

03 December 2021

BSE Limited Phiroze Jeejeebhoy Towers Dalal Street Mumbai: 400 001 Scrip Code: 500440	National Stock Exchange of India Limited Exchange Plaza, 5 th Floor, Plot No. C/1, G Block, Bandra Kurla Complex, Bandra (East) Mumbai – 400 051 Scrip Code: HINDALCO
Mr. Daniel Schammo Banque Internationale A Luxembourg Societe Anonyme 69, Route d'Esch L-2953 LUXEMBOURG Fax No. 00 352 4590 2010 Tel. NO. 00 352 4590-1	

Sub: Investor Presentation for -Investors Conference (Virtual) to be attended by Hindalco Industries Limited ('the Company') on 03rd December 2021

Ref: Regulation 30 of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 ('Listing Regulations')

Dear Sir/ Madam,

Please find the Investor Presentation for the Investor Conference (Virtual) to be attended by the Company on 3rd December, 2021

This is for your information and record.

For **Hindalco Industries Limited**

Anil Malik
President & Company Secretary

Encl : as above



Hindalco Industries Ltd.



2nd Jefferies India ESG Summit 2021
Presentation on Sustainability @Hindalco
3rd December 2021



Sustainability @ Hindalco

WE MANUFACTURE MATERIALS THAT MAKE THE WORLD

GREENER



STRONGER



SMARTER



Achievement at Dow Jones Sustainability Index (DJSI)

- Hindalco maintained its position as an **Industry Leader, ranking 1st** among **Materials Sector – Aluminium**
- Hindalco is out of the **only 5** Indian companies listed in the **DJSI World Index**

Scores	Company Name (Aluminium Industry)
73	Hindalco Industries Limited
69	Peer 1
65	Peer 2
28	Peer 3
19	Peer 4
16	Peer 5

Our ESG Commitment

E

ENVIRONMENT

- Continued Emphasis On Recycled Content
- Net Carbon Neutrality By 2050
- Zero Waste To Landfill By 2050
- Water Positive In Mining Locations By 2050
- No Net Loss On Biodiversity By 2050



S

SOCIAL

- Zero Harm-occupational Health And Safety
- Diversity And Inclusion
- Commitment To Community And Society Along With Creation Of Sustainable Livelihood
- Affirmation To Human Rights



G

GOVERNANCE

- Highest Level of Values And Transparency
- Strict Adherence of Code Of Conduct
- Best in class in Corporate Governance
- Highest Levels of Information Security/Cybersecurity
- Customer and Supplier centricity



What Does Sustain-ability Mean To Hindalco?

It is about Hindalco's ability to sustain in wake of megatrends and stakeholder expectations

RESILIENCE

Resource Security

- Fully integrated aluminium business model providing support in low commodity cycle
- Long term supply contracts with miners assures uninterrupted supply of copper concentrate

Balanced Product Portfolio

(LME v/s Non-LME linked Businesses)

- On a consolidated basis, ~80% EBITDA was non-LME Linked in FY21

Strong Balance Sheet

- Consolidated Net Debt to EBITDA at 1.93x as on 30th September 2021 versus 2.59x as at March 31st 2021.

RELIABILITY

Operations

- Operational excellence based of safety and Quality
- Digitalization to drive productivity

Stakeholder Engagement

- Supplier Engagement
- Customer Centricity
- Employee Stewardship

Product Stewardship

- Focus on downstream Value-Added Products
- Recycled Metal

RESPONSIBILITY

Environment Sustainability

- Environmental Stewardship
- Climate Change

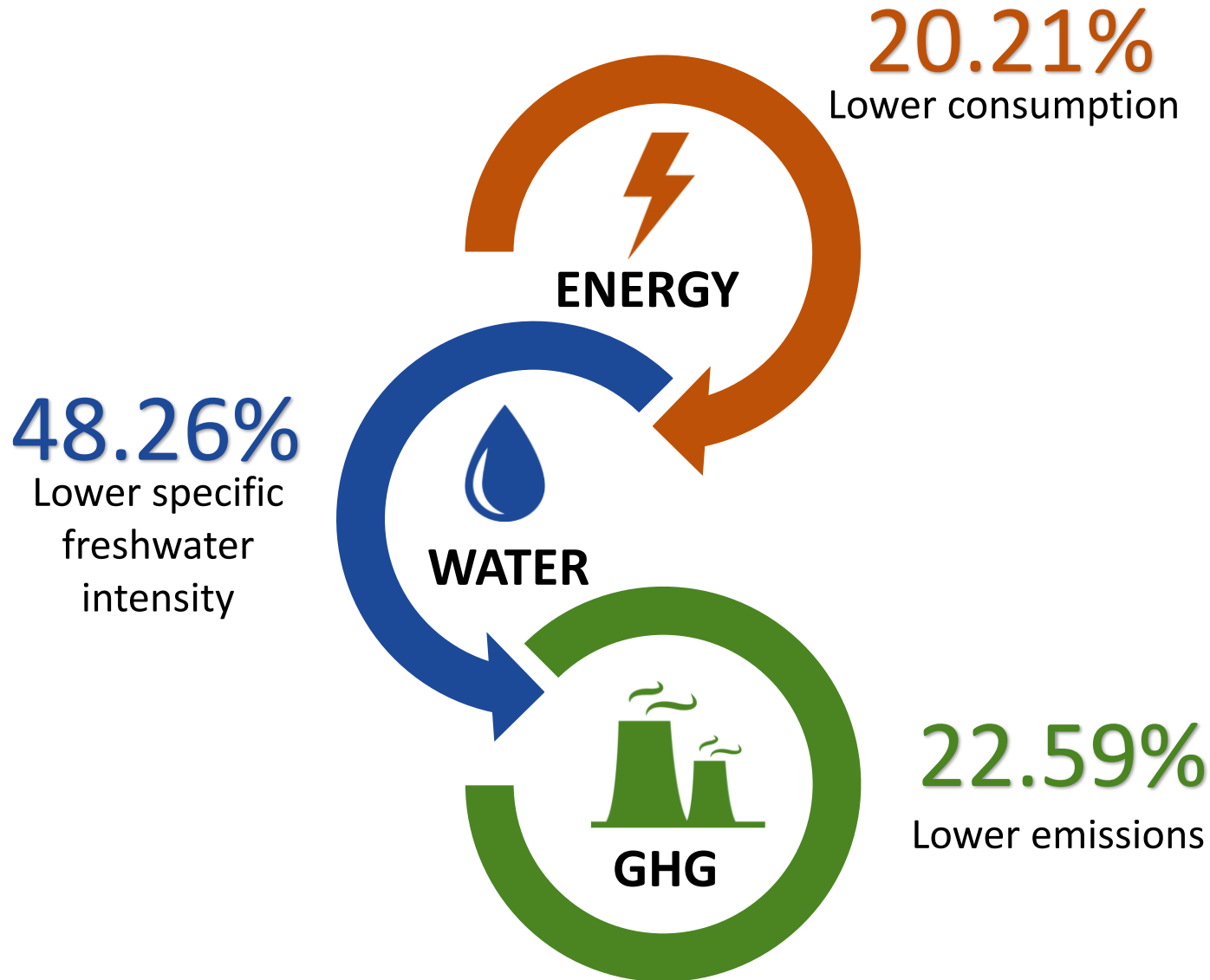
People

- Occupational Safety & Health
- Human Rights

Community

- Social Initiatives (CSR)

Hindalco's Progress from FY 2010-11 till FY 2020-21



Waste Management



More than 80% of our wastes* go for recycling and reusing

**Includes bulk wastes, hazardous and non-hazardous*

Hindalco : Focus on Conservation: Waste, Water, Biodiversity

Environment

Waste Recycling

- **84%** of waste recycled and reused in H1 FY22
- **90%** of Red Mud from three out of four Alumina Refiners reused majorly in Cement Industries in H1 FY22.
- Utkal is conducting pilot projects for mine backfilling and roads.
- **90%** of Ash from Power Plants reused in alternate applications in H1 FY22

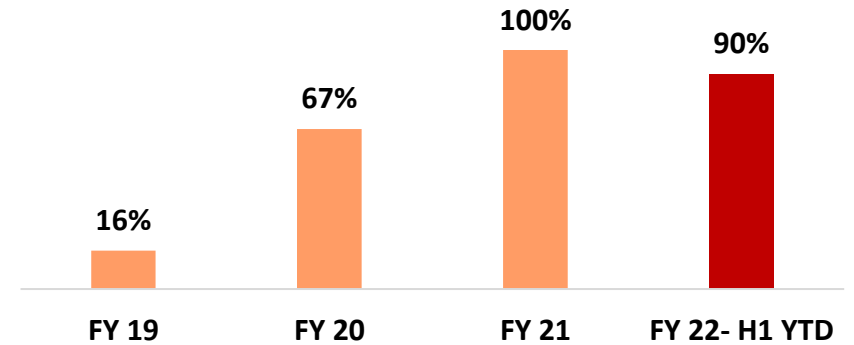
ZLD & Water

- 3rd Party assurance of 7/23 mine sites for water accounting conducted inline with **ISO 14046**
- Water Audit completed at Hirakud; Identified new projects for Water Saving opportunities of ~ 5,000 Kilo Litres/Day
- Rain-Water Harvesting projects completed at 3 plant locations in H1FY22
- 11/15 sites are ZLD; adding one site per year, Committed to **ZLD at all sites by 2025**.

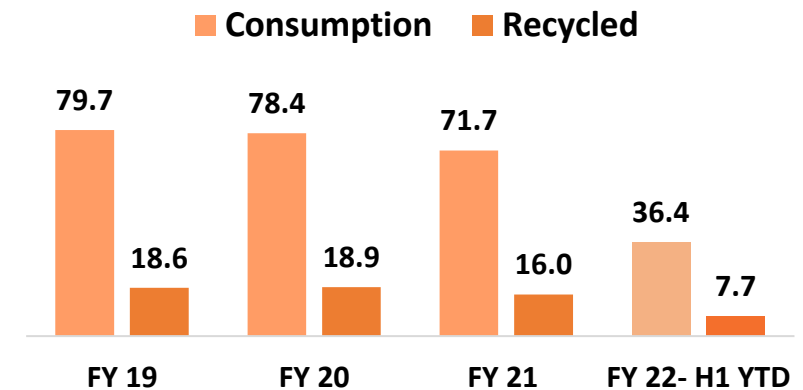
Green Cover & Biodiversity

- Biodiversity Management Plan (BMP) completed for 2 plants & 2 mine sites; under preparation for 4 mine sites.
- **Enhanced the green cover by 236 acres in H1 FY22**; cumulative green cover across all sites is spread over 4,909 acres
- **Normalized Differential Vegetation Index study** completed at Hirakud to determine green belt health and ensure green cover

Total Bauxite Residue (% Recycled from 3/4 Refineries)



Water Consumed & Recycled (million m3)



Hindalco : Focus on Renewables & Safety

Renewable Energy

Total Potential – 246 MW; Target to reach 200 MW by FY25
FY22 (Target 100 MW) – 56 MW of Solar projects already completed

Status of 42 MW under implementation in FY22

- 35 MW Mahan Solar Project Installation is completed; commissioning is in progress.
- 7 MW - Mouda Solar Project is in progress; target Commissioning in Dec'21.

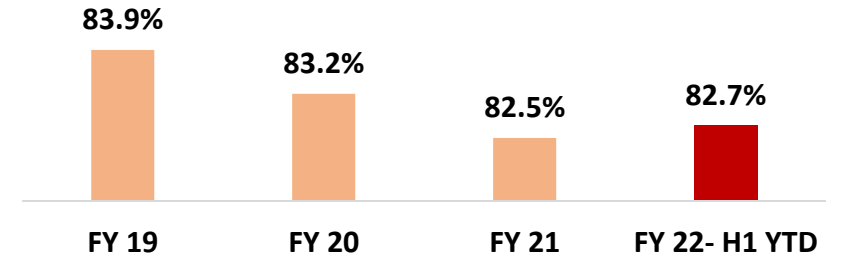
Status of New Projects (96 MW) FY23-25

- 32MW Aditya & Mahan Floating Solar & Mouda Solar with Storage - Technical Specification finalised; Contract finalisation in progress
- 44 MW Belagavi Solar plant - Feasibility & assessment is in progress
- 20 MW Renewable Hybrid project for Dahej – Term Sheet under finalisation

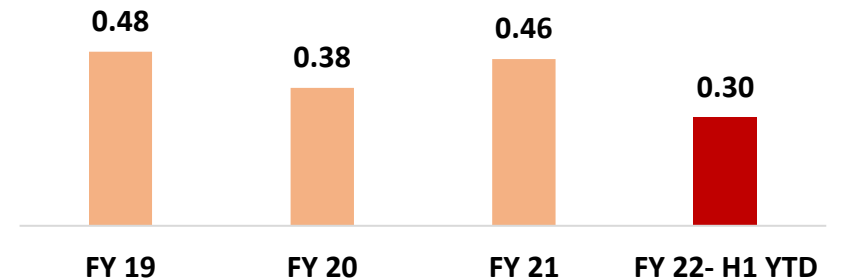
Workforce Health & Safety

- **Serious Injuries & Fatalities (SIF) prevention program:** 695 risk situations identified; action plan for mitigation of 660 situations prepared
- **New Contractor Safety Management Program implementation status:** SAQ score over 90% at each unit; Target 100% in FY22 end.
- **In “Line of Fire” work situations:** 2,543 situations identified and control measures taken for 90% situations
- **Corporate / Cross Entity Safety Audit:** 78 additional SIF situation identified

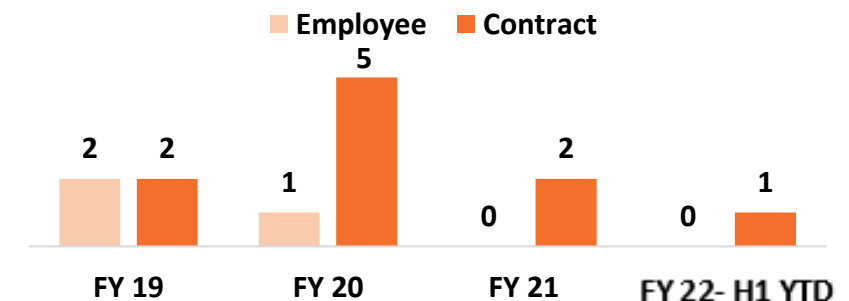
Aluminium Sp. Energy (%) (Indexed to FY12 Base)



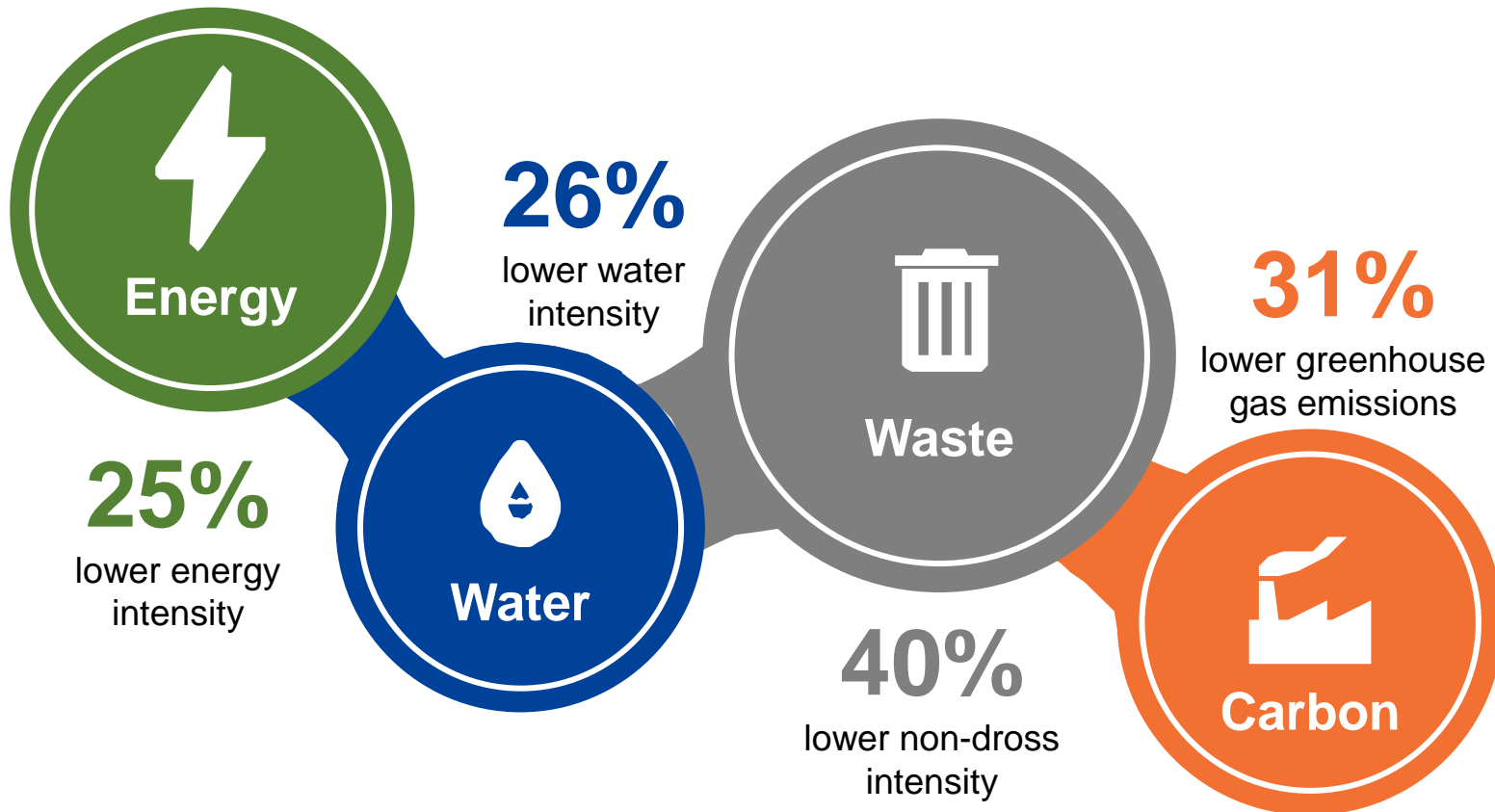
LTIFR (Loss Time Injury Frequency Rate)



Fatality (in Nos)

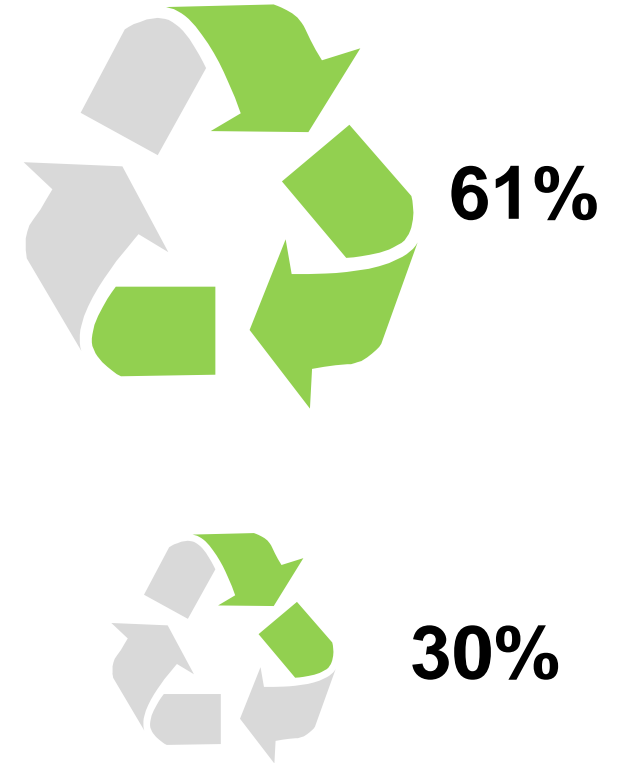


Novelis : Progress Since Average of FY2007-09



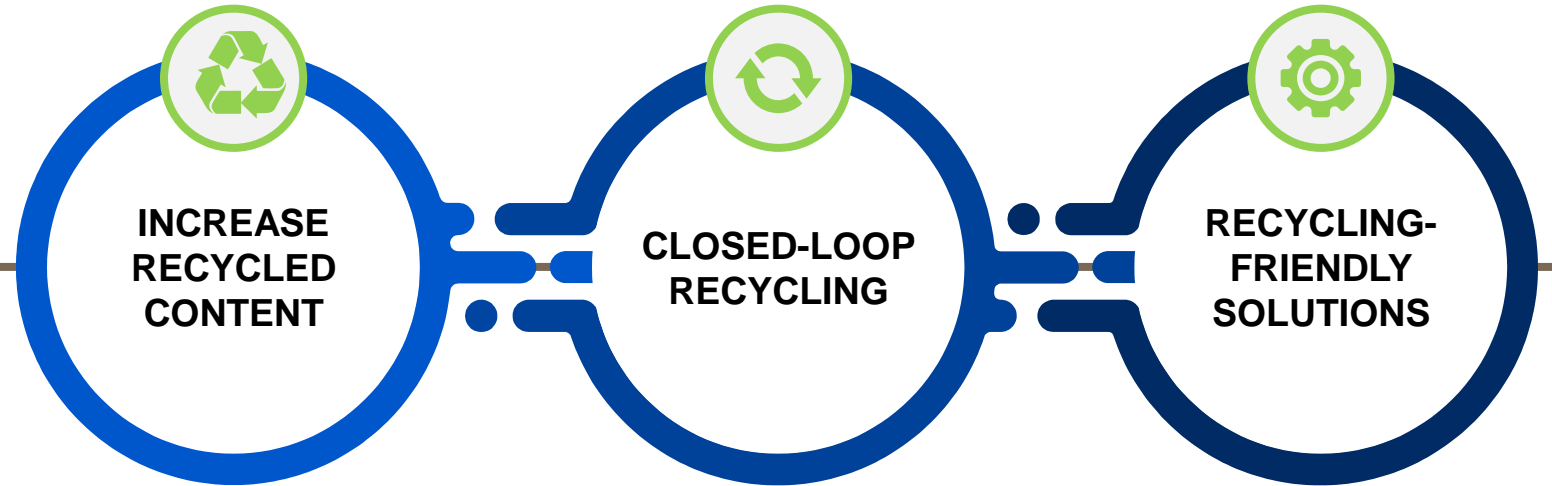
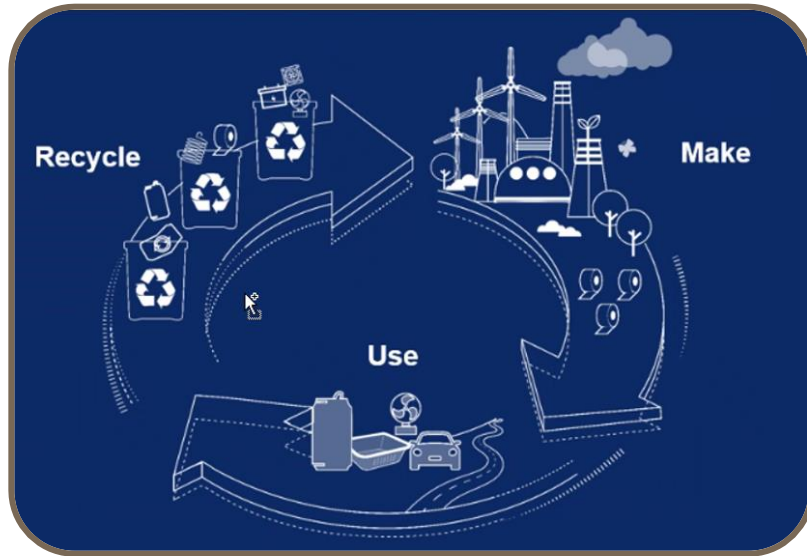
Legacy Novelis plants progress, FY21 vs baseline (average FY2007-09)

Recycled Content Evolution



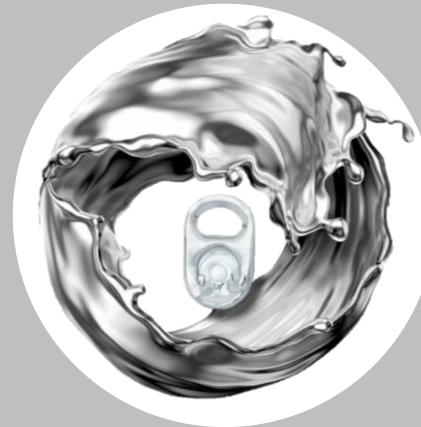
Novelis is the world's largest recycler of aluminum with a current recycling capacity of 2.5 million tons per annum

Novelis : Progressing Towards a Circular Economy



- 75% of all aluminum ever produced is still in use today
- Invested approximately \$700 million since FY11 to grow total recycling capacity to approximately 2.5 million tonnes
- Identifying additional recycling and casting investments over next five years to improve recycling content and increase casting capacity

**Novelis recycles more than 74 billion cans annually
Back on the shelf in 60 days**



Closed loop recycling produces equivalent of 30,000 F-150 truck bodies entirely from scrap each month

Product Stewardship for Lowering Carbon Footprint through Lightweighting



**Aluminium
Railway Wagon**



**Aluminium
Trailer**



**Aluminium
Bulker**



**Aluminium
Bus**



**Aluminium Foil-
Laminated Jute Bags**



**Aluminium LPG
Cylinder**



Sustainable transportation and logistics

India's first lightweight aluminium trailer and bulker which helps transporters to save

- Fuel up to 15,000 litres/ trailer and 12000 litres/ bulker
- CO2 emissions \approx 38 tCO2/ trailer and 30tCO2/ bulker

Aluminium Bus savings:

- Fuel upto 18,000 litres/ Al bus
- CO2 emissions \approx 45 tCO2 / Al bus

Sustainable packaging

A combination of aluminium and jute bags, for food items is a big step towards SUP (Single use Plastic) free INDIA



Sustainable Aluminium Packaging / Vehicles / Building & Industrial Materials / EV Battery Boxes

An **aluminum-intensive** vehicle can achieve up to a 20% reduction in total life cycle energy consumption and up to a 17% reduction in CO2 emissions
(Source: Aluminum Transportation Group)

Aluminium battery enclosures are up to 50% lighter than an equivalent steel design and extends vehicle range up to 10% further on a single charge



Community Engagement by Hindalco

Key focus areas in CSR activities



- **Education:** Girl child education, Digital literacy
- **Health and family welfare:** Awareness and prevention camps
- **Sustainable development & livelihood**
- **Water & Sanitation**
- **Rural infrastructure development**
- **Social reform:** Culture & Sports and women empowerment

Social Vision is integrated into Business Vision

- 01 All projects are identified in consultation with the community in a participatory manner. Baseline and other need assessment results are discussed with the community and consensually the projects are prioritized and the Annual plan is prepared accordingly.
- 02 Our focus areas are Education, Health care, Sustainable livelihood, Infrastructure development, and espousing social causes.
- 03 Collaborative partnerships are formed with the Government, the village panchayats & communities, NGOs and other like-minded stakeholders.
- 04 Our Policy is in line with the Schedule VII of the companies Act, 2013

Sustainability@ Novelis

Novelis' ambition is to become the world's leading provider of low-carbon, sustainable aluminum solutions that advance its business, industry, and society towards the benefit of a circular economy.

• Sustainability Targets of 2026 :

- 30% reduction in CO2 footprint
- 10% Reduction in Water use
- 10% Reduction in Energy use
- 20% Reduction in Waste to landfills
- Become a fully circular business

Recycling Leadership

61%

recycled inputs across in
FY21

Increasing Investment in Recycling
Capacity

\$375

million

Expansion in China

\$150

million

Expansion in Brazil

Ensuring we are the Most Sustainable
Option

13

Plants Certified
Globally



Sustainability@ Hindalco

Hindalco’s 2050 Goals include: carbon net zero, zero waste to Landfill, zero harm, Zero Liquid Discharge at all sites, water positive in mining locations, Single Use Plastic free and No net loss on biological diversity at all sites.

• Sustainability Targets of 2025 (from base year FY12) :

- 25% reduction in Energy Intensity
- 25% Reduction in GHG Intensity
- 100% Waste Reduction (Bauxite Residue & Fly Ash)
- ZLD and Water positivity at all sites
- Single Use Plastics free at all sites
- Bio-diversity management plan (BMPs) at four sites

Hindalco – 3 sites Single Use Plastic (SUP) free



Thank you

