

ACL:SEC:

May 17, 2018

BSE Limited,	National Stock Exchange of India Ltd.,	
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Dalal Street, Mumbai – 400 023	Bandra – Kurla Complex	
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Ctas Documents <ctas.documents@db.com< td=""><td>"Luxembourg Stock Ex-Group ID "</td></ctas.documents@db.com<>	"Luxembourg Stock Ex-Group ID "	
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Dear Sirs,

Sub: Investors' Presentation

Further to our letter dated May 14, 2018, informing you about the 35<sup>th</sup> AGM notice of the Company wherein one of the item is to sought shareholders' approval for renewal of the "Technology and Know How" Agreement with Holcim Technology Limited, a related party. (Resolution no. 9 of the AGM Notice dated May 4, 2018)

In this regard, Please find enclosed the Investors' presentation to be made to Analysts/Institutional Investors.

Kindly take the same on record.

Thanking you,

Yours faithfully, For Ambuja Cements Limited

Kayiv H. Cranshi

Rajiv Gandhi Company Secretary **Membership No. A11263** 

#### AMBUJA CEMENTS LIMITED

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MAY 2018

# Ambuja Cement

# Investor Presentation Renewal of Technology Know-How Agreement



## Preamble

For the period January 1, 2013 to December 31, 2017, Ambuja had requested the LafargeHolcim Group ("LafargeHolcim") a world leader in the cement industry, to avail usage of its valuable Intellectual Property ('IP'), Technology Know-how and End-to-End solutions in the building materials industry which includes initiatives ranging from cement manufacturing, sustainability to commercial and marketing amongst others.

Ambuja entered into an agreement with Holcim Technology Ltd. ("TKH Agreement") for the use of LafargeHolcim's Intellectual Property, Technology knowhow and End-to-End solutions. Over the last five years this agreement has proven to be very resourceful for Ambuja and has resulted in significant benefits and advancements in the areas of:

 Cement manufacturing through initiatives in the areas of Thermal Energy and Alternative Fuel & Raw Materials ("AFR"); Electrical Energy Optimization; Procurement; Commercial Excellence; Innovation; Health & Safety and People initiatives; Knowledge Management and Sustainability

The management and independent directors have reviewed the benefits using third party experts and believe the benefits accrued as a result of these initiatives far outweigh the costs. The management intent is to continue to improve operational efficiency & grow the business in new products & solutions. Hence the need to extend the TKH agreement.

The Company has requested LafargeHolcim to continue providing its support, keeping in mind the importance of continuity of the initiatives already under implementation and new initiatives which will further accrue as a result of the continued association.

The Audit committee, comprising a majority of Independent Directors and chaired by an Independent Director has recommended to the Board the extension of the TKH agreement based on its review of past and potential future benefits. Accordingly, the Board of Directors has approved the renewal of the TKH Agreement (under which these services are provided) for a period of 3 years starting January 1, 2018.

The LafargeHolcim Group, formed as a result of the merger of Lafarge SA and Holcim Ltd in 2015, is a world leader in the building materials space and has more than 2,300 operating sites in around 80 countries. In CY17 LafargeHolcim reported sales of ~210 Mn tons cement, ~279 Mn tons of aggregates and ~51 Mn cubic meters of RMX. As part of its new Strategy 2022 – "Building for Growth", LafargeHolcim is now building a fourth business segment - Solutions & Products. The LafargeHolcim Group is the holder of best in class technical solutions & products, building solutions and more than 270 registered patent families. R&D at the LafargeHolcim Group is focused on developing cost efficient and sustainable building solutions.

## **TKH Achievements (2013 – 2017)**

# | Can. ....(1/2)

Cement Manufacturing		Procurement Excellence	
Thermal Energy & AFR Optimization	Electrical Energy Optimization	Manufacturing Excellence	Procurement
Dedicated <u>'Geocycle'</u> division supports in waste management and use of alternate fuels Thermal Energy consumption including Alternative Fuel and Raw	<ul> <li>Initiatives to improve electric energy consumption         <ul> <li>Ball Mill Initiatives (MBi)</li> <li>Synergy Acceleration Task Forces (SATF)</li> <li>Fan Initiatives (FANi)</li> </ul> </li> <li>Quarry planning &amp; Raw Mix design         <ul> <li>Ied to reduction in electrical energy consumption</li> <li>Achieved consistently low electric energy consumption per ton of cement</li> <li>Specific Electrical Energy consumption reduced by 2 kWh/t from 2013 to 2017</li> <li>Electrical safety</li> </ul> </li> <li>Support in Manufacturing Excellence Program (People Power)</li> <li>Industrial Fixed Cost Initiative (IFC) – benchmarking of plant performance vs the best practices</li> <li>Clinker Optimisation Initiative (COi) - enhancing cement performance and clinker factor reduction – improve share of blended products</li> <li>India Manufacturing Transformation (IMT)- Lean organizational setup for plants to improve productivity (60+ Indian managers participated in global programs implementing best practices)</li> </ul>	<ul> <li>Development and deployment of standardised business applications for procurement information systems</li> <li>Category management to leverage high volume purchases across the globe</li> </ul>	
Materials ("AFR") improved Raw Mix design in line with multiple fuel usage in kiln Technical support and expertise in the conceptualization and engineering of pre- and co- processing including AFR labs		<ul> <li>enhancing cement performance and clinker factor reduction – improve share of blended products</li> <li>India Manufacturing Transformation (IMT)- Lean organizational setup for plants to improve productivity (60+ Indian</li> </ul>	<ul> <li>(volume pooling)</li> <li>Fuel Sourcing - global overview (market/price) and benchmarking</li> <li>Leveraged global know-how to help procure and modify specified equipmen</li> <li>Inventory Management (NWC) Program</li> </ul>
Knowledge transfer to achieve fuel flexibility and usage of alternate fuels Training & technical assessments of kilns to co-process AFR in kilns		<ul> <li>programs implementing best practices)</li> <li>Maintenance initiative (MANi) – improved reliability of plants, reduced break downs</li> </ul>	
Safety standards related to AFR operation		Shutdown Management & Safety	
Alternative Fuel usage ~5% in 2017 Process safety			

#### Ambuja Cement

## **TKH Achievements (2013 – 2017)**

| Can. .....(2/2)

<ul> <li>Commercial Excellence</li> <li>Growth and Innovation at LafargeHolcim supports Ambuja in</li> <li>commercial processes through price and margin management</li> <li>product offerings management</li> <li>customer experience management</li> <li>offering differentiating value offers</li> <li>go to market models</li> <li>enhanced market standing in Buildings &amp; Infrastructure and Affordable Housing</li> <li>Sharing of Global Best Practices, participation of international experts in projects as active members</li> </ul>	<ul> <li>Innovation</li> <li>Development of new products [Roof Special, Compocem, Powercem, Railcem, Microfine products, Cool Walls]</li> <li>Optimization of Raw Mix design for better clinker factor, better quality of cement and reduction of operating costs</li> <li>Developing admixture and special performance enhancers</li> <li>Latest Innovative Tools for providing solutions to Building &amp; Infra customers</li> </ul>	<ul> <li>Sustainability Framework provided by LafargeHolcim based on Global Plan SD 2030 is guiding Ambuja to achieve its following sustainability development goals for 2030 [<i>Climate, Circular Economy, Water &amp; Nature, People &amp; Community</i>]</li> <li>Tools used to undertake quarry planning, modeling and scheduling</li> <li>Substantial support for projects to enhance the reserves of mineral resources at cement plants</li> <li>Water Measurement protocol (reduce consumption, improve generation) - Achieved 5.5 water positive in 2016</li> <li>Sites with WASH (Water Sanitation &amp; Hygiene) Pledge</li> <li>Biodiversity management action plan</li> <li>Sites with Stakeholder Engagement Plan</li> <li>Low Carbon Roadmap – reduction in specific CO<sub>2</sub> emissions by 4.3% from 2012 to 2017</li> <li>Development of Sustainable Products - more than 90% blended cement products</li> </ul>	<ul> <li>Health &amp; Safety, People Initiatives &amp; Knowledge Management</li> <li>H&amp;S - Global standards &amp; processes implementation to improve safety standards</li> <li>H&amp;S best practices and learnings shared worldwide</li> <li>Structural integrity (DSCQP**), Process Safety (MSR*), Electrical Safety, Road Safety Map 2020, competency development, audits / assessments</li> <li>Training modules for cement manufacturing, AFR and other areas</li> <li>Certification courses for maintenance and process engineers</li> <li>Access to tools like iConsult and Connect LH, a repository of information from all regions</li> <li>HR Global Practices</li> </ul>
Ramp up of premium product to over 2 million tons per annum	Innovation in operations & product development	Ranked no 2 in Carbon Disclosure Project (CDP) globally and no 7 in Dow Jones Sustainability Index (DJSI) in 2017	74% reduction in incidents from 2013 to 2017

Post merger of Lafarge & Holcim a leading global building materials and solutions company resulted in a bigger platform in the building materials space. The IP of Lafarge also became available to Ambuja resulting in additional resources without any increase in the fee

# Unlocking potential with the help of TKH (2013-2017)



- Visible change in Health Safety culture Ambuja awarded Globally Best H&S performance in Holcim in 2014
- Launched innovative products Roof Special, Ambuja Compocem, Powercem, Railcem and Ambuja Plus Cool Walls
- Ambuja has been a part of India's iconic projects under water rail tunnel (Calcutta), India's longest highway tunnel in J&K (Chenani-Nashri)
- Ambuja accredited 5.5 times Water Positive in 2016
- Ambuja among the top 10 companies in the Global Dow Jones Sustainability Index (DJSI) ranking 2017 (Ambuja ranked at No.7)
- Reduced specific CO<sub>2</sub> emission by 30% in 2017 over 1990 level
- Ambuja featured in the CDP League Table; Ranked No.
   2 among 13 global public listed cement companies
- The annual survey by a leading business magazine ranked Ambuja amongst India's "Most Respected Companies"
- Ambuja bags six prestigious accolades @ CII-ITC Sustainability Awards

Leveraging on LafargeHolcim's IP, experience and knowledge across functions, Ambuja is well poised to unlock significant potential benefits in the future

## **TKH Renewal Rationale**

The LafargeHolcim Group is a leading global construction materials and solutions company with generations of experience to create innovative solutions to meet customer specific requirements. The cornerstone of LafargeHolcim's global R&D activities is the LafargeHolcim Research Center in Lyon, France. It is the first and largest research center in the global construction industry. In addition, the Group also operates a network of local construction development laboratories in different countries. On a global level, the Group's portfolio includes more than 1,500 patents that range from cement manufacturing processes and construction solutions, to CO2 footprint solutions and efficient waste management. The LafargeHolcim Group has best in class technical solutions, product profile, and building solutions.

The TKH achievements listed out earlier have helped Ambuja gain thorough knowledge and have helped put in motion several initiatives. The initiatives have also provided a good head start in managing the complex process of AFR and introducing premium products and further support here will help Ambuja become an industry leader.

Thus, LafargeHolcim has provided world class technologies and practices on a continuous basis under the TKH Agreement. These have helped Ambuja derive substantial benefits, a fact recognized by the Board of Directors.

With the objective of meeting Ambuja's long term vision of growth, the Company wishes to renew the right to use LafargeHolcim's Intellectual Property, Technology know-how and End-to-End solutions, based on the substantial benefits it believes will accrue, as laid down in the ensuing slides

# **TKH Potential Benefits....(1/2)**

		Procurement Excellence
<ul> <li>Thermal Energy &amp; AFR Optimization</li> <li>Global market exposure helps in optimal sourcing of solid fuels</li> <li>Upgradation of plants for better thermal energy consumption (Pre-heater, Coolers)</li> <li>India has huge challenge of disposal of 150 million tons of annual waste generation (Industrial, Biomass, Municipal Solid Waste)</li> <li>LafargeHolcim averages 17% of thermal energy from alternative fuels (2017) and best-in-class LafargeHolcim's plants operates at 90% (South East Asia at 25%) of Thermal Substitution Rate TSR) vs 5% for Ambuja. This offers a nuge future upside</li> <li>With LafargeHolcim's support, Ambuja has best-in-class co-processing facilities</li> </ul>	<ul> <li>standardization of process for sustainable operation of plants</li> <li>Development of specialized products and improvement in Clinker Factor</li> <li>Asset Smart approach for capex - use of global knowledge, expertise and best</li> </ul>	<ul> <li>Procurement Excellence</li> <li>Procurement</li> <li>Fuel Sourcing – global overview (Market/price) and benchmarking</li> <li>Global sourcing of MRC (Maintenance, Repair and Overhaul) items and mining equipment through global framework agreements</li> <li>Leverage LafargeHolcim's Chinal sourcing network</li> <li>Continued access to optimal vendo identification network</li> </ul>

## **TKH Potential Benefits....(2/2)**



Over the next 10 years, the Government's continuous focus on infrastructure development (roads, highways, irrigation projects and railways), housing and increased rural spends, along with the efforts towards creating jobs through spending on rural and labour intensive infrastructure, will support economic growth. Ambuja is well positioned to participate in India's growth.

The merger of Lafarge & Holcim led to an increase in group R&D capabilities, number of IPs, network plants and products & solutions available to the Company. The management of Ambuja has requested LafargeHolcim to renew the TKH agreement considering the following

- ✓ Gross quantifiable cumulative **benefits accrued of ~INR 1,245 crore** from 2013 to 2017
- ✓ **Continuation** of the on-going initiatives under implementation and further support required from LafargeHolcim
- ✓ With an aim to build the business in innovative products and solutions segments catering to specialised customer needs.

The proposal is to renew the TKH agreement with no increase in the fee and on the following terms

- ✓ **3 year** validity from January 1, 2018 December 31, 2020
- ✓ Fee being the <u>lower of</u>
  - 1% of the net sales for each financial year
  - Such rate as may be determined by the competent authorities under the Bilateral Advance Pricing Agreement between the governments of India and Switzerland

The Audit Committee, the Independent Directors and the Board are of the opinion that renewal of the TKH Agreement is in the best interest of the Company and its stakeholders



## **Disclaimer / Safe Harbour**

### Cautionary statement regarding forward-looking statements

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