

How India's hard-to-abate sectors can go net zero

Marginal Abatement Cost Curves for Carbon Mitigation Technologies

*Thursday 12 October 2023 | 0930 – 1400 IST
Juniper Hall, India Habitat Centre, New Delhi*

Session brief

Industrial outputs are an essential component of any economy. In the Indian context, especially, they play a vital role in producing key commodities that are building blocks for infrastructure, trade and employment. However, each of these industries uses carbon as an integral part of their energy and process needs. For example, in cement manufacturing, clinker production, which is the intermediary process for producing cement, involves the calcination of limestone, resulting in process emissions that are hard to mitigate. Similarly, steel manufacturing requires extensive use of coal as a reducing agent to convert iron ore to iron.

The session will see the launch of our studies on decarbonisation measures for these industries. Our study also analyses key carbon mitigation technologies and evaluates their techno-economic feasibility for decarbonising legacy and upcoming production capacities. The workshop will bring together key stakeholders from industry, academia and the policy sphere to deliberate on strategies for cost-effective, deep decarbonisation of these industries and ultimately achieve India's climate ambitions.

Agenda (IST)

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| 0930 – 1000 | Registration and Welcome Tea |
| 1000 – 1010 | Welcome Address
Hemant Mallya , Fellow, CEEW |
| 1010 – 1020 | Context-setting
Nasra Roy , Head, Sustainability Advocacy, bp |
| 1020 - 1040 | Presentation (Cement) Evaluating Net-zero for the Indian Cement Industry – Marginal Abatement Cost Curves of Carbon Mitigation Technologies
NGR Kartheek , Programme Associate, CEEW |
| 1040 – 1130 | Q&A Session and Open Discussion
Deepak Yadav , Programme Lead, CEEW |
| 1130 – 1150 | Networking and Coffee Break |
| 1150 – 1210 | Presentation (Steel) Evaluating Net-zero for the Indian Steel Industry – Marginal Abatement Cost Curves of Carbon Mitigation Technologies
Sabarish Elango , Programme Associate, CEEW |
| 1210 – 1255 | Q&A session
Hemant Mallya , Fellow, CEEW |
| 1255 – 1300 | Report Release and Concluding Remarks
Deepak Yadav , Programme Lead, CEEW |
| 1300 – 1400 | Networking and Lunch |