

# Ambuja Cement

ACL:SEC:

June 24, 2021

Bombay Stock Exchange Limited Phiroz Jeejeebhoy Towers, Dalal Street, Mumbai – 400 023 Scrip Code: 500425	National Stock Exchange of India Ltd., Plot No.C/1 'G' Block Bandra – Kurla Complex Bandra East, Mumbai 400 051 Scrip Code: AMBUJACEM
Deutsche Bank Trust Company Americas Winchester House 1 Great Winchester Street London EC2N 2DB, <a href="mailto:Ctas Documents &lt;ctas.documents@db.com&gt;">Ctas Documents &lt;ctas.documents@db.com&gt;</a>	Societe de la Bourse de Luxembourg, Avenue de la Porte Neuve L-2011 Luxembourg, B.P 165 "Luxembourg Stock Ex-Group ID " <a href="mailto:&lt;ost@bourse.lu&gt;">&lt;ost@bourse.lu&gt;</a>

Dear Sirs,

Sub:Presentation to Analyst/Institutional Investor under the SEBI (Listing obligations and Disclosure Requirements) Regulations, 2015


We wish to inform you that pursuant to Regulation 30(6) of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations 2015, we enclose herewith the presentation made to the Analyst/Institutional Investor today.

The information is also being uploaded on the website of the Company at [www.ambujacement.com](http://www.ambujacement.com).

Kindly take the same on record.

Thanking you,

Yours faithfully,  
For AMBUJA CEMENTS LIMITED



RAJIV GANDHI  
COMPANY SECRETARY  
**Membership No A11263**




**(LafargeHolcim India)  
Now Holcim India- Ambuja Cement & ACC LTD.**

**Being Responsible**

24<sup>th</sup> June,2021



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(LafargeHolcim India) Now Holcim India
Our ESG Performance Snapshot
Progressing on Sustainability Plan 2030
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Way Forward

# Holcim India – ACC & Ambuja

## Ambuja Cements Limited

### Vision

To be the **most sustainable and competitive company** in the industry.

### Purpose

Create **value** for

- Delighted Customers,
- Inspired Employees,
- Enlightened Partners,
- **Energized Society**
- Loyal Shareholders
- **Healthy Environment.**

## ACC Limited

### Vision

Be one of the most respected companies in India; recognised for **challenging conventions and delivering on our promises.**

### Purpose

Be a driving force in **creating a confident future for Our**

- people,
- customers,
- shareholders
- nation.

## Cumulative Manufacturing strength

**16** Integrated cement Plants and 14 Grinding Units

**62.7 MPTA** cumulative Installed capacity with **70%+** Capacity utilization

India Operations have lowest CO<sub>2</sub> emissions in Indian cement sector

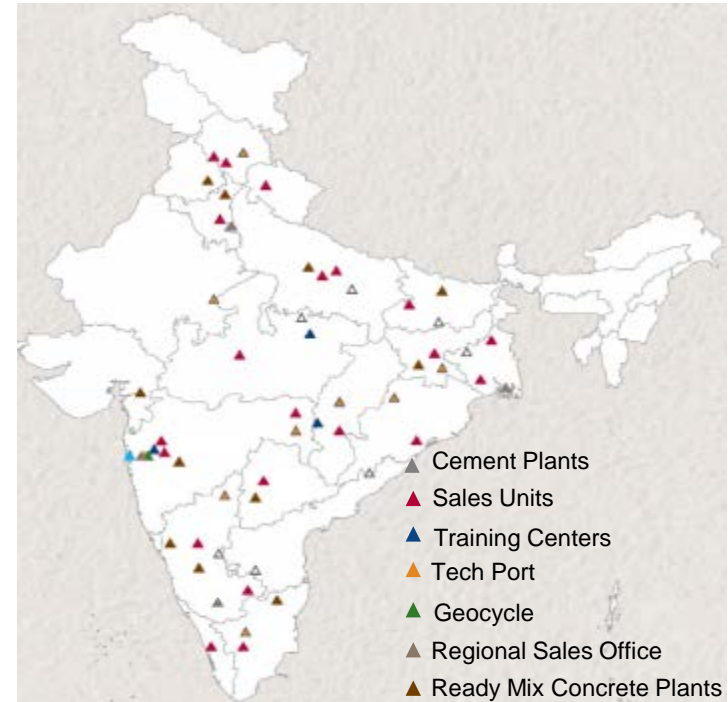
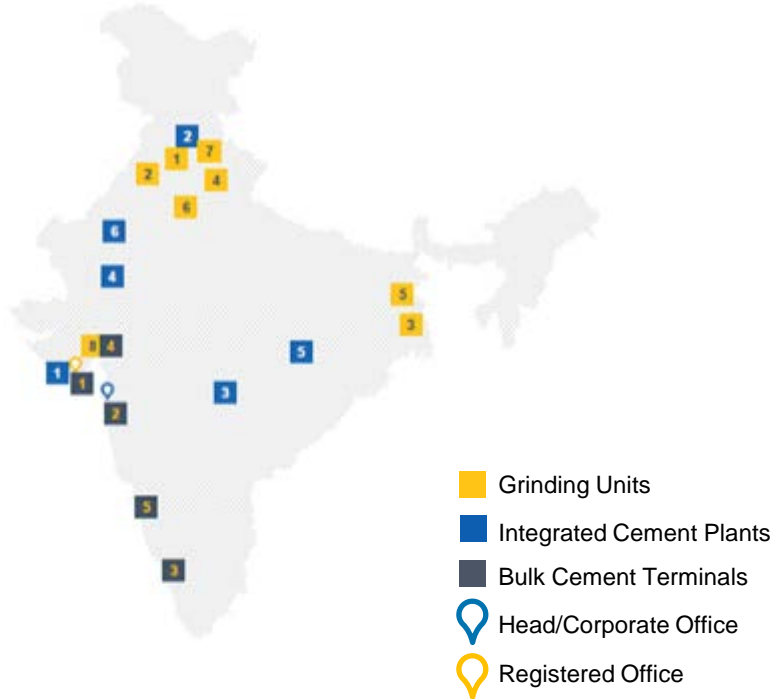
Differentiated Product Portfolio with low carbon products

**Plastic Negative** and **Water Positive** operations

# Spread of India Operations: Ambuja Cement and ACC

Ambuja

ACC

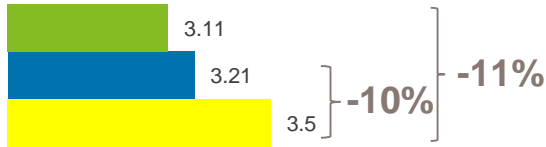


Manufacturing operations across **11 states** in India

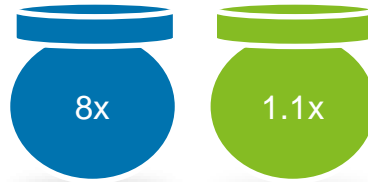
# ESG Performance Snapshot (Our Solid Ground)

## Best in Industry Thermal Energy Intensity

GJ/ t of cementitious material

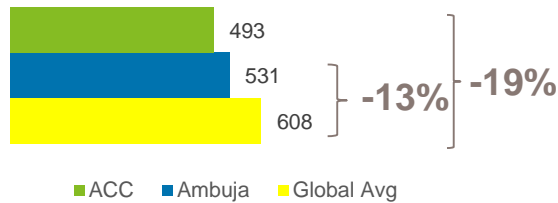


## Water Positivity

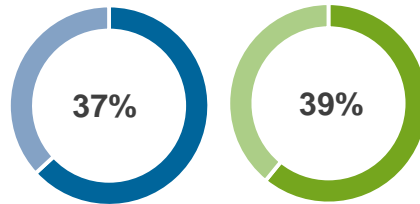


## Lowest Carbon Emission Intensity in the Industry

KgCO2/ t of cementitious material



## Waste-Derived Sources (Includes fly-ash, slag etc.)



## Social Dimension

31.4%

Drop in accidents while operating logistics (ACC)

5 sites

with biodiversity management plans (Ambuja)

3.1 million Beneficiaries

Zero Fatality



82

DJSI Score 2020  
Ranked **5<sup>th</sup>** Globally  
in the Sector



**Ambuja**  
Only Cement Company to score **'A-'**  
(Leadership) on CDP Water

Both ACC and Ambuja Scored **'B'** (Management) on CDP Climate Change

# Integrating UN SDGs into the Business



## SDGs aligned to Business

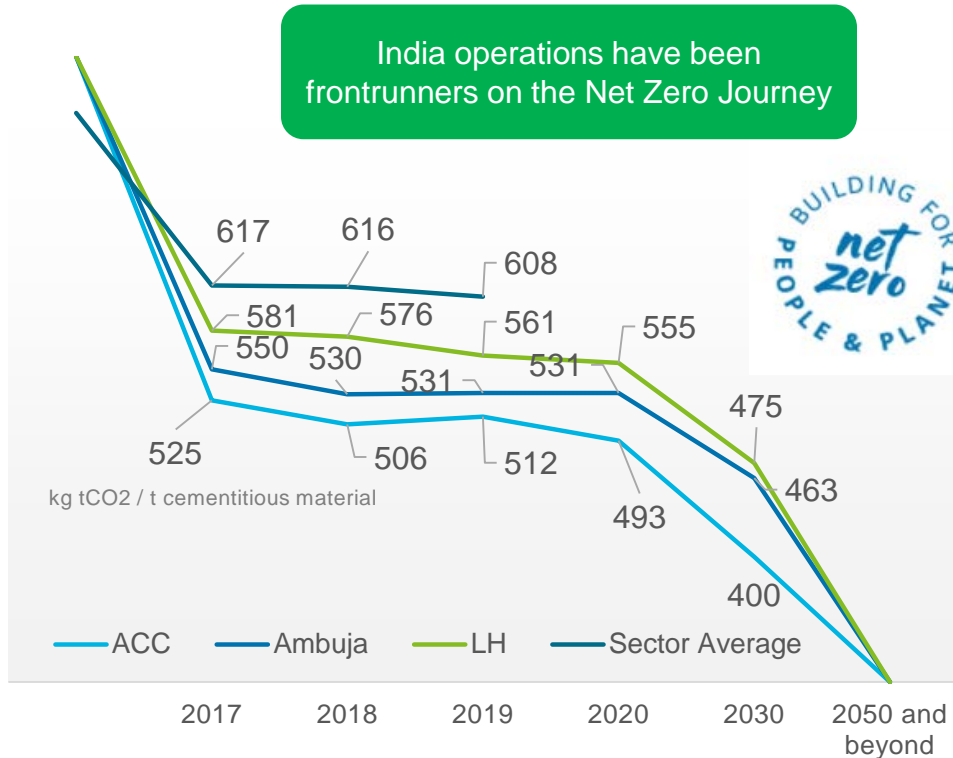


## SDGs aligned to community development (CSR) Activities



# Fast-tracking the Commitment to Net Zero

Developed **Science Based Targets** in alignment with Net Zero



## Key Steps

Clinker Factor and Alternative Fuels

Renewable Energy

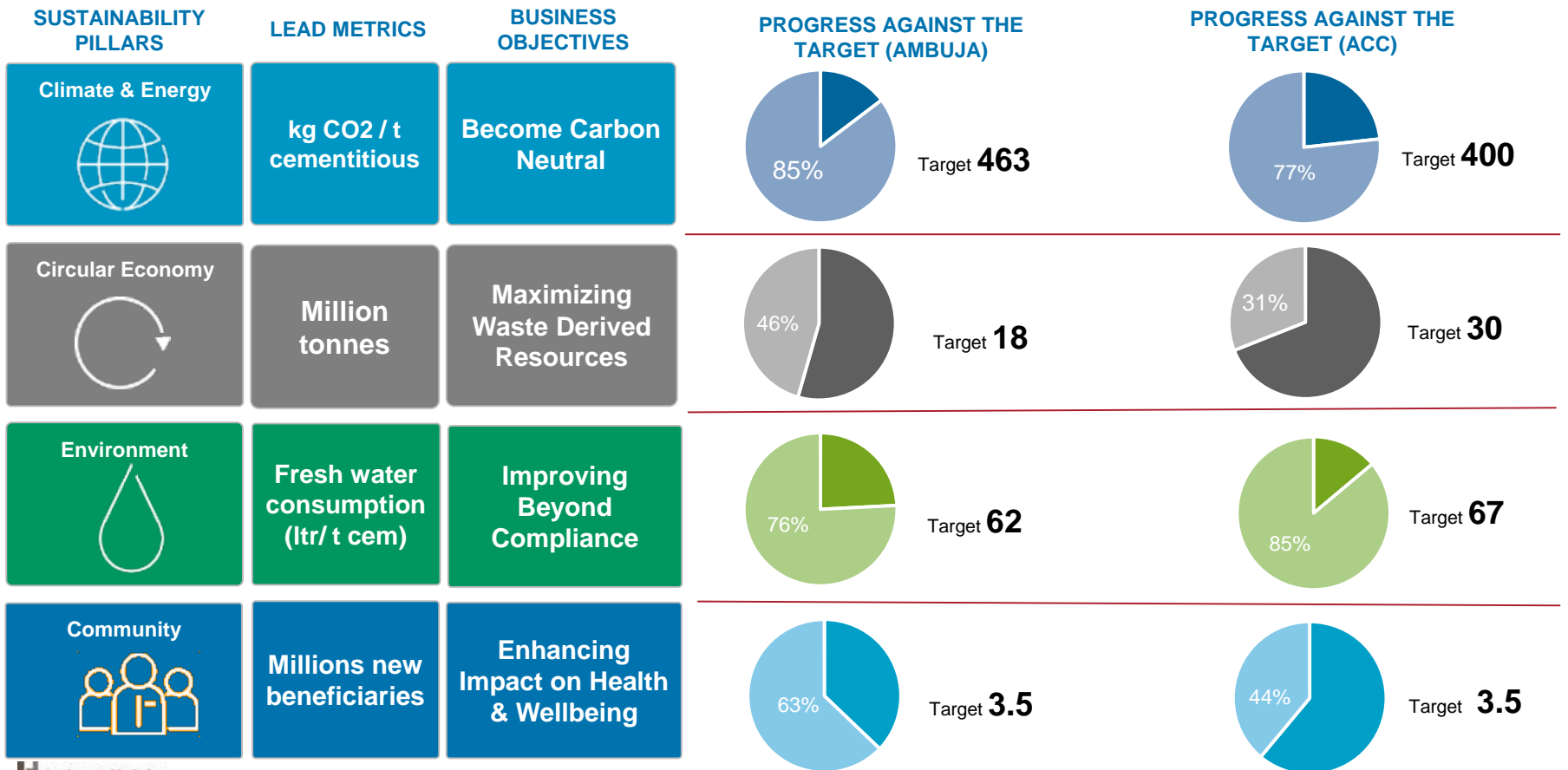
Plants of Tomorrow

Sustainable Products

Carbon Capture



# Progressing on Sustainability Plan 2030



# Key Examples of Steps taken on Net Zero Roadmap (1/2)

## Clinker Factor and Alternative Fuels (WHRS)



Investment in Waste Heat Recovery Systems

77 MW WHRS planned to be completed by 2022 and 156 MW by 2030

6.5 MW WHRS installed at Rabriyawas (Ambuja)

## Renewable Energy



Replace ~20% of Captive Power by procuring Renewable Power

•~95 MW of Renewable Energy Portfolio (Operational and under implementation)

•ACC consumed 85.27 Mn units from RE sources

## Plants of Tomorrow



Adoption of Industry 4.0 and Leveraging LafargeHolcim Group Global Expertise

Improve Production Rate Index from current level of 88 % to 95%

Increase Blended Cement portfolio from 89% to 95%

# Key Examples of Steps taken on Net Zero Roadmap (2/2)

## Sustainable and Low carbon Products



**ECOPact: launched as RMX** reduces CO<sub>2</sub> emissions significantly

Working on Low CO<sub>2</sub> binder (with very low clinker) for green homes

Recycling construction demolition waste – moving towards circular economy

## Carbon Capture



Technology Adoption to achieve Net Zero

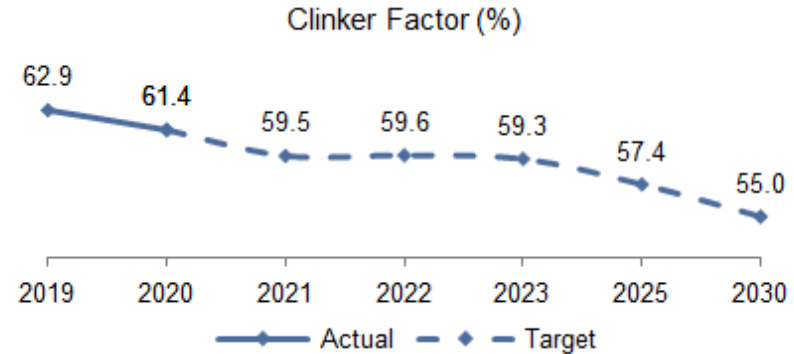
Future Focused Approach

Ambuja and ACC to explore the possibilities of these technologies being currently piloted by Parent company

# Reducing Clinker Factor

## Ambuja and ACC Journey & Way Forward

Company	Clinker Factor 2019 (%)	Blended Cement 2019 (%)
Ambuja	64.9	89
ACC	61.2	89
UltraTech	76.2	68
Dalmia	63.0	79
Shree	64.5	72



- **Leverage LafargeHolcim R&D for reducing Clinker Factor**
  - Developing new products with lower clinker factor: Cement as Road Binder and Backfilling
  - Use of Grinding Aid and Activators
  - Improved usage Use of Alternate Cementitious Material
    - Calcined Clay
    - Synthetic mineral components
    - Decarbonated mineral component with Slag or Chlorine Dust
- **Design all new plants with focus on Sustainability**

Graph values represent Ambuja and ACC combined numbers

# Decarbonizing the Cement Manufacturing



**Aiming to increase Green Power Mix share to ~52% by 2030**

Invest 780 Crores in Waste Heat Recovery Systems by ACC & Ambuja

~95 MW of Renewable Energy Portfolio (Operational and under implementation)

Replacement of Thermal Captive Power Plants (CPP) with Renewable Energy (RE) (~20% replacement)

Sourcing Hydel Power through Power Purchase Agreements

Investments of INR 1575 Cr to achieve the desired mix by 2030

# ECOPact – Introducing Green Concrete in India



Industry's broadest range of green concrete for high-performing, sustainable and circular construction.

Sold at low carbon level (30-100%) compared to standard (CEM I) concrete

ECOPact contributes to a circular economy by closing material cycles

Won Solar Foundation Certification

# Ambuja Kawach – Innovating Water Repellent Product



**Ambuja Cement**

**STRENGTH  
THAT CAN WITHSTAND  
EVEN WATER**

**Ambuja  
KAWACH**

- ✓ DENSER
- ✓ STRONGER
- ✓ LEAK PROOF

To build strong house call - 1800 22 30 10 or E-mail: [consumer.care@ambujacement.com](mailto:consumer.care@ambujacement.com)

Shields against water seepage & chemicals

33% less carbon footprint as compared to OPC

Endorsed by **Solar Impulse Efficient Solution** label

Recognized by Sun Foundation among 10 LafargeHolcim products

# Dedicated Efforts towards Circular Economy



**Geocycle** operates as the green arm to Ambuja and ACC, with a **capacity to manage over 700,000 tons of waste.**

## Co-processing the waste in cement kilns



Completely decomposes waste through **high temperatures and long residence time**



Recovers energy and recycles mineral value of waste, if any



Leaves no residue



Leads to conservation of natural resources



Reduces greenhouse gas emission



Offers local waste management solution



Saves public funds



Promotes a circular economy

## Key Impacts

**2.5x**

Plastic Negative

**2.7 Mn tons**

Waste Diverted from Landfill

**480,000 tons**

Plastic waste safely co-processed as alternate fuel

**500+**

Managing Waste for industrial customers

**20+**

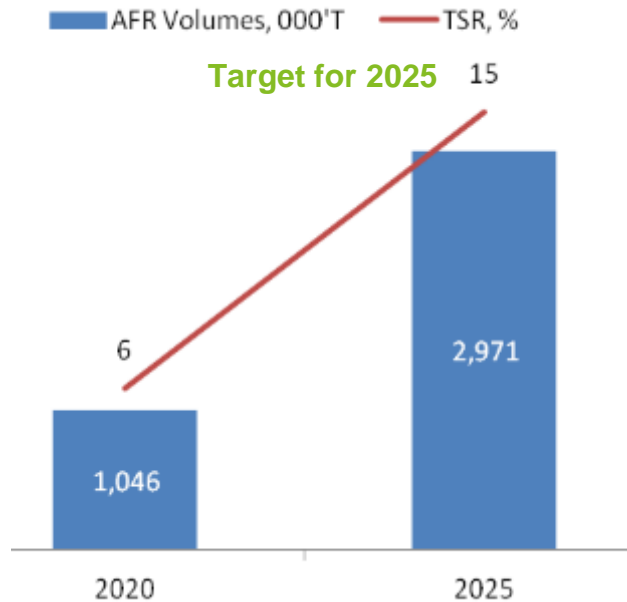
Municipalities in partnership

Introduced Breakthrough Technology – **Bubble Barrier** - to collect plastic waste from Rivers.



# Embedding Circular Economy in Core Business Process

## Tripling the Waste Reuse within Cement Manufacturing Process



Dedicated waste analysis lab



State of art waste processing facility

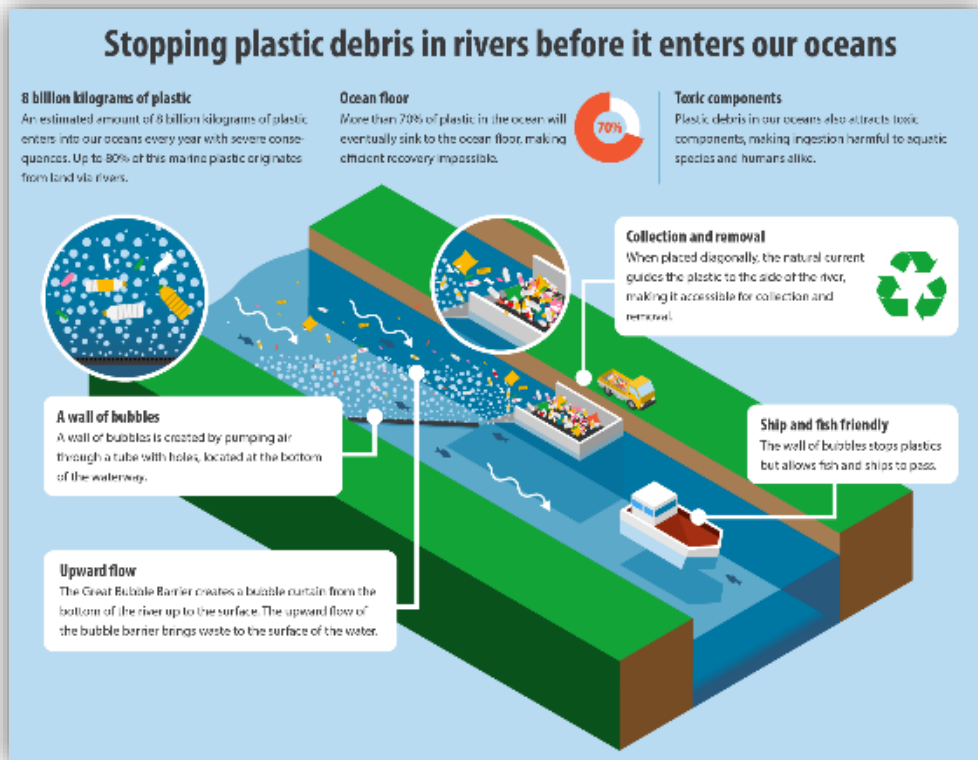
- ✓ 30+ legacy waste sites remediated
- ✓ 1.1 million Tons of CO<sub>2</sub> saved

- ✓ 65+ acres of land reclaimed
- ✓ 1.7 million Tons of natural resources conserved

# Partnering for Cleaner India

## Breakthrough Technology to Clean Rivers piloted in India in River Yamuna, Agra

Geocycle Bubble Barrier Technology: First Pilot in India in association with UNEP and GIZ in Agra



Protects  
Marine  
ecosystem



Promotes  
Circular  
Economy



Cleaner  
Environment



Social Impact

# Environmentally Conscious Operations



Water Conservation (RWH, Groundwater Recharge)

Implementing Biodiversity Management Plans and Biodiversity Indicator and Reporting System (BIRS) tool.

Environmentally Conscious Mining (blast free mining, optimize limestone use, reduced dust pollution)

Use of dust free pneumatic conveying systems and pipe conveyors for material transportation.

# Key Impacts of Environmentally Conscious Operations



## Ambuja

**8 x**  
Water Positivity

**8.6%**  
Reduction of water Intensity

**100%**  
Approved mining plans of  
Local authorities

**1<sup>st</sup> Company to use Sea  
Transportation & bio-diesel as fuel  
in ships**

## ACC

**1.1 x**  
Water Positivity

**9%**  
Reduction of water Intensity

**27%**  
Reduction in  
specific dust emissions

**~76,000**  
trees planted in its mines across  
operations

# Example of a step towards Sustainable Transportation



Commencement of 'Sea trials on Bio-diesel Blends

Sea Trials with 'Ambuja Mukund' and 'Ambuja Vaibhava'

First organization to commence shipping of bulk materials using biofuels in India

25% reduction in CO<sub>2</sub> emissions through sea transportation

# Valuing Stakeholder Relationships – people and community



Effective Talent Management through regular inputs and feedbacks.

An integrated approach to Occupational Health & Safety Management.

Human Rights Management System with Site Specific Impact Assessment (SSIA) every three years.

Extensive and dedicated community development programmes across locations.

## Key Impacts

**100%**

Talent review of Management Grade

**0**

Onsite Fatality

**30%**

Reduction LTIFR (Ambuja)

**10%**






Reduction LTIFR (ACC)

Completed Human Rights assessment of all sites

**3.1 Mn**

Beneficiaries of community development programs

# Corporate Citizenship

Water	Education	Skill Development	Health and Nutrition	Sanitisation and Hygiene	Agriculture and Livelihood
		<p>Programs Implemented through Ambuja Cement Foundation (ACF) and ACC Trust</p>	<p>3.53 Million Lives Touched</p>		
		<p>40,472 Women Empowered and INR 19.35 Cr. savings mobilized through SHGs by ACF.</p>	<p>27,319 Ha of watershed development through soil and moisture conservation initiatives.</p>		
		<p>26,923 people benefitted through solid waste management programs of ACC Trust</p>	<p>210,000 farmers benefited for productivity improvement through Agriculture and livelihood Programs</p>		

# ESG Governance (Ensuring Critical “G”)

## True Value Approach



### LH Guide

Developing Science Based Targets to align with Net Zero Roadmap



### Board Committee of CSR and Sustainability

Oversees sustainability issues and mitigation plans  
Regular discussions on ESG Performance



### Clear Policies

Policies on Green Procurement, POSH, Diversity, Environment



### Performance Evaluation

Management KPI: Climate Change performance targets linked with KRA (Key Result Areas), metrics for CMO and plant managers



### Stakeholder Engagement

Regular engagement with internal and external stakeholders



# Investing into a Sustainable Future

## Internal Carbon Pricing considered for Investment Related Decisions on Climate Change

### Disruptive Technology Carbon Capture and Utilization



- ✓ Process of capturing carbon dioxide for further use and recycling
- ✓ Piloted about 20 projects by Parent LafargeHolcim which are expected to be matured during the period 2025-2030.
- ✓ Explore the possibility of adopting these secondary abatement technologies to mitigate the remaining CO2 emissions

### Transportation And Digitization



- ❖ Blue Yonder enabling organisation from planning to execution besides network optimisation
- ❖ Transport Analytics Centre (TAC) for freight optimisation, distribution safety and customer services across plants

### Innovation And New Solutions



- ✓ Ambuja Certified Technology (ACT), created a film series to educate our consumers on best construction practices.
- ✓ Promoted through internal channels to our stakeholders and using social media websites
- ✓ Promoted Cool Walls & Ambuja Kawach through digital lead generation campaigns

# Way forward: Enabling 'Sustainable' Construction in India

## Growth and Competitiveness



**Focus on Capacity Expansion** – progressing on ambition to reach 50 Mn Tons in the mid term

Focus on bringing special / premium low carbon products launch in India like **Green Cement** to accelerate sustainable construction

Focusing on Operational Efficiency Improvement – **WHRS, renewable energy**, waste derived resources etc.

## Innovation and Digitization



Production – Technical Information System (TIS), Performance and Collaboration Tool (PACT) etc.

Logistics – Transport Analytics Center (TAC), and Blue Yonder Enabling Organization.

Innovation and New Solutions – **Sustainability focus**, Ambuja Certified Technology (ACT), Promotions through digital lead campaigns

## Sustainability Goals



**Strong progress on Sustainable Development Plan 2030**

**Community Outreach** and Development through Ambuja Cement Foundation and ACC Trust

Continuing the Fight Against COVID-19.



# LafargeHolcim

Future isn't written. It's built.

**Disclaimer :**

*This presentation may contain “forward-looking statements” – that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance, and may contain words such as “expects,” “anticipates,” “intends,” “plans,” “believes,” “seeks,” “should” or “will.” For us, uncertainties may arise from fluctuations in material costs, availability of limestone, demand of cement and other factors affecting the demand including those of a political, economic, business, competitive or regulatory nature. Actual future results may differ substantially or materially than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements.*