste collection system, separation and sorting processes.
- The global metal recycling market is segmented on the basis of metal type, end-user industry, and geography.
- Based on metal type, the market is segmented into ferrous metals and non-ferrous metals.

Module 2- Ferrous and non-ferrous scrap metal

- Ferrous metals contain some degree of iron
- Non-ferrous metal does not contain iron as a component
- Scrap metal is further categorized as either obsolete or prompt scrap

Module 3- Metal recycling process

- Metal recycling is the process of taking waste metal, processing it and creating new metal material
- The different stages of metal recycling

Module 4- Importance of recycling metal

- Preservation of natural resources
- Reduce mining
- Reduce pollution
- Economic development

- Management of energy consumption

Module 5- Metal recycling industry, challenge and opportunity

- How to recapture more material for recycling?
- Metal recycling technologies
- Auto recycling

Module 6- Steel scrap recycling policy 2019 (Govt. of India)

- Steel is a material most conducive for circular economy as it can be used, reused and recycled infinitely.
- Used or re-used steel in the form of Scrap is the secondary raw material for the steel industry.
- National Steel Policy 2017 (NSP-2017) aims to develop a globally competitive steel industry
- The policy aims to provide a framework for carrying out recycling activities in a scientific manner
- The policy aims to promote circular economy in the steel sector.