Press Release

Ambuja Cements and ACC collaborate with IIT Delhi to develop next-generation low carbon cement for a greener future

- A research study to develop next-generation calcined clay cements with more than 50% reduced carbon emissions
- Collaboration to be led by the Holcim Innovation Centre

Mumbai, 29th November 2021: Ambuja Cements and ACC have partnered with the Indian Institute of Technology Delhi (IITD) to develop next-generation, Calcined Clay Cements, a low carbon material to promote sustainable construction. Both Ambuja and ACC, in alignment with its parent company, Holcim, have been consistently leveraging innovation and R&D to build a range of green and responsible products to reduce CO2 emissions in India.

This academic collaboration with one of the reputed institutes in India will be implemented through a research project funded by Holcim Innovation Centre, Lyon, France. It will comprise an in-depth scientific study into the influence of clinker, calcined clay and limestone on the performance of calcined clay cements. This collaboration aims to create next-generation low CO2 cement with more than 50% lower carbon emissions for Indian and international consumers.

Mr. Neeraj Akhoury, CEO Holcim India, and Managing Director & CEO, Ambuja Cements Limited said *"Through our extensive R&D set up, we consistently strive to develop new 'Low CO2' materials for the construction industry. Calcined Clay Cement is one such avenue to make a significant quantitative difference in the industry and further accelerate our 'Sustainability drive'. Our academic partnership with IIT Delhi is a big step towards building a greener future and we are excited to collaborate with the best minds in the country."*

"*It is the endeavour of IIT Delhi to make its research relevant to the industry and the society at large. The wide acceptance of Limestone Calcined Clay Cement by the industry worldwide and this collaboration with Holcim to develop the next-generation of calcined-clay cements demonstrate the trust that IIT Delhi has built with the industry. We are confident that this partnership will help us to achieve the goal of sustainable construction that is accessible to the masses",* said, **Prof. Ramgopal Rao, Director, IIT Delhi**

Holcim Innovation Centre continuously engages with a distinguished academic network and has collaborated successfully with over 40 leading universities to achieve innovation excellence through 'Sustainable' & 'Smart' building solutions.

Both the companies have also previously partnered with the Indian Institute of Technology Madras (IITM) to study 'Optimized use of Low CO2 binders with alternative reinforcements' and the Indian Institute of Hyderabad (IITH) to develop 'Smart sensing technology for continuous on-site strength evaluation of a concrete structure'. These academic collaborations stem from

the Company's vision to reimagine how the world is built in order to make it greener, smarter, and more sustainable.

About Holcim

As the world's global leader in building solutions, Holcim is reinventing how the world builds to make it greener and smarter for all. On its way to becoming a net zero company, Holcim offers global solutions such as ECOPact, enabling carbon-neutral construction. With its circular business model, the company is a global leader in recycling waste as a source of energy and raw materials through products like Susteno, its leading circular cement. Innovation and digitalization are at the core of the company's strategy, with more than half of its R&D projects dedicated to greener solutions. Holcim's 70,000 employees are committed to improving quality of life across more than 70 markets through its four business segments: Cement, Ready-Mix Concrete, Aggregates and Solutions & Products.

About Ambuja Cements:

Ambuja Cements Ltd., a part of the global conglomerate Holcim, is among the leading cement companies in India. Ambuja Cement has a cement capacity of 29.65 million tonnes with five integrated cement manufacturing plants and eight cement grinding units across the country. Ambuja Cement has provided hassle-free, home-building solutions with its unique sustainable development projects and environment-friendly practices since it started operations. The Company has many firsts to its credit – a captive port with four terminals that has facilitated timely, cost-effective, cleaner shipments of bulk cement to its customers. To further add value to customers, the Company has launched innovative products like Ambuja Plus, Ambuja Cool Walls, Ambuja Compocem and Ambuja Kawach under the umbrella of Ambuja Certified Technology. These products not only fulfil important customer needs but also help in significantly reducing carbon footprints.

For more details, visit http://www.ambujacement.com
For queries, please write to corporate.communications@ambujacement.com

About ACC

ACC Limited, a member of the Holcim Group, is one of India's leading producers of cement and ready mix concrete. It has over 6,400 employees, 17 cement manufacturing sites, 80 concrete plants and a nationwide network of over 50,000 channel partners to serve its customers. With a world-class R&D centre in Mumbai, the quality of ACC's products and services, as well as its commitment to technological development, make it a preferred brand in building materials. Established in 1936, ACC is counted among the country's 'Most Sustainable Companies' and is recognised for its best practices in environment management and corporate citizenship. With sustainability at the core of its strategy, ACC is the first Indian Cement Company to sign the Net Zero Pledge with Science Based Targets.