



SDG7 Energy Compact of Pimpri Chinchwad Municipal Corporation

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)

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| <input type="checkbox"/> 7.1. By 2030, ensure universal access to affordable, reliable, and modern energy services. | |
| <input type="checkbox"/> 7.2. By 2030, increase substantially the share of renewable energy in the global energy mix. | <p>Target(s): Installation of waste to energy plant of 14 MW capacity Time frame: 2018 to 2023 Baseline: Construction work of the plan has already been started in 2018. The plant will be operationalized by 2023. Context for the ambition(s): In recent times waste-to-energy has been increasingly viewed as a solution to the problems derived from rising waste quantities in expanding cities as well as rapidly growing energy demands. The United Nations Sustainable Development Goals (SDG) call for improvements in waste management practices as a basic service to citizens. The project considers treatment of waste to energy in this context.</p> |
| | <p>Target(s): Installation of rooftop solar plants of 10 MW on all government buildings Time Frame: The targeted year to complete the project is 2030 Baseline: Approx. 892KW capacity solar plant already installed on various Government buildings of which the commencement started in 2019. Context: In present times, the world has been adopting renewable power at a rapid rate. India is also emerging in the global arena as a leading generator of renewable energy. Rooftop solar installations can help in cutting down electricity bills.</p> |

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|---|--|
| | <p>Rooftop panels supply electricity to buildings, so they need to buy less electricity from the grid thereby saving on energy costs.</p> <p>Target(s): Bio-Methanation plant to convert hotel waste to biogas of a 50 TPD capacity Time frame: 2021 to 2023 Baseline: Publication of tender for onboarding the agencies/ contractor for the first- bio methanation plant is in process. It is targeted to allot the work order by November 2021 and commencing the construction of the plant by Jan/ Feb 2022. The plant will be operationalized by 2023. Context for the ambition(s): The purpose of the Bio-Methanation Plant is to utilize hotel waste to produce biogas which will be used as fuel for commercial as well as domestic purpose. It will be used as fuel in gas-based engines and will be accessible to the citizens at affordable price. Waste disposal, which is a serious concern (since it requires large dumping lands and can also lead to foul odor and pollution), will also be addressed as an integral part of the project.</p> |
| <input type="checkbox"/> 7.3. By 2030, double the global rate of improvement in energy efficiency. | <p>Target(s): Time frame: Baseline: Context for the ambition(s):</p> |
| <input type="checkbox"/> 7.a. 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. | <p>Target(s): Time frame: Baseline: Context for the ambition(s):</p> |
| <input type="checkbox"/> 7.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 | <p>Target(s): Installation of Electric Vehicle Charging Station across the city Time frame: 2022 to 2028 Baseline: Proposals from the consultants are being reviewed. MoU will be finalized in 2-3 months and installation work of the EV charging station will commence by 2022. Context for the ambition(s): The transition to electric mobility is a promising global strategy for decarbonizing the transport sector. India is among a handful of countries that support the global EV30@30 campaign, which targets to have at least 30% of new vehicle sales be electric by 2030. An accessible and robust network of electric vehicle (EV) charging infrastructure is an essential pre-requisite for achieving this ambitious transition.</p> |

countries, in accordance with their respective programs of support.

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): Aim to achieve 100 per cent collection and segregation of waste at source in Pimpri Chinchwad

Time frame: 2021 to 2023

Baseline: The initiative has already been started in 4 wards in August 2021. The target is to start the collection and segregation of waste in all wards by October 2021 and making the city bin-free by 2022-23.

Context for the ambition(s): Waste generation has witnessed an increasing trend parallel to the development of industrialization, urbanization, and rapid growth of population. The problem has become one of the primary urban environmental issues. Poor management of waste has led to contamination of water, soil, and atmosphere and in turn to a major impact on public health. To make the city healthy and livable, the primary step is to segregate the waste and dispose of it in a proper way. To make the city clean and bin-free, waste segregation at source is the only way to achieve the aim.

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].

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|---|-----------------------------|
| <i>Bio-methanation plant to convert hotel waste to biogas of a 50 TPD capacity Action: Allotment of work order by November 2021, commencement of construction work by January/ February 2022 and will be operationalized by 2023</i> | <i>Jan/ Feb 2022 - 2023</i> |
| <i>Installation of waste to energy plant with a 14 MW capacity Action: Expediting and closely monitoring the construction work to achieve the targeted timeline by 2023.</i> | <i>2018 - 2023</i> |
| <i>Installation of rooftop solar plants of 10 MW on all government buildings Action: Feasibility study of remaining Govt. buildings to install rooftop solar plant and upcoming new construction will be encouraged to install solar power plant.</i> | <i>2019 - 2030</i> |
| <i>Installation of Electric Vehicle Charging Station across the city Action: Identifying feasible locations for installing EV Charging Stations across Pimpri Chinchwad. Installation work of the EV charging station will commence by 2022 and other actions leading up to 2028.</i> | <i>2022 - 2028</i> |
| <i>Aim to achieve 100 per cent collection and segregation of waste at source Action: Empanelment of the Agencies for capacity building to achieve 100% waste collection and segregation in remaining wards</i> | <i>August 2021 - 2023</i> |

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].*

| | Date |
|---|------|
| <i>Bio-methanation plant to convert hotel waste to biogas of a 50 TPD capacity Outcome: Production of biogas which will be used as an alternative for conventional fuels for commercial and domestic purposes at affordable price. Reduction in amount of waste entering landfills, Reduction in emission of greenhouse gases</i> | 2023 |
| <i>Installation of waste to energy plant with a 14 MW capacity Outcome: Generation of energy by recycling waste Reduction in amount of waste entering landfills Reduction in emission of greenhouse gases</i> | 2023 |
| <i>Installation of rooftop solar plants of 10 MW on all government buildings Outcome: Generation of energy leading to increase in the share of renewable energy Increase in number of solar projects in the city as demonstration effect of our initiative</i> | 2030 |
| <i>Installation of Electric Vehicle Charging Station across the city Outcome: Larger-scale deployment of renewable energy Increase in number of EVs because of availability of suitable infrastructure Reduction in air pollution.</i> | 2028 |
| <i>Aim to achieve 100 per cent collection and segregation of waste at source Outcome: Effective management of solid waste improvement of the hygiene standard of the city. prevention of water and air borne diseases</i> | 2023 |
| | |

SECTION 4: REQUIRED RESOURCES AND SUPPORT

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

For electric vehicle charging station infrastructure financing would be required.

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 checked="" type="checkbox"/> Financing | |
| <input type="checkbox"/> In-Kind contribution | <i>Description</i> |
| <input type="checkbox"/> Technical Support | <i>Description</i> |
| <input type="checkbox"/> Other/Please specify | <i>Description</i> |

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SECTION 5: IMPACT

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

As per Census 2011, the population of the Pimpri Chinchwad City is 1.727 million which will potentially be impacted by each of the ambitions mentioned in section 1.

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]

All the mentioned actions for each of the ambitions ensures healthy lives and promote well-being for all at all ages (SDG 3), access to affordable, reliable, sustainable and modern energy for all (SDG 7), build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation (SDG 9), taking urgent action to combat climate change and its impacts (SDG 13), and strengthen the means of implementation and revitalize the global partnership for sustainable development (SDG 17).
 This also support the India's Nationally Determined Contributions (NDCs) which includes to achieve 40% installed electricity capacity from non-fossil fuel sources and reducing GH emissions intensity per unit of GDP by 33-35 %.

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]

All ambitions are aligned with the India's Nationally Determined Contributions (NDCs) to the 2015 Paris Agreement which includes:

- Achieve 40% installed electricity capacity from non-fossil fuel sources
- Reduce GHG emissions intensity per unit of GDP by 33-35% below 2005

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.

Monitoring framework will be designed based on the data, reports, and resources available in consultation with respective departments.

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

Pimpri Chinchwad Municipal Corporation, Maharashtra, India

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)

Pimpri Chinchwad Municipal Corporation, Maharashtra, India

8.3. Lead entity type

- | | | |
|--|---|--|
| <input type="checkbox"/> Government | <input checked="" type="checkbox"/> Local/Regional Government | <input type="checkbox"/> Multilateral body /Intergovernmental Organization |
| <input type="checkbox"/> Non-Governmental Organization (NGO) | <input type="checkbox"/> Civil Society organization/Youth | <input type="checkbox"/> Academic Institution /Scientific Community |
| <input type="checkbox"/> Private Sector | <input type="checkbox"/> Philanthropic Organization | <input type="checkbox"/> Other relevant actor |

8.4. Contact Information

Sanjay Kulkarni, Jt. City Engineer, Environment Department, PCMC
s.kulkarni@pcmcindia.gov.in
cto@pcmcindia.gov.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.

शहर होणार कचराकुंडीमुक्त

पिंपरी : पुढारी वृत्तसेवा

पिंपरी-चिंचवड शहरामध्ये इंदूर शहराच्या धर्तीवर कचरा व कचराकुंडीमुक्त संकल्पना राबविण्यात येत आहे. त्यासाठी प्रायोगिक तत्वावर शहरातील ४ प्रभागांमध्ये ओला व सुका कचरा वेगळा घेण्यास सुरुवात झाली आहे. हा प्रकल्प संपूर्ण शहरात राबविण्यात येणार असून, जनजागृतीसाठी टेकेदार संस्था नियुक्त केल्या जाणार आहेत. ही प्रक्रिया येत्या २ महिन्यांत पूर्ण करून काम सुरू करण्यात येणार आहे. त्यासाठी महिन्यास दीड कोटीचा खर्च अपेक्षित आहे.

मध्य प्रदेश राज्यातील इंदूर शहराने कचराकुंडीमुक्त शहर म्हणून देशात नावलौकिक मिळविला आहे. स्वच्छ शहर अभियानात शहर अव्वल आहे. तेथील संकल्पना शहरात राबविण्यासाठी आयुक्त राजेश पाटील हे आग्रही आहेत. त्यासाठी पालिकेचे पदाधिकारी व अधिकारी इंदूर शहराचा दौरा करून आले आहेत.

त्यानुसार ७, १५, २८ व २९ या प्रभागात प्रायोगिक तत्वावर घराघरांतून ओला व सुका कचरा

- इंदूर पॅटर्नची प्रायोगिक तत्वावर सुरुवात
- ओला व सुका कचरा वेगळा देण्याबाबत जनजागृती

स्वच्छ भारत अभियानात शहराचे नाव उंचावणार

घराघरातून ओला व सुका कचरा देण्याबाबत शहरभरात जनजागृती केली जाणार आहे. त्यासाठी एजन्सी नियुक्त करण्याची प्रक्रिया सुरू आहे. ही योजना शहरात यशस्वी झाल्यास शहर कचराकुंडीमुक्त होणार आहे. तसेच, स्वच्छ भारत अभियानात शहराचे नाव उंचावणार आहे, असे आरोग्य विभागाचे उपायुक्त संदीप खोत यांनी सांगितले.

वेगवेगळा देण्याबाबत जनजागृती केली जात आहे. त्यासाठी निविदा प्रक्रिया न राबविता घरटी १९ रुपये शुल्क पालिका बेसिक्स म्युनिसिपल वेस्ट व्हेर्चर्स या इंदूरच्या एजन्सीला देत आहे. त्यासाठी दरमहा १८ लाख ७२ हजार ३५५ रुपयांप्रमाणे एकूण ५६ लाख १७ हजार खर्चास स्थायी समितीने १६ जुलैला मान्यता दिली आहे. ते काम एजन्सीमार्कत संबंधित प्रभागात सुरू झाले आहे.

आता ही जनजागृती शहरभर राबविले जाणार आहे. त्यासाठी दर (रेक्रेस्ट फॉर प्रपोजल) मागवून निविदा प्रक्रिया राबविली जाणार आहे. प्रत्येक प्रभागातील हाउसिंग

सोसायट्या, झोपडपट्ट्या, घरे, दुकाने व आस्थापनाची संख्या व लोकसंख्या यांची माहिती एकत्रित केली जाणार आहे. त्याआधारे घरटी शुल्काचा दर निश्चित करून इच्छुक टेकेदार एजन्सींना आमंत्रित केले जाणार आहे.

पालिकेच्या दरापेक्षा कमी दरात काम करण्यास तयार असलेल्या एजन्सीला जनजागृतीचे काम दिले जाणार आहे. हे काम ८ क्षेत्रीय कार्यालयानुसार विभागले जाणार आहे. येत्या दोन महिन्यात ही संपूर्ण प्रक्रिया पूर्ण करण्याचे आरोग्य विभागाचे नियोजन आहे. त्यासाठी महिन्याला सुमारे दीडकोटीचा खर्च अपेक्षित आहे.



70/2/1, Shri Ram Colony, Pimple Saudagar, Pimpri-Chinchwad, Maharashtra 411027, India

Latitude 18.599246° Longitude 73.802009°

LOCAL 10:14:50 GMT 04:44:50 WEDNESDAY 09.08.2021 ALTITUDE 496 METER



70/2/1, Shri Ram Colony, Pimple Saudagar, Pimpri-Chinchwad, Maharashtra 411027, India

Latitude 18.599251° Longitude 73.802020°

LOCAL 10:14:46 GMT 04:44:46 WEDNESDAY 09.08.2021 ALTITUDE 496 METER

Waste collection and segregation



Waste to Energy Plant @ Moshi

<https://timesofindia.indiatimes.com/city/pune/waste-project-to-start-in-2-months/articleshow/69909163.cms>

Solar plant

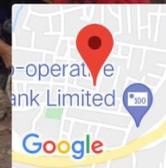
<https://indianexpress.com/article/cities/pune/pcmc-gets-solar-plant-for-its-science-park-6207676/>



Latitude: 18.62168
Longitude: 73.850149
Elevation: 529.73±3m
Accuracy: 27.8m
Time: 07-09-2021 08:26
Note: बुद्ध विहार

Powered by NiteCam

Waste collection and segregation



Pimpri-Chinchwad, Maharashtra, India
SRNO 692/3, near SANT SAI SCHOOL, Gavhanevasti,
Bhosari, Pimpri-Chinchwad, Maharashtra 411039, India
Lat 18.61765°
Long 73.847088°
04/09/21 12:50 PM

GPC Map Camera

Waste collection and segregation