

Our Environmental Technical Standard encapsulates our approach, where all our operations are obliged to avoid if possible, or otherwise minimise, adverse impact on the environment from our operations through effective management systems and processes that work towards continuous improvement of our environmental performance. We conduct intensive audits and monitoring of processes and practices to continually streamline and improve our units' sustainability performance. Collaboration with the country's premiere technical institutes, global experts and technology consultants enable us to assess and improve the company's sustainability initiatives. Currently our Charge Chrome Plant is ISO 14001:2015 certified for Environment Management Systems.

## **Water**

Our approach is outlined in our Water Management policy and delivered through implementation of our water management standard. We have put in place several water management best practices to ensure minimal freshwater intake, while we treat, recycle and reuse as much water as possible in our processes. We facilitate the integration of water management into our decision-making processes and are rigorous in implementation of our 'ZERO DISCHARGE' policy, which helps us focus on effective utilization of water and minimization of wastage.

### Water Management: Net Water Positive by 2025

Our group water management standards drive the interventions for improved water management practices across our business operations. Our water policies, standards, and SOPs ensure that our operations have built-in measures to evade, curtail, or where required, compensate its effect on water in their respective regions.

In line with this, we have taken a robust target to achieve Water neutrality by the end of FY'24 and Net Water Positive by the end of FY'25. To achieve the targets, we have constituted a Water Committee who will identify, prioritize and execute initiatives which will contribute to make FACOR as Water Positive.

## **Biodiversity**

Our biodiversity policy guides our actions in a manner that allows biodiversity conservation to be integrated throughout our projects' life cycle, including decommissioning, closure and restoration. Our aim is to achieve a minimum of No Net Loss (NNL) of biodiversity and Net Positive Gain (NPG) of biodiversity (in case any critical habitat is present) at all our operations.

In recent years, we have conducted several plantation drives at our various locations of Mines and Charge Chrome Plant, Power Plant.

## **Energy**

Our Energy and Carbon Policy commits our operations to adopt and maintain global best practices in carbon and energy management and minimise greenhouse gas (GHG) emissions. We carefully consider our approach to energy use, including investing in best-in-class engineering solutions and smart technologies to maximise efficiencies. We are also exploring and experimenting with renewable energy sources to build capacity and create a viable & sustainable energy mix for our operations. Currently our Charge Chrome Plant is ISO 50001:2018 certified for Energy Management Systems.

## **Carbon**

Our Energy and Carbon Management Policy and Performance Standard commit our operations to adopt and maintain global best practices in carbon and management and minimise Greenhouse Gas (GHG) emissions. Our GHG intensity reduction goals are aligned with the Nationally Determined Contributions (NDC) of GHG intensity reduction of the Government of India. In terms of GHG emission, we have taken a robust target of reducing our GHG emission intensity by 50% before the end of FY'25.

## **Air**

We closely monitor the extent of any impact that our operations have on air quality, and the effects and implications that this may have on employees, the communities local to our operations and the broader environment. All our operations have deployed continuous Environment Monitoring Systems which acquire real-time data for various environmental parameters to monitor the impact of our operations on the airshed quality and effectiveness of our controls.

## **Waste**

Vedanta's waste management system is built to handle waste in an efficient and responsible manner. FACOR is guided by 'The resource use and waste management' Technical Standard and supporting guidance notes, which are part of the Vedanta Sustainability Framework. We follow the principle of first reducing the waste, quantitatively as well as qualitatively (reducing the toxicity), and then performing the recovery and recycle (either ourselves or by authorized recyclers). We want to minimize disposal through landfill or by incineration.

The wastes of greatest concern are those categorized as hazardous wastes and those that are present in large quantities – categorized as high-volume-low-effect wastes. The hazardous wastes are sent to government authorized handlers or recyclers. High volume- low-toxicity wastes are stored in tailings or other secure landfill structures before being sent to other industries as raw materials – thereby recycling the waste stream. Other non-hazardous wastes are sent for recycling, disposed, or incinerated.

### **Case Study**

#### 100% utilization of flue dust as pellets

The off gas generated in the process of ferro chrome making from the furnace is handled through GCP. The dense particles are settled in the cyclone separator/dust catcher. These are recycled through the process of briquette making. The final particles which are collected in Bag House are taken to palletization and are being fed to. This is how we are reusing 100% of the flue dust.