



**Technology Roadmap: Low Carbon Technology for the Indian Cement Industry
Stakeholder dialogue: Policy & financing**

17 January 2012, Delhi

SESSION ONE: Welcome and overview

- ❖ [Technology roadmap development](#) – Philippe Fonta, Director, CSI
- ❖ [Issues and barriers identified during development of technology papers](#) – K S Venkatagiri, Principal Counsellor, CII and A K Mishra, General Manager, NCBM
- ❖ [Development, modeling and framework of Technology Roadmap](#) – Nathalie Trudeau (Energy Policy Analyst, IEA)
- ❖ [Policy and finance requirements for low carbon growth in the Indian cement industry](#) – Nathalie Trudeau (Energy Policy Analyst, IEA)
- ❖ [IFC Key initiatives related to climate change](#) – Anil Sinha, Head Advisory Services, IFC – South Asia
- ❖ Remarks by M K Singhi, Executive Director, Shree Cement
- ❖ Announcement of Technology Papers online consultation - M K Singhi, Executive Director, Shree Cement and Anil Sinha, Head Advisory services, IFC - South Asia

SESSION TWO: policy for low-carbon growth

Implementing the Greenhouse Gas (GHG) reduction measures highlighted in the technical papers will help the Indian cement industry pursue low-carbon growth. However, certain policy barriers act as deterrents to the speedy implementation of key technologies. These barriers identified were to be shared with policy-makers for their feedback.

- ❖ D S Parihar, Under Secretary, DIPP, GOI
- ❖ K K Chakarvarti, Energy Economist, Bureau of Energy Efficiency
- ❖ Sanjay Pant, Director / Scientist E, BIS
- ❖ [P K Gupta, Senior Environmental Engineer, CPCB](#)

SESSION THREE: finance for low-carbon growth

Financial barriers were also identified as a deterrent to implementation of certain technology options. Recent international climate change discussions and national government commitments have highlighted the complexities in discussions on financing GHG emission reduction opportunities. This session's speakers shared their views on international climate change negotiations and emerging mitigation financing options, outlined international experiences on removing financial barriers, and proposed some of the best-suited options for India to overcome such barriers.

- ❖ [International mitigation discussions on financing](#) – Ashish Khanna, Senior Energy specialist, World Bank
- ❖ [International experience in overcoming financial barriers](#) – Rajesh Miglani, Regional Climate change specialist, IFC South Asia
- ❖ [Probable financial options for Indian industry](#) – Saurabh Diddi, Energy Economist, Bureau of Energy Efficiency

List of participants

Name of participating stakeholder	Designation	Company / organization
Dominic Fernandes	Chief Manager – Energy Conservatoin	ACC Ltd
Rachana	Deputy Manager	
Sandeep Srivastava	Head – Environment	Ambuja Cement
KK Chakavarti	Energy Economist	Bureau of Energy Efficiency (BEE) (Ministry of Power)
Saurabh Diddi	Energy Economist	
Sanjay Pant	Director / Scientist E	Bureau of Indian Standards (BIS)
E Devendar	Director / Scientist E	
B Sandhya	Scientist C	
Hermanta Mukherjee	Deputy General Manager	
Pinaki Dasgupta	Manager	CP Consultants Pvt Ltd
SK Handoo	Senior Advisor (Technical)	Cement Manufacturers Association (CMA)
KK Roy Chaudhery	Technical Officer	
PK Gupta	Senior Environmental Engineer	Central Pollution Control Board
KS Venkatagiri	Principal Counsellor	Confederation of Indian Industry Sohrabji-Godrej Green Business Centre
RVR Murthy	General Manager – Production	CRH / My Home Industries Ltd
Richard Cunningham	Director	
Sajid Zia Khan	Senior Vice President	
BK Singh	Executive Director – Group Marketing and Corporation Communications	
Alieda Baig	Senior Consultant	Emergent Ventures India (EVI)
Preeti Kaushal	Senior Consultant	
Jitander Kumar	General Manager	HeidelbergCement India
R Muralidhar	Vice President	India Cements
Dabajit Das	India Programme Manager	Institute of Industrial Productivity (IIP)
Nathalie Trudeau	Energy Policy Analyst	International Energy Agency (IEA)
Dagmar Graczyk	South Asia Programme Manager	
Anil Sinha	Head – Advisory Services	International Finance Corporation (IFC) South Asia
Sivaram Krishnamoorthy	Operations Officer	
Rajesh Miglani	Regional Climate Change Specialist	
VS Bajaj	President – Corporate Affairs	
YP Sethi	General Manager	National Council for Cement and Building Materials (NCB)
AK Mishra	General Manager	
SK Chaturvedi	General Manager – CRT	

Name of participating stakeholder	Designation	Company / organization
Shashank Jain	Senior Programme Officer (Industry)	Shakti Sustainable Energy Foundation
Mahendra Singhi	Executive Director	Shree Cement
Daniel Raju	General Manager	
Rakesh Bhargava	Joint Vice President	
AP Gupta	Deputy General Manager (E&I)	Shree Digvijay Cement – Cimpor Group
Ashish Khanna	Senior Energy Specialist	The World Bank
Mudit Narain	Energy Specialist	
Shuvendu Bose	Assistant Director	Ernst & Young
L Rajasekar	Executive President	UltraTech Cement
SV Herwadkar	Senior Advisor	
Philippe Fonta	Managing Director	World Business Council for Sustainable Development (WBCSD) - Cement Sustainability Initiative (CSI)
Caroline Twigg	India Coordinator	