

ENERGY COMPACT

Template*



**United
Nations**



HIGH-LEVEL DIALOGUE ON
ENERGY
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UN ENERGY



SECTION 1: AMBITION**1.1. Ambitions to achieve SDG7 by 2030. [Please select all that apply]**

(Member States targets could be based on their NDCs, energy policies, national five-year plans etc. targets for companies/organizations could be based on their corporate strategy)

<input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable and modern energyservices.	Target(s): Time frame: The context for the ambition(s):
<input type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the globalenergy mix.	Target(s): <ul style="list-style-type: none"> UltraTech Cement Limited (UTCL) is committed to increasing the share of renewable/ green energy to 34% by 2024. Time frame: <ul style="list-style-type: none"> short-term (4 years) – by 2024 The context for the ambition(s): <ul style="list-style-type: none"> Cement manufacturing is energy intensive. We depend on our thermal power plants and grid to meet our electrical energy demand. Our company is targeting to transition to low carbon energy sources. This target is set to increase the production and consumption of renewable / green energy in our energy mix which will also result in reduction of carbon emissions. We will be investing aggressively into Waste heat recovery systems and mix of onsite and offsite – renewable energy projects.
<input type="checkbox"/> 7.3. By 2030, double the global rate ofimprovement in energy efficiency.	Target(s): <ul style="list-style-type: none"> UTCL committed to double its energy productivity from the base year of 2010 with the target year of 2035. Time frame: <ul style="list-style-type: none"> Mid-term (10 years) – by 2035 The context for the ambition(s): <ul style="list-style-type: none"> As mentioned earlier, cement manufacturing is energy intensive and improving energy productivity has got identified as one of the key lever for decarbonization and resource conservation. UltraTech operates one of the most energy efficient plants. We are striving the step up even further on the energy metrics and have taken up this target of doubling energy productivity under the EP100 program run by ‘The Climate Group’. As part of this energy productivity program, our company plans to adopt latest technological and digital tools to improve our energy productivity UTCL is focusing on investing in waste heat recovery systems (WHRS) and renewable energy projects through group captive, open access and captive investments. UltraTech firmly believes that companies in the building material sector can come together to step up climate action for meeting the global 1.5-degree ambition. Joining like-minded companies in EP100 allowed us to accelerate and scale-up levers to double energy productivity and also drive the decarbonization agenda.
<input type="checkbox"/> 7.a. By 2030, enhance international cooperation to facilitate access to clean energy research and technology, includingrenewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology.	Target(s): Time frame: <ul style="list-style-type: none"> mid-term The context for the ambition(s): <ul style="list-style-type: none">
<input type="checkbox"/> 7.b. By 2030, expand infrastructure and upgrade technology for supplying modernand sustainable energy services for all in developing countries, in particular least developed countries, small island developing States, and land-locked developing countries, in accordance with their respective programs of support.	Target(s): Time frame: The context for the ambition(s):

1.2. Other ambitions in support of SDG7 by 2030 and net-zero emissions by 2050. [Please describe below e.g., coal phase-out or reforming fossil fuel subsidies etc.]

Target(s):

1. To reduce scope 1 GHG emissions 27% per ton of cementitious material.
2. To reduce scope 2 GHG emissions 69% per ton of cementitious material.
3. GCCA members commit to continue to drive down the CO2 footprint of their operations and products, and aspire to deliver society with carbon neutral concrete by 2050. GCCA will work across the built environment value chain to deliver this aspiration in a circular economy, whole life context.

Time frame:

1. By FY2032 from a FY2017 base year (for point 1 & 2 above)
2. By 2050 for the GCCA Climate Ambition

Context for the ambition(s):

UltraTech has committed as well as got our targets approved from Science Based Targets initiative (SBTi). We have committed to reducing not only our direct emissions by 27% per ton of cementitious material by FY2032 from a FY2017 base year, but also the indirect emissions from the electricity ('scope 2' emissions) by 69 per cent per tonne of cementitious material within the same time frame. In accordance with the Paris Agreement, UltraTech is committed to aligning its portfolios to reflect and finance the low-carbon, climate-resilient economy required to limit global warming to well below 2 degrees Celsius, and will be working toward the with a goal of 1.5 degrees Celsius.

As a founding member of GCCA, we have aligned our targets and strategies with GCCA's roadmap to set a long-term vision for the industry and value chain partners and include a clear plan for linking the technologies, strategies, policies and levers required to achieve this vision. The roadmap sets a clear pathway for

- emissions reduction in cement and concrete production
- savings delivered by concrete during its lifetime
- reduced demand through promoting design
- material and construction efficiencies and improved standards
- reuse of whole concrete structures,
- design for disassembly and reuse of elements
- accounting for the CO2 savings at the end of life including concrete recycling and enhanced recarbonation

We have integrated a low carbon strategy into the business roadmap to address SDG 7 (Affordable and clean energy) and SDG 13 (Climate action) based on COP21 of the United Nations Framework Convention on Climate Change (UNFCCC). One such effort that we have made in accordance with this established goal is that two of our units have successfully operated on **100% RE**. Our **Arrakonam Cement Works** ran entirely on renewable energy for six months in FY21 (RE). Wind Energy, IEX, and Grid were used to generate renewable energy at Arrakonam Cement Works. These renewable energy projects **generated** a total of **245 lakh Kwh** of energy, of which only 187.33 lakh Kwh was consumed in FY21. Our **Ginigera Cement Works** ran entirely on renewable energy for 2 months in FY21 (RE). Both these are significant achievements keeping in mind that cement is an energy intensive industry.

SECTION 2: ACTIONS TO ACHIEVE THE AMBITION

2.1. Please add at least one key action for each of the elaborated ambition(s) from section 1. *[Please add rows as needed].*

<p><i>Description of action (please specify for which ambition from Section 1) 7.2</i></p> <ul style="list-style-type: none"> a. We are aggressively investing into WHR and renewable energy projects b. We are working towards addressing policy barriers c. Forging partnership with companies to structure the renewable energy projects (Group captive, third party purchase or onsite) 	<p><i>Start and end date</i></p> <p>2021 - 2025</p>
<p><i>Description of action (please specify for which ambition from Section 1) 7.3</i></p> <p>UltraTech Cement has joined EP100, a global leadership initiative bringing together a growing group of energy-smart companies. Founded by The Climate Group, EP100 constitutes corporates that commit to using energy more productively. Energy productivity is a way of measuring energy efficiency that aligns directly with business growth and sustainable development goals. Becoming a member of EP100 reaffirms UltraTech's commitment to driving sustainability across its value chain and accelerating business growth. By becoming a member of EP100, UltraTech has committed to double its energy productivity. Improvement of energy performance is one of the critical levers for UltraTech to reduce the carbon intensity of its operations.</p> <p>UltraTech has invested in energy efficiency technologies like cooler up-gradation, calciner modification, voltage variable frequency drive (VVFD) installation and burner modification across its manufacturing plants to improve energy productivity. Going forward, UltraTech will be focusing on using globally emerging technologies, change in product mix, energy mix, digitization and carbon pricing to take energy productivity to the next level. Joining EP100 helps UltraTech to benchmark itself with global companies on energy productivity. There are several key areas which the company will focus on to increase its energy productivity. The company is focusing on investing in waste heat recovery systems (WHRS) and renewable energy projects through group captive, open access and captive investments</p> <p>We are committed to facilitating access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology. We have integrated climate change measures into national policies, strategies and planning. Co-processing is one of the key steps in reducing the demand for natural resources, pollution as well as waste materials landing up in a landfill. The process is especially relevant when dealing with waste materials that cannot be reused. This is one of the key ways in which we have adopted thermal substitution during the most energy-consuming stage of cement and concrete production.</p>	<p><i>Start and end date:</i></p> <p>2019 - 2035</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</i></p>
<p><i>Description of action (please specify for which ambition from Section 1)</i></p>	<p><i>Start and end date</i></p>

SECTION 3: OUTCOMES

3.1. Please add at least one measurable and time-based outcome for **each** of the actions from section 2. *[Please add rows as needed].*

1. 7.2

Outcome:

- ✓ Achieve more than 1 million tons of carbon reduction by the target year
- ✓ Access to sustainable energy sources at cost competitive rates
- ✓ Resource conservation
- ✓ Contribution to India's NDC
- ✓ Contribution to Paris Agreement outcomes

Date: March 2024

2. 7.3

Outcome:

- ✓ Doubling energy productivity
- ✓ Fuel and resource conservation
- ✓ Reduction of carbon emissions
- ✓ Technology transfer
- ✓ Contribution to India's NDC
- ✓ Contribution to Paris Agreement outcomes
- ✓

Date: March 2035

SECTION 4: REQUIRED RESOURCES AND SUPPORT

4.1. Please specify the required finance and investments for **each** of the actions in section 2.

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4.2. [For countries only] In case support is required for the actions in section 2, please select from below and describe the required support and specify for which action.

[Examples of support for the Member States could include: Access to low-cost affordable debt through strategic de-risking instruments, capacity building in data collection; development of integrated energy plans and energy transition pathways; technical assistance, etc.]

<input type="checkbox"/> Financing	Description: Various green financing options
<input type="checkbox"/> In-Kind contribution	Description

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<input type="checkbox"/> Technical Support	<i>Description: Technical assistance and technology transfer in area of Storage options (Battery, pump storage etc.) This will help us accelerate the energy transition.</i>
<input type="checkbox"/> Other/Please specify	<i>Description</i>

SECTION 5: IMPACT

5.1. Countries planned for implementation including the number of people potentially impacted.

The strategies and targets will be implemented in India, Sri Lanka, United Arab Emirates and Bahrain. The number of people directly or indirectly impacted will be 1.41 billion.

5.2. Alignment with the 2030 Agenda for Sustainable Development – Please describe how **each** of the actions from section 2 impact advancing the SDGs by 2030.

[up to 500 words, please upload supporting strategy documents as needed]

7.2: This is aligned to SDG 7

7.3: This is aligned to SDG 7 & 13

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 aligns with the Paris Agreement and national NDCs (if applicable) and support the net-zero emissions by 2050.

[up to 500 words, please upload supporting strategy documents as needed]

The actions mentioned in Section 2 are in line with India’s NDC to:

- To reduce the emissions intensity of GDP by 33%–35% by 2030 below 2005 levels.
- To increase the share of non-fossil-based energy resources to 40% of installed electric power capacity by 2030, with help of the transfer of technology and low-cost international finance including from Green Climate Fund (GCF);

Our actions are directed to help India achieve the pledges and targets set following the Paris Agreement. All our policies and strategies are following GCCA’s GCCA 2050 climate ambition. As one of the world’s largest cement companies, UltraTech has a key role to play in enabling the transition to a low carbon economy. We have been a responsible player, leading with our climate change mitigation strategy. We have developed a strategic long-term plan for GHG emissions reduction linked to planned business growth. UltraTech has an Energy and Carbon Policy in place. It set out the commitments to reduce our energy consumption and carbon footprint over the product lifecycle. We have identified energy management as a continuous area of improvement for the Cement industry as a whole and not just at UltraTech. As a result, we are increasingly conscious of the need to improve our energy productivity. Our energy productivity roadmap enables us to maintain a specific focus on using emerging technologies, work on evolving our product mix, energy mix and carbon pricing to achieve our targets. UltraTech is part of EP100, a global leadership initiative bringing together a growing group of energy-smart companies devoted to doubling their energy productivity since 2018. As many as 132 biogas-based cooking plants are installed in the communities around our plants. These have helped us to save close to 2,400 tCO2 per annum over the last four years. UltraTech has also done an internal mapping of climate change risks & opportunities as per recommendations made by the Task Force on Climate-related Financial Disclosures (TCFD). A life cycle assessment has been carried out for our products to understand the associated carbon emissions throughout the value chain. The contribution to the Global Warming Potential of UltraTech’s product from highest to lowest emission intensity is Ordinary Portland Cement (OPC), Pozzolana Portland Cement (PPC), Pozzolana Slag Cement (PSC) and Portland Composite Cement (PCC). This study serves as the basis for efforts to identify hotspots and reduce the carbon footprint of our products over the lifecycle.

SECTION 6: MONITORING AND REPORTING

6.1. Please describe how you intend to track the progress of the proposed outcomes in section 3. Please also describe if you intend to use other existing reporting frameworks to track progress on the proposed outcomes.

We proactively measure our carbon footprint as per the CSI CO2 protocol and provide disclosures through the Carbon Disclosure Project (CDP) and the Dow Jones Sustainability Index (DJSI). The carbon emission, renewable energy production, consumption from all the sources is measured as per the GRI Framework. The data is assured via a third party and is reported and disclosed in our Sustainability Report.

SECTION 7: GUIDING PRINCIPLES CHECK LIST

Please use the checklist below to validate that the proposed Energy Compact is aligned with the guiding principles.

I. Stepping up ambition and accelerating action - Increase contribution of and accelerate the implementation of the SDG7 targets in support of the 2030 Agenda for Sustainable Development for Paris Agreement

I.1. Does the Energy Compact strengthen and/or add a target, commitment, policy, action related to SDG7 and its linkages to the other SDGs that results in a higher cumulative impact compared to existing frameworks?

Yes No

I.2. Does the Energy Compact increase the geographical and/or sectoral coverage of SDG7 related efforts? Yes No

I.3. Does the Energy Compact consider inclusion of key priority issues towards achieving SDG7 by 2030 and the net-zero emission goal of the Paris Agreement by 2050 - as defied by latest global analysis and data including the outcome of the Technical Working Groups? Yes No

II. Alignment with the 2030 agenda on Sustainable Development Goals – Ensure coherence and alignment with SDG implementation plans and strategies by 2030 as well as national development plans and priorities.

II.1. Has the Energy Compact considered enabling actions of SDG7 to reach the other sustainable development goals by 2030? Yes No

II.2. Does the Energy Compact align with national, sectoral, and/or sub-national sustainable development strategies/plans, including SDG implementation plans/roadmaps? Yes No

II.3. Has the Energy Compact considered a timeframe in line with the Decade of Action? Yes No

III. Alignment with Paris Agreement and net-zero by 2050 - Ensure coherence and alignment with the Nationally Determined Contributions, long term net zero emission strategies.

III.1. Has the Energy Compact considered a timeframe in line with the net-zero goal of the Paris Agreement by 2050? Yes No

III.2. Has the Energy Compact considered energy-related targets and information in the updated/enhanced NDCs? Yes No

III.3. Has the Energy Compact considered alignment with reaching the net-zero emissions goal set by many countries by 2050? Yes No

IV. Leaving no one behind, strengthening inclusion, interlinkages, and synergies - Enabling the achievement of SDGs and just transition by reflecting interlinkages with other SDGs.

IV.1. Does the Energy Compact include socio-economic impacts of measures being considered? Yes No

IV.2. Does the Energy Compact identify steps towards an inclusive, just energy transition? Yes No

IV.3. Does the Energy Compact consider measures that address the needs of the most vulnerable groups (e.g. those impacted the most by energy transitions, lack of energy access)? Yes No

V. Feasibility and Robustness - Commitments and measures are technically sound, feasible, and verifiable based a set of objectives with specific performance indicators, baselines, targets and data sources as needed.

V.1. Is the information included in the Energy Compact based on updated quality data and sectoral assessments, with clear and transparent methodologies related to the proposed measures? Yes No

V.2. Has the Energy Compact considered inclusion of a set of SMART (specific, measurable, achievable, resource-based and time based) objectives? Yes No

V.3. Has the Energy Compact considered issues related to means of implementation to ensure feasibility of measures proposed (e.g. cost and financing strategy, technical assistant needs and partnerships, policy and regulatory gaps, data and technology)? Yes No

SECTION 8: ENERGY COMPACT GENERAL INFORMATION

8.1. Title/name of the Energy Compact

Accelerating Energy Transition program at UltraTech Cement.

8.2. Lead entity name (for joint Energy Compacts please list all parties and include, in parenthesis, its entity type, using entity type from

UltraTech Cement Limited

8.3. Lead entity type

Government

Local/Regional Government

Multilateral body /Intergovernmental Organization

Non-Governmental Organization (NGO)

Civil Society organization/Youth

Academic Institution /Scientific Community

Private Sector

Philanthropic Organization

Other relevant actor

8.4. Contact Information

8.5. Please select the geographical coverage of the Energy Compact

Africa Asia and Pacific Europe Latin America and Caribbean North America West Asia Global

8.6. Please select the Energy Compact thematic focus area(s)

Energy Access Energy Transition Enabling SDGs through inclusive just Energy Transitions Innovation, Technology and Data Finance and Investment.

SECTION 9: ADDITIONAL INFORMATION (IF REQUIRED)

Please provide additional website link(s) on your Energy Compact, which may contain relevant key documents, photos, short video clips etc.