



We reduced carbon footprint of our largest aluminium smelter by 12% in FY22!

We are proud to share that our largest aluminium smelter (located at Jharsuguda, in Odisha) has substantially reduced its carbon footprint by around 12% in FY22 over the previous fiscal, while increasing production volume by 20%. Historically, Vedanta Aluminium has reduced its GHG emissions intensity by 21% in the 2012-21 period, while almost tripling our production in the same period.

- First among Indian aluminium producers to launch low carbon 'green' aluminium, branded 'Restora'
- India's largest consumer of renewable energy in FY22 at 3 billion units
- Planted 4 lakh more trees in FY22
- Ranked 4th on Dow Jones Sustainability Index in 2021

Being India's largest producers of aluminium, we firmly believe in our role as climate action stewards while being industry leaders. We have set ambitious targets for ourselves on our road to Net Zero Carbon by 2050, with the first milestone being 25% reduction in GHG emissions intensity by 2030.



Rahul Sharma, CEO - Vedanta Aluminium

### WORLD ENVIRONMENT DAY

A dialogue with Afroz Shah, UN Champion of Earth

### **HSE & SUSTAINABILITY**

India's largest EV forklift fleet

#### **DIGITAL & INNOVATION**

First electric tanker piloted

#### COMMUNITY DEVELOPMENT

Employees volunteer to clean community ponds

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Jharsuguda trims carbon emissions by 12%

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## **GREENIFYING THE PLANET**





### **WORLD ENVIRONMENT DAY**



## UN 'Champion of the Earth' Afroz Shah speaks to employees on individual responsibility

We hosted an inspirational dialogue with UN 'Champion of the Earth' Afroz Shah, on 'Individual Responsibility for our Shared World'. A lawyer by profession, Afroz is a globally renowned environmentalist, famous for being the driving force behind the largest beach clean-up (Versova, Mumbai) in the world!

To access the talk, click here.



## Awareness Rally & Cleanliness Drive at Jharsuguda

An awareness rally for the residents of the Vedanta Jharsuguda township was among the many initiatives held at the unit to mark World Environment Day. A cleanliness drive was also organised where employees volunteered to clean the local community areas. More than 4000 saplings were also planted at multiple locations in Jharsuguda. If that wasn't all, painting and quiz competitions were also conducted for children.





## Hon' Union Minister Smriti Irani visits our Nand Ghar in Chhattisgarh

Hon'ble Union Minister of Women and Child Development, Smt. Smriti Irani, visited our Nand Ghar at Uparwara in Raipur, Chhattisgarh on World Environment Day. She spent the day with the kids and planted saplings with them. She also appreciated the efforts of Smt. Renuka ji, our Nand Ghar didi, who works relentlessly to ensure that the nutrition needs of children are met.



## Community awareness campaign on environmental issues

An awareness campaign on environmental water issues such as bush fires, conservation, waste management, etc. was organized by our Lanjigarh team for the local folk. At the event, the community members learned tips & tricks minimizing personal carbon footprint. Many of them also won prizes in a spot quiz reiterating the learnings from the program.

### **HSE & SUSTAINABILITY**

## vedanta transforming for good

## Commissioned India's largest Lithium-Ion battery powered electric forklift fleet

India's largest lithium-ion battery powered electric forklift fleet is now proudly operational at our Aluminium Smelter in Jharsuguda! This 'green' fleet can potentially reduce diesel consumption by more than 2.5 lakh litres annually, thereby saving GHG emission of nearly 690 tonnes of CO2 equivalent. The fleet has Smart Fleet Management which uses IoT technology to help ensure the highest levels of safety at site.



## 'Srishti Sanrakshan Sammelan' organised at BALCO on World Biodiversity Day

Several programmes at BALCO were planned in the leadup to World Biodiversity Day. Srishti Sanrakshan Sammelan was aimed at sensitizing employees, business partners, families and the public at large on the importance of and need to conserve biodiversity, even at an individual level. A jungle trail was conducted for children to inform and sensitize them towards the rich biodiversity present around them.





## BALCO greenifies its fuel mix with biomass for power generation

Our subsidiary BALCO is greenifying its fuel mix for thermal power generation with biomass briquettes to reduce its reliance on fossil fuel. This initiative has the potential for decreasing BALCO's GHG emissions by 4.3 lakh tonnes of CO2 equivalent annually, in a strong stride towards Vedanta Aluminium's target of Net Zero Carbon by 2050.



## Bird Conservation Projects kickstarted at Jharsuguda & Lanjigarh

We have embarked on conservation projects for indigenous bird species across our operations. We are constructing bird houses, artificial nests, and bird baths at multiple locations inside our plants and townships. Supplementing the effort, we are developing fruit orchards and gardens with medicinal plants, and reviving butterfly parks.

### **DIGITAL & INNOVATION**



## Ladle cleaning shop mobile application and dashboard

We have launched a mobile application and dashboard for facilitating smooth operations at Ladle Cleaning Shops (LCS) at our cast houses in Jharsuguda. This is aimed at improving the longevity and fitness of ladles by enabling daily tracking of operational parameters, relining status and turnaround time, thus ensuring effective and efficient shopfloor management and elimination of paperwork.



## First electric tanker piloted for alumina transportation

Vedanta Jharsuguda has added to its growing electric vehicle fleet by piloting the first electric tanker to be used in transportation of alumina. A single tanker can reduce diesel consumption by more than 18,000 litres annually, thereby curbing 50 tons of carbon emission.



We are leveraging smart solutions to improve productivity, operational efficiencies, safety and more. With GLASS, our employees at BALCO are accessing expertise on the go in remote locations. It enables our teams to experience a first-person view of the GLASS wearer's perspective and collaborate with them in real time, thus bringing solutions right where it is needed and fast.





### 'Suraksha Sankalp Kutumbh' leveraging technology for safety

BALCO's Suraksha Sankalp Kutumbh is an umbrella project for digital transformation of safety. It has 5 modules, including AR, VR and Mixed Reality Training Centre, Video Analytics, Sustainability Mobile App, Elearning course on Safety Modules for Competency Building, and Digitalization of Workforce Connectivity.

### **COMMUNITY DEVELOPMENT**



## Employees volunteer funds to buy smokeless chulhas (cooking stoves) for communities

Employees from our Lanjigarh unit personally contributed funds to purchase fuel-efficient 'smokeless' chulhas, which were then distributed to 30 households in nearby villages. They also sensitized communities on the need to transition from traditional chulhas (cooking stoves) to cleaner and eco-friendly cooking methods for better health and environmental preservation.



# Community ponds restoration drive kicked off at Korba, Chhattisgarh

Our employees kicked off the annual cleaning of local water bodies and community ponds, by volunteering for the activity. Every year, we undertakes extensive deep cleaning of ponds and local aquatic bodies in the summers so they can be naturally recharged and rejuvenated during monsoons. This helps ensure postmonsoon water availability for household purposes, irrigation and livestock maintenance, while helping maintain general ecosystem balance.





## Sporting gear sponsored for teams in Mo School Hockey Tournament

We sponsored sporting gear for teams participating in the 'Mo School' Hockey Tournament at Jharsuguda, Odisha. The Mo School Abhiyaan is a Govt. Of Odisha initiative to address the needs of schoolgoing children and enable & support schools with adequate infrastructure and technology, so they can provide a wholesome and nurturing environment to children during their formative years.



## **Storage shed for Farmer Producer Organisation**

BALCO has established a storage shed for the Farmer Producer Organisation (FPO) 'Nav Kisan Bahu Uddeshiya Sehkari Samiti Maryadit'. The storage shed-cum-input shop will help over 500 members of FPO with their business and will also benefit local farmers in getting quality input material at lower costs for their agriculture practices.

### **COMMUNITY DEVELOPMENT**



## World Menstrual Hygiene Day observed across locations

BALCO organized a series of activities such as wall painting, awareness rallies, slogan writing and poster making in commemoration of Menstrual Hygiene Day, under the project Nayi Kiran. At Lanjigarh, awareness sessions for women and schoolchildren were conducted and innovative comics dispelling myths on menstruation were also distributed to the participants.



### Lightning safety awareness program at Jharsuguda

Team Jharsuguda conducted a lightning safety awareness program for the local community as part of disaster preparedness for the upcoming monsoon season. The program reached out to various schools and colleges in Jharsuguda, including Nand Ghars, where our employee volunteers demonstrated various lightning safety protocols and ensured that people were adequately prepared for emergencies during the monsoon.





## Skill training students go on immersion visit to hospitality industry

We took trainee students under our Skill Training Program at Lanjigarh on a field visit to Orion Hotel, to help them learn the finer aspects of the job role of a housekeeping attendant. 28 trainee students visited the hotel premises to gain first-hand experience and learn best practices from the highly trained hotel staff. This was the third such visit conducted as part of the program.



## Jal Seva Shibir launched to alleviate heat distress

We have launched 'Jal Seva Shibirs' across high footfall areas in Jharsuguda and Bhubaneswar to provide drinking water and cold beverages for helping local travelers get some respite from the raging summer heat. Water kiosks have been set up at multiple locations to serve cold drinking water, lemonade, buttermilk, etc. to around 10,000 people daily.

### **AWARDS & ACCOLADES**



Vedanta Jharsuguda bags 'Sustainable Manufacturing Excellence Award' at Times Business Awards 2022



Vedanta Lanjigarh bags Bronze at the 6th CSR Health Impact Awards



BALCO receives IMC RBNQ Milestone Merits Recognition at 25th IMC Ramakrishna Bajaj National Quality awards



Kids from Vedanta Jharsuguda make a mark at the 1st National-level skating competition organized by Roller Skate Federation of India

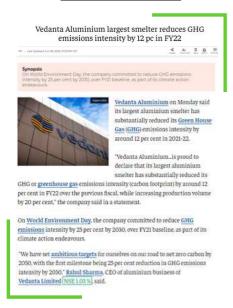




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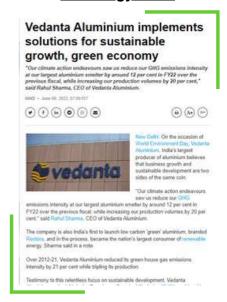
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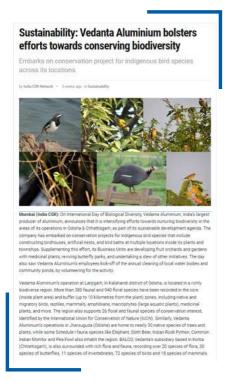
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