



SDG7 Energy Compact of JSW Cement

A next Decade Action Agenda to advance SDG7 on sustainable energy for all, in line with the goals of the Paris Agreement on Climate Change

**SECTION 1: AMBITION**

**1.1. Ambitions to achieve SDG7 by 2030.** [ Please select all that apply, and make sure to state the **baseline** of each target]

(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"/> <b>7.1.</b> By 2030, ensure universal access to affordable, reliable, and modern energy services.	Target(s): Time frame: Baseline: Context for the ambition(s):
<input checked="" type="checkbox"/> <b>7.2.</b> By 2030, increase substantially the share of renewable energy in the global energy mix.	Target: <b>To increase the renewable energy share in JSW Cement's operations by 30% of renewable energy by 2030</b> Time frame: 2030 (10 years) Baseline: 2020-21 (3.15%) Context for the ambition(s): <ul style="list-style-type: none"> <li>• To reduce our dependency on fossil fuels for power generation as well as minimizing CO<sub>2</sub> emissions which will have positive impact on the environment in long run</li> <li>• Renewable energy share includes Solar, Wind, Waste Heat Recovery and Hydropower.</li> </ul>
<input checked="" type="checkbox"/> <b>7.3.</b> By 2030, double the global rate of improvement in energy efficiency.	Target: <b>Double the energy productivity of JSW Cement's operations by 2030</b> Time frame: 2030 (17 years) Baseline: 2013-14 Context for the ambition(s): To double the energy productivity from our operations by various measures and thus reduce the overall energy requirements as well as CO <sub>2</sub> emissions.
<input type="checkbox"/> <b>7.a.</b> By 2030, enhance international cooperation to facilitate 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.	Target(s): Time frame: Baseline: Context for the ambition(s):
<input type="checkbox"/> <b>7.b.</b> By 2030, expand infrastructure and upgrade technology for supplying modern and 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: Baseline: 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: <b>20% Thermal Substitution Rate (TSR) in JSW Cement's cement kilns by 2030</b> Time frame: 2030 (10 years) Baseline: 2020-21 (4.23%) Context for the ambition(s): Usage of alternative fuels in place of traditional fossil fuels thus reducing overall CO <sub>2</sub> emissions. Thermal Substitution Rate (TSR) refers to amount of alternative fuels consumed in place of traditional fossil fuels during clinker manufacturing.
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**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)</i>                  7.2 Target: To increase the renewable energy share in JSW Cement's operations by 30% by 2030  <b>Action: Install renewable energy sources such as solar, wind projects, purchase renewable power from open access, make power purchase agreements with renewable energy suppliers, install of YWaste Heat Recovery Systems (WHRS)</b></p>	<p><i>Start and end date</i>                  Apr 2021 to Dec 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i>                  7.3 Target: Double the energy productivity of JSW Cement's operations by 2030  <b>Action: Improve energy efficiency, optimize to reduce energy consumption, improve clinker factors and change in product mix</b></p>	<p><i>Start and end date</i>                  Apr 2021 to Dec 2030</p>
<p><i>Description of action (please specify for which ambition from Section 1)</i>                  1.2 Target: 20% Thermal Substitution Rate (TSR) in JSW Cement's cement kilns by 2030  <b>Action: Increase the usage of alternative fuels in clinker manufacturing</b></p>	<p><i>Start and end date</i>                  Apr 2021 to Dec 2030</p>

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**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].*

<p><i>Outcome</i>                  7.2 Target: To increase the renewable energy share in JSW Cement's operations by 30% by 2030                  7.3 Double the energy productivity of JSW Cement's operations by 2030                  1.2 Target: 20% Thermal Substitution Rate (TSR) in JSW Cement's cement kilns by 2030  <b>Outcomes:</b>                  Improved energy efficiency; reduced consumption of convention fossil fuels and transition to clean renewable energy sources; reduced CO<sub>2</sub> emissions                   Meets SDG 7: Affordable and clean energy   SDG 8: Decent work and economic growth   SDG 9: Industry, innovation and infrastructure</p>	<p><i>Date</i>                  Dec 2030</p>
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**SECTION 4: REQUIRED RESOURCES AND SUPPORT**

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

<p>7.2 Target: To increase the renewable energy share in JSW Cement's operations by 30% by 2030                  7.4 Double the energy productivity of JSW Cement's operations by 2030                  1.2 Target: 20% Thermal Substitution Rate (TSR) in JSW Cement's cement kilns by 2030</p> <p>Finance required for <i>implementation of WHRS, pre-processing platforms; subsidy for renewable energy (RE) Installations</i></p> <p>Technical support required for <i>knowledge sharing in pre-processing facilities, new technologies of RE generation, capacity building</i></p> <p>Policy support required for <i>carbon pricing, classification of WHRS as renewable energy, and availability of alternative fuels at affordable costs</i></p>
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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 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	
<input type="checkbox"/> In-Kind contribution	
<input type="checkbox"/> Technical Support	

Other/Please specify

## SECTION 5: IMPACT

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

India

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]*

The targets will help achieve SDG 7: Affordable and clean energy | SDG 8: Decent work and economic growth | SDG 9: Industry, innovation and infrastructure

5.3. Alignment with Paris Agreement and net-zero by 2050 - Please describe how **each** of the actions from section 2 align 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]*

Will help India meet its Nationally Determined Contribution at the CoP21 Paris Agreement:

- Achieve 40% share of non-fossil-fuel based installed power generation capacity by 2030
- Reduce its share of emissions intensity of its GDP by 33-35% over 2005 levels by 2030

## 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.

Yearly reporting like Sustainability Report , Renewable Energy (RE) 100, Energy Productivity (EP) 100, Electric Vehicle (EV) 100 etc.

## 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

JSW CEMENT LIMITED

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

JSW 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

MANOJ KUMAR RUSTAGI, SENIOR VICE PRESIDENT , EMAIL - [MANOJ.RUSTAGI@JSW.IN](mailto:MANOJ.RUSTAGI@JSW.IN)

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.  
[www.jswcement.in](http://www.jswcement.in)