



WEBINAR

on

**SUSTAINABILITY APPROACH
FOR THE CEMENT SECTOR**

EMPHASIZING ON CLIMATE, RESOURCE
AND SOCIETAL IMPACTS OF

LC³

**WEDNESDAY
10 AUGUST** | **10:30AM**

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Poster of the webinar on 'Sustainability Approach for the Cement Sector'

Webinar on 'Sustainability Approach for the Cement Sector'

TARA (Development Alternatives Group), as a partner of the Limestone Calcined Clay Cement (LC³) project, along with Indian Institute of Technology (IIT) Madras, IIT Delhi, and École polytechnique fédérale de Lausanne (EPFL), organised a webinar titled, 'Sustainability Approach for the Cement Sector' on 10 August, 2022. The webinar aimed to showcase the importance of sustainability in the cement sector and the pathway for reducing carbon emissions from cement production. It was also aimed at disseminating knowledge on low carbon cement and tried to align the emission reduction potential of LC³ with the Indian government approved Nationally Determined Contribution (NDC) targets.

The speakers at the webinar included Prof. Karen Scrivener, EPFL, Switzerland; Prof. Ravindra Gettu, IIT Madras; Dr Soumen Maity, Chief Technical Officer, TARA; Prof. Manu Santhanam, IIT Madras; Mr Raju Goyal, Chief Technical Officer, Ultratech Cements, Dr S.K. Saxena, Sr Vice President, J.K. Lakshmi Cements. During the webinar, insights were shared on the LC³ technology and its relevance to the Indian cement sector, resource availability for cement production, sustainability, durability, and field application of LC³ as well as initiatives taken by the Indian cement companies to ensure sustainability in cement production. The webinar was attended by more than 100 participants from national as well as international organisations, including participants from Pakistan, Fiji Islands, Australia, and Africa.

The event started with a round of introductions and a welcome address by Dr Soumen Maity. Prof. Karen Scrivener, EPFL, Switzerland, reflected her views on the need to speed up and scale out for accelerating the uptake of Limestone Calcined Clay Cement, contributing towards meeting India's NDC targets. Prof. Ravindra Gettu, IIT Madras, presented his views on sustainability assessment for the cement sector, aiming towards low carbon-based construction, based on life cycle assessment for cement. Dr Soumen Maity discussed the resource availability for cement production in India by forecasting the growth of the cement industry and highlighting sustainable benefits. He emphasised on the availability of fly ash for cement production in the coming years.

Prof. Manu Santhanam detailed out the field applications of LC³ based on the sample analysis for strength and highlighted the promising outcomes. Mr Raju Goyal and Dr S.K. Saxena discussed the various initiatives taken by the Indian cement industry for sustainability by focusing on areas such as innovation, products, operations, materials, energy, sustainability, etc. keeping up with the discussion around the need to create awareness about low carbon cement.

The key issues such as the lack of awareness and the unavailability of raw materials were also discussed, validating the needs on the demand and supply side. The webinar ended with an affirmation for a set of recommendations for the upcoming changes in the cement sector followed by a Question/Answer session. With the collaboration of various cement companies, the development of such material, its promotion and use can be brought up in the field. Cement companies also need to gather their focus on areas like innovation, products, operation, etc.