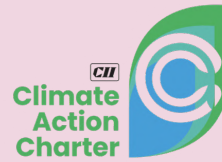




CII-ITC Centre of Excellence
for Sustainable Development



Confederation of Indian Industry

Climate Action Charter Insights Report



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Foreword



Seema Arora

Deputy Director General
Confederation of Indian Industry

Climate change poses serious risks to businesses in the form of extreme weather events, resource scarcity, regulatory changes, and shifting consumer preferences. The CII Climate Action Charter (CCAC) platform was developed by CESD specifically for Indian companies, to map Climate Change as a material risk across value chains and develop long-term actions to build resilience. This platform supports sectoral climate activities while also showcasing efficient methods for lowering climate risks. It has already attracted more than 200 signatories who are committed to combating climate change and improving sustainability practices.

MSMEs are crucial to tackle climate change because of their extensive presence, impact on local communities, innovation potential, and significant carbon contributions. The cumulative carbon footprint of numerous small actions can rival that of larger entities. Encouraging MSMEs to reduce their emissions through energy efficiency measures, renewable energy adoption, waste reduction, and more can lead to significant carbon footprint reductions.

Under the Charter, an extensive study was carried out based on the TCFD approach in seven industrial clusters: Bagru and Sitapura (in Rajasthan); Palda, Pologround, and Sanwer Road (in Madhya Pradesh); Coimbatore, and Tirupur (in Tamil Nadu). Below are some of the key findings of this study:

- Majority of the companies in these seven clusters do not track their greenhouse gas emissions or are unaware of climate change. It is imperative that these companies become more informed about the impacts of climate change on their operations and take steps to mitigate these risks.
- There is significant demand for new programmes and funding from the government to help medium and small businesses adopt necessary measures to transition towards cleaner solutions.

We are pleased to present the "Climate Action Charter Insights Report," which summarizes key results from our in-depth research. We hope that this study will help in encouraging and supporting Indian companies in adopting sustainable practices that can yield tangible environmental, social, and economic benefits on both local and global scales.

I express my gratitude to those who have already embraced CCAC and encourage everyone who is contemplating doing so to join us in this endeavour. Together, we can make a difference and work towards a future that's both sustainable and resilient.

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1. Introduction

Continued greenhouse gas emissions at or above current rates would cause further warming and induce many changes in the global climate system during the 21st century that would very likely be more significant than those observed during the 20th century. The global temperature has already risen 1.1°C above pre-industrial levels, with glaciers melting and the sea level rising. The impacts of climate change also include flooding and drought, displacing millions of people, sinking them into poverty and hunger, denying them access to basic services, such as health and education, expanding inequalities, stifling economic growth, and even causing conflict.

To limit warming to 1.5°C above pre-industrial levels, as set out in the Paris Agreement, global greenhouse gas emissions will need to peak before 2025. Then they must decline by 43 percent by 2030 and to net zero by 2050.

The CII Climate Action Charter (CCAC) has been developed with the vision to assist companies in identifying climate risks to their businesses and establish interventions, systems, and controls to address these risks. The Charter aims to steer Indian industries to limit the global temperature increase to 1.5°C in sync with the Paris Climate Accord.

The Charter was officially launched at the 17th Sustainability Summit of the Confederation of Indian Industry (CII) on September 21st, 2022. Hon'ble Shri Ashwini Kumar Choubey, Minister of State for Environment, Forest, and Climate Change, and Consumer Affairs, Food, and Public Distribution, launched the Charter. Shri Sudhanshu, Secretary, Department of Food and Public Distribution, Ministry of Consumer Affairs was also present at the launch. Mr. Sanjiv Puri, President Designate, CII and Chairman, Advisory Council, CII-ITC Centre of Excellence for Sustainable Development and Chairman and Managing Director, ITC Limited, graced the event.

The CII Climate Action Charter (CCAC) provides Indian businesses a platform to identify climate change as a material risk across their value chains and develop long-term strategies for building resilience. The Charter is built on four guiding principles that assist industry in mapping their preparedness for tackling climate change risk using a maturity model. The companies are supported by the maturity model in developing five-year measurable targets, identifying supply chain vulnerabilities, and reporting on the progress made.



GHG Emission Reduction

Develop measurable short term
(5 years) and long term targets
for GHG emission reduction



Building Resilience

Build resilience for future
climate change impacts



Transition in Value Chain

Support value chain in climate
transition



Mobilizing Green Finance

Accelerate green finance for
climate transition

Companies can address climate change risks by becoming ‘Signatories’ to the Charter, which is a voluntary commitment to the four principles listed above. The signatories gain access to various sessions and workshops organized to impart information on carbon management and reporting. CCAC provides them with insights on how to reduce their current emissions, and the risks affecting their business. It provides organizations with up-to-date industry practices which can further help them create long-term roadmaps designed to tackle the risks of climate change and make the best use of opportunities arising from early adoption of climate action. Though addressing climate risks will be a continuous exercise for the participating industries, the initial task will be to identify gaps and possible solutions.

CESD through this initiative looks ahead to create a network of climate action-focused organizations that can share and showcase their ongoing green / sustainability initiatives and improve each organization’s competitiveness through the integration of sustainability in daily operations. Improving Environment, Social, and Governance (ESG) performance is an added benefit of working with the Charter as ESG strategies and planning have garnered a lot of attention lately and are seen as one of the desirable factors in an organization to grant any benefits resulting from investments, schemes, and policies.

2. Benefits of the Charter for Signatories

A. Charter Signatories: Large Companies



Identifying Climate Risks for Businesses

The Charter can be used by large corporates to evaluate their present climate commitments and actions. Setting a baseline for their climate-related efforts, evaluating their progress, and spotting any gaps can all be aided by this platform. Large Corporates often face challenges in measuring and reporting their Scope 3 emissions and understanding how climate change can impact their business operations and supply chain. The Charter offers handholding through training sessions, webinars, workshops, as well as resource materials to help them develop their capacity to efficiently measure and report their GHG emissions.



Setting Robust, Transparent, Measurable, and Time-Bound Commitments

The Charter consists of measures and indicators to help businesses assess the efficacy of their climate action plans. By incorporating climate risk assessment into the decision-making processes, companies can better adapt, develop contingency plans, and build resilience against the impacts of climate change.



Promote Climate Action throughout the Value Chain

The assessment tool also focuses on developing the sustainability capabilities of the companies' supply chain. It involves providing guidance, resources, and training to suppliers and partners to help them understand and integrate sustainable practices, including climate action measures, into their operations. Promoting climate action throughout the value chain seeks to create a cascading effect, where companies work together towards shared sustainability goals.



Recommendations to Promote Decarbonization at the Corporate Level

Each organisation receives a customised report that summarises their performance, highlights areas for improvement, and offers suggestions for the adoption of sustainable technologies that align with the company's specific needs and financial capabilities.

B. Charter Signatories: MSMEs



Evaluates MSMEs' Exposure to Climate-Related Risks

The MSME toolkit is specifically designed for Micro, Small, and Medium Enterprises (MSMEs). It helps them evaluate their vulnerability to climate risks. It provides a systematic approach to identify and assess the potential impacts of climate change on their operations, and overall business resilience.



Simple GHG Emission Calculation Platform

The MSME toolkit simplifies the process of calculating Greenhouse Gas (GHG) emissions for MSMEs. It focuses on Scope 1 emissions (direct emissions from owned or controlled sources) and Scope 2 emissions (indirect emissions from purchased electricity, heat, or steam).



Capacity Building to Promote Sustainable Practises

The toolkit focuses on empowering MSMEs with the necessary knowledge and skills to adopt sustainable practices. CESD provides handholding through educational resources, training modules, as well as workshops that cover various aspects of sustainability, such as resource efficiency, waste management, renewable energy adoption, circular economy principles, and eco-friendly product development. The goal is to equip MSMEs with practical tools and information to integrate sustainability into their operations.



Recommendations to Promote Decarbonization of MSMEs

MSMEs get a feedback report post the assessment. A summary of their performance, areas for improvement, and potential cost-saving opportunities are all included in the report.

3. MSME Toolkit under CCAC

In October 2022, the Charter began with the development of climate action plans at the industrial MSME cluster level in the states of Rajasthan, Madhya Pradesh, and Tamil Nadu. The objectives of the initiative were to implement the MSME toolkit in industrial clusters, which included the engineering, textiles, food processing, recycling, and mining industries.

The outcomes obtained from applying the MSME toolkit aided in formulating climate action plans at the industrial cluster level, thereby assisting MSMEs in addressing climate-related risks to their businesses.

More than 55 MSMEs showed their interest in joining the Charter during the initial state-level "Awareness Session on MSME Tool" held in Tirupur and Coimbatore, respectively, on December 20 and 21, 2022.

On January 21st, 2023, a second state-level awareness campaign was held in Indore (Palda Cluster, Polo Ground Cluster, and Sanwer Road Cluster), and on January 20th, 2023, and February 25th, 2023, respectively, two MSME awareness workshops were held in Jaipur (Bagru Industrial Cluster and Sitapura Industrial Cluster), both of which saw over 80 MSMEs express their interest and commitment to joining the Charter.

Participants in these sessions discussed the gaps and difficulties MSME clusters are facing pertaining to climate change. The significance of building reporting capacity for Scope 1 and Scope 2 emissions was also emphasized to the participants.

4. Insights from the Cluster-level Analysis

The study and analysis of data collected from seven industrial clusters in Tamil Nadu, Indore, and Jaipur yielded insightful findings. Tirupur, Coimbatore, Palda, Pologround and Sanwer Road, Bagru, and Sitapura were among the clusters' locations.

Strategies and road maps have been developed consequently to assist companies in switching to environmentally friendly practices. The data acquired from this pilot study will serve as the foundation for CESD's subsequent activities under the Charter. The initiative aims to establish a network of like-minded MSMEs so that they can support one another in achieving environmental goals. Additionally, it encourages businesses to share their best practices to effectively address issues related to climate change.

A. Gap Identification

1. Cluster Level GHG Emissions Data

The baseline emissions data for the year 2021-22, the carbon emissions across different locations are provided, categorized into Scope 1 and Scope 2 emissions. Scope 1 emissions, which refer to direct emissions from sources owned or controlled by the reporting entity, exhibit variations among the regions.

Table 1: GHG Emissions from the Seven Clusters for 2021-22

| Industrial Clusters | Baseline Emissions - 2021-22 | | Total Scope 1 & 2 Emissions |
|------------------------------------|------------------------------|--------------|-----------------------------|
| | Scope 1 (MT) | Scope 2 (MT) | |
| <u>Rajasthan</u> | | | |
| Sitapura | 0.00 | 2401.83 | 2401.83 |
| Bagru | 0.00 | 12162.31 | 12162.31 |
| <u>Tamil Nadu</u> | | | |
| Coimbatore | 14266.00 | 25816.00 | 40082 |
| Tirupur | 3526.00 | 7394.00 | 10920 |
| <u>Madhya Pradesh</u> | | | |
| Sanwer Road | 0.21 | 1396.55 | 1396.76 |
| Palda | 303.30 | 1671.15 | 1974.45 |
| Pologround | 0.00 | 293.21 | 293.21 |
| Total Baseline Emissions - 2021-22 | 18095.5 | 51135.05 | 69230.56 |

Total Scope 1 Emissions: 26.12%

Total Scope 2 Emissions: 73.88%

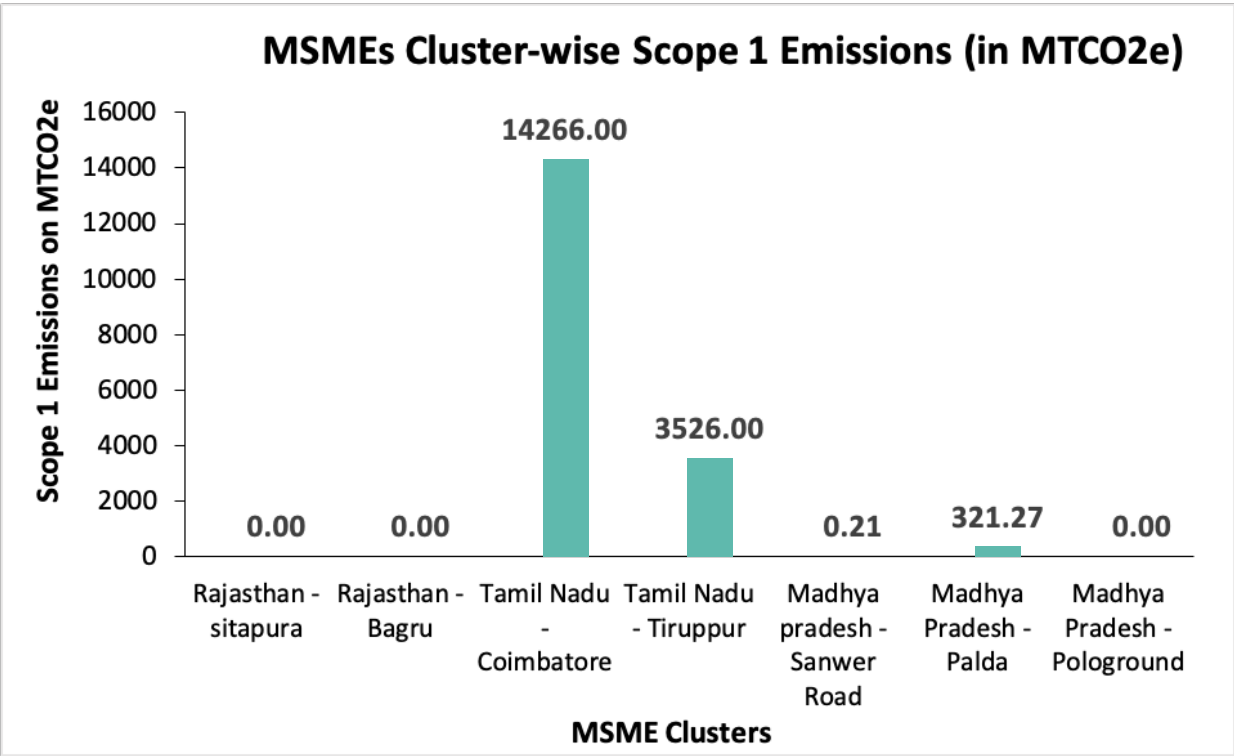


Figure 1: Scope 1 Emissions (in MTCO₂e) from Seven MSME Industrial Clusters

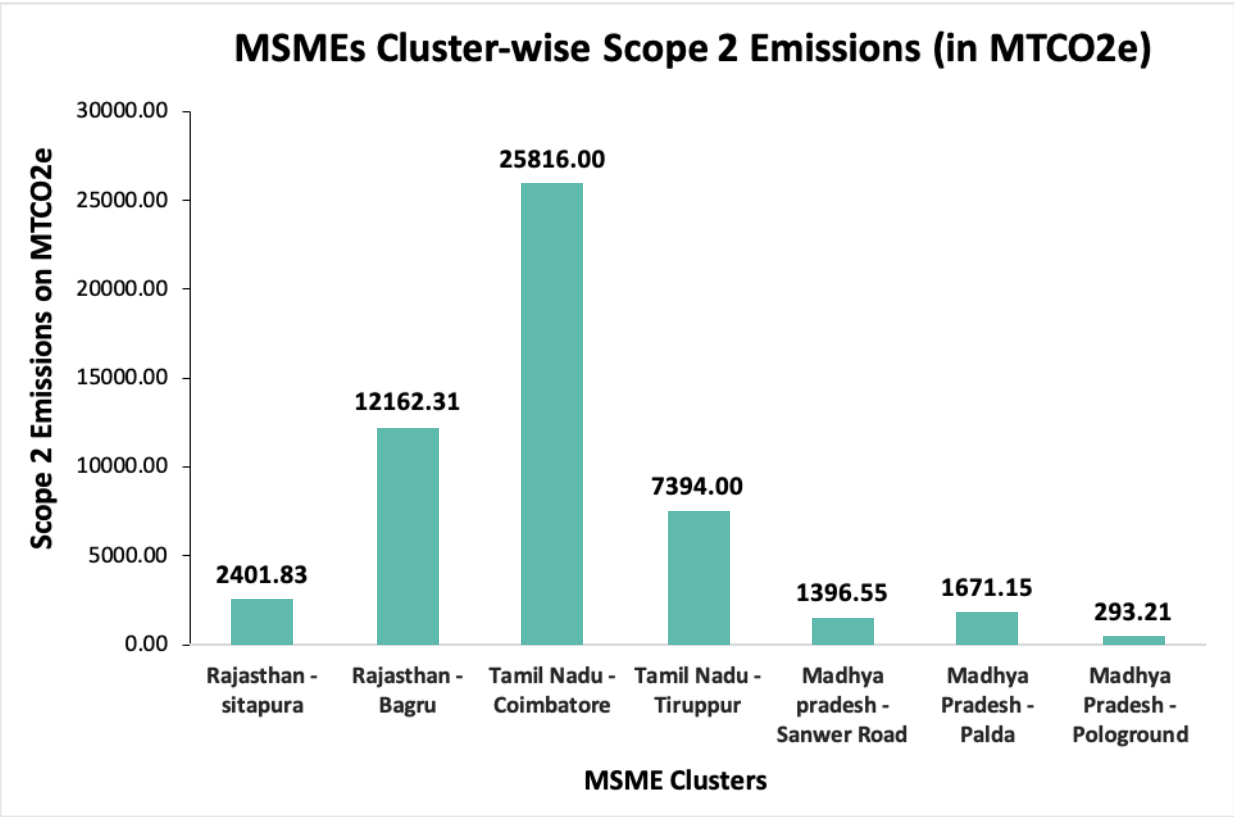


Figure 2: Scope 2 Emissions (in MTCO₂e) from Seven MSME Industrial Clusters

2. Companies Adapting to Climate Change Realities

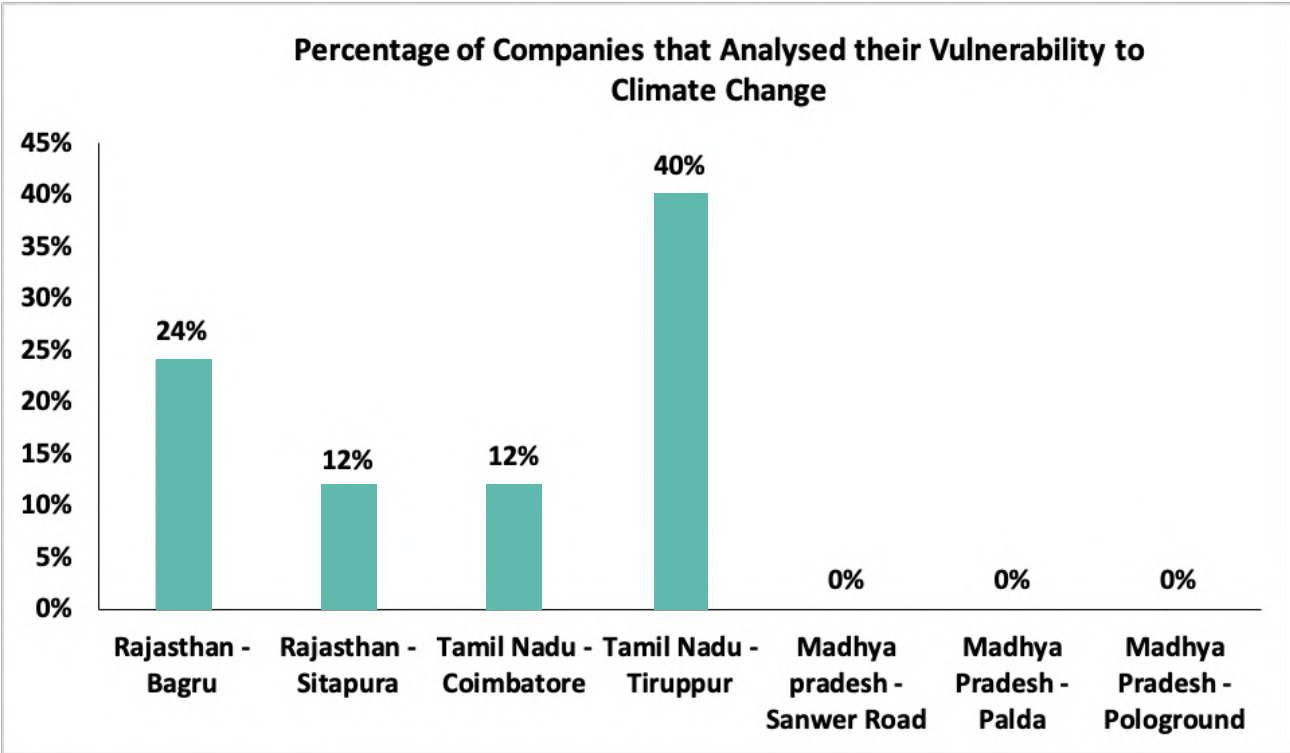


Figure 3: Percentage of Companies that Analyzed their Vulnerability to Climate Change

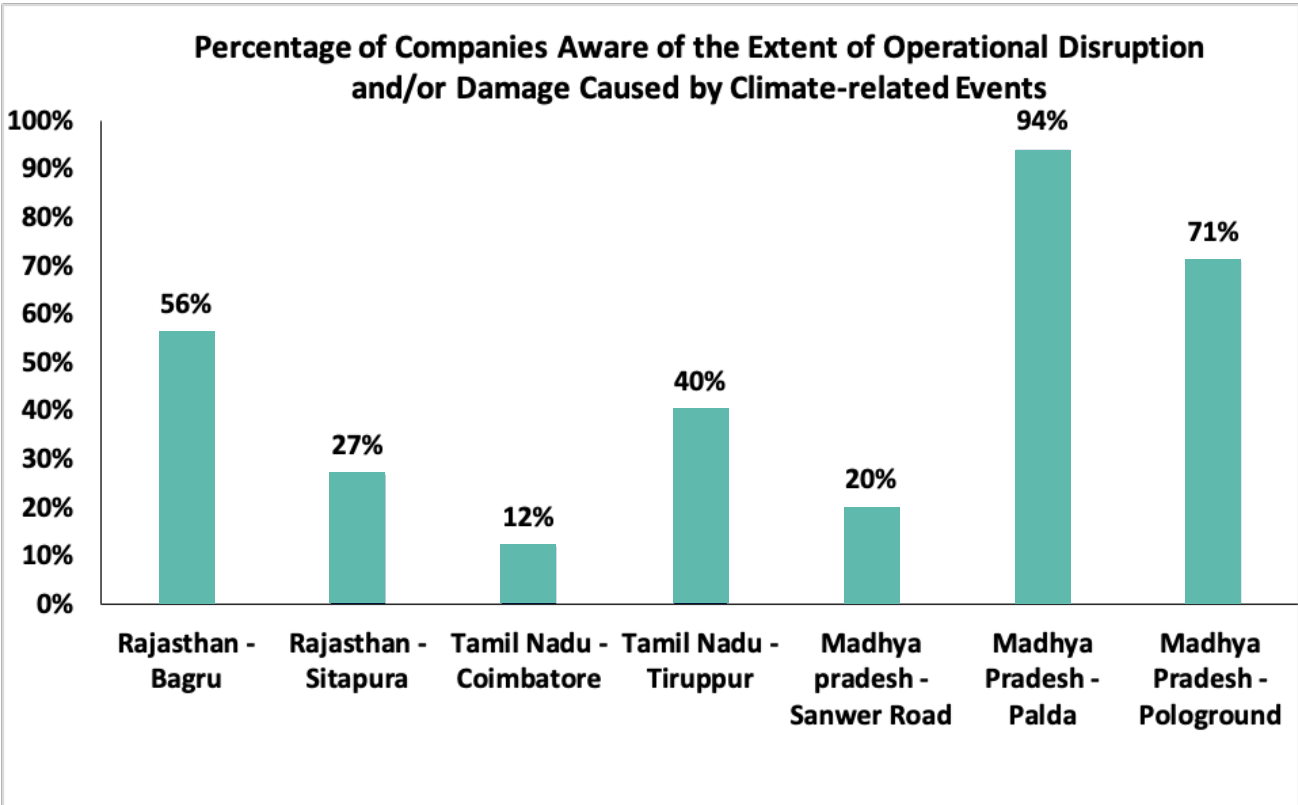


Figure 4: Percentage of Companies Aware of the Extent of Operational Disruption and/or Damage Caused by Climate-related Events

Gaps Identified

The actual extent of the harm caused by climate change is unknown to many companies. Despite dealing with immediate impacts like cyclones, altered weather patterns, and pollution, this lack of awareness makes it difficult for businesses to connect these problems to more serious regional and global climate change issues.

Recommended Actions

Simplified Risk Assessment: Develop simplified tools or guidelines that help MSMEs assess climate-related risks in their operations. This approach makes it easier for smaller businesses to understand and manage potential disruptions.

Ownership: Empower MSME owners and managers to take ownership of climate risks. Emphasize that addressing these risks benefits not only the environment but also the business's continuity and competitiveness.

Capacity building: Offer accessible and affordable training sessions or workshops on climate risk management specifically designed for MSMEs.

Potential Benefits of Recommendations

Enhanced Resilience: MSMEs that adopt climate risk management practices become more resilient to climate-related disruptions, safeguarding their operations, and ensuring continuity even during extreme events.

Long-Term Viability: By integrating climate risk management into their operations, MSMEs position themselves for long-term viability, adapting to changing environmental and regulatory landscapes.

3. Adoption of Climate Risk Management Practices Across Industries

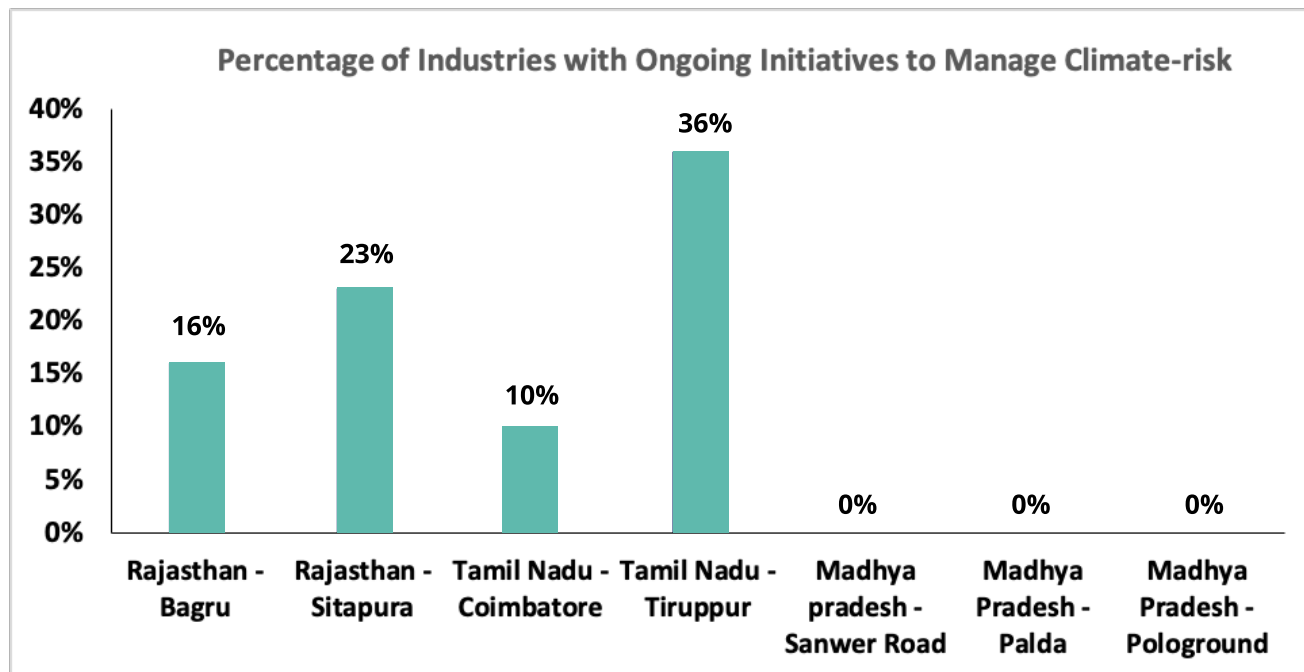


Figure 5: Percentage of industries with ongoing initiatives to manage climate-risk

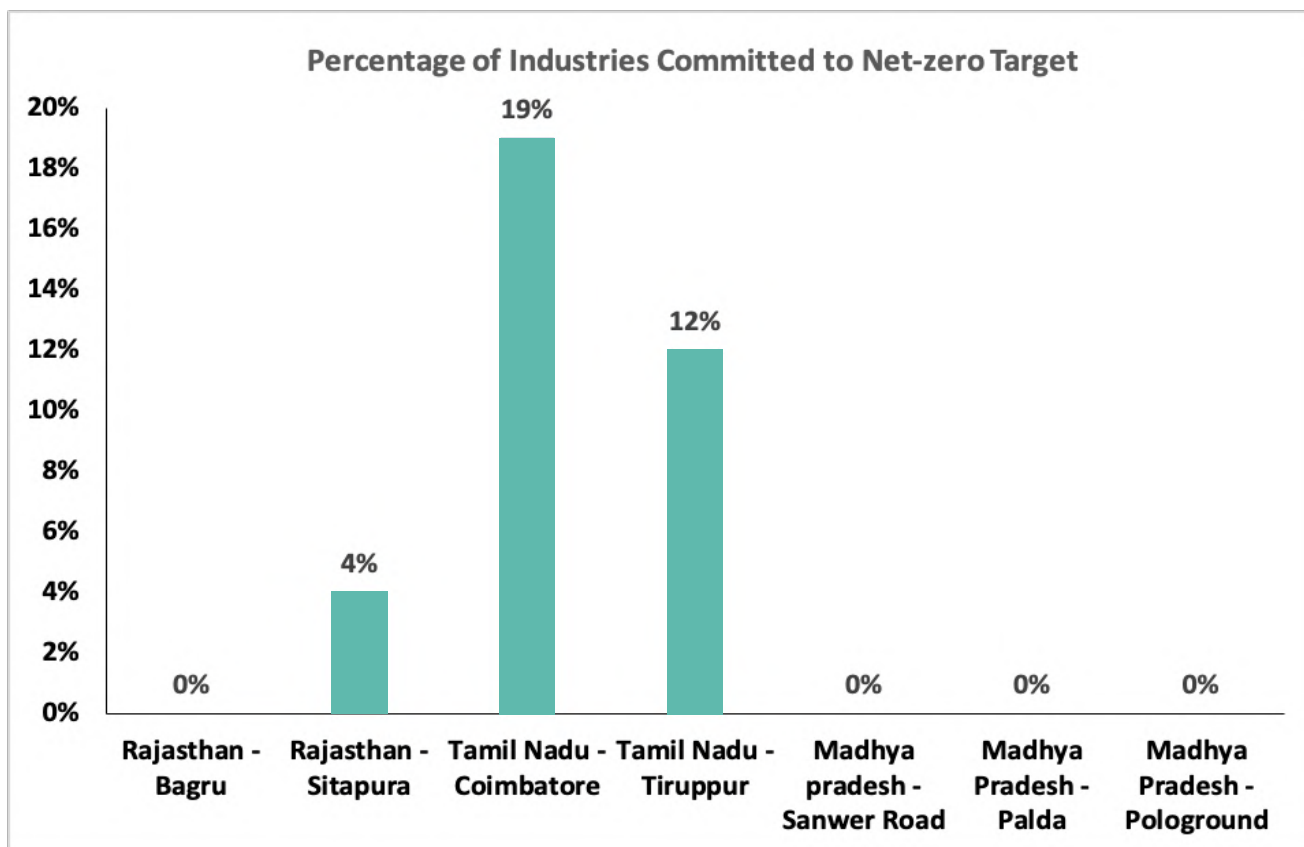


Figure 6: Percentage of Industries Committed to Net-zero Target

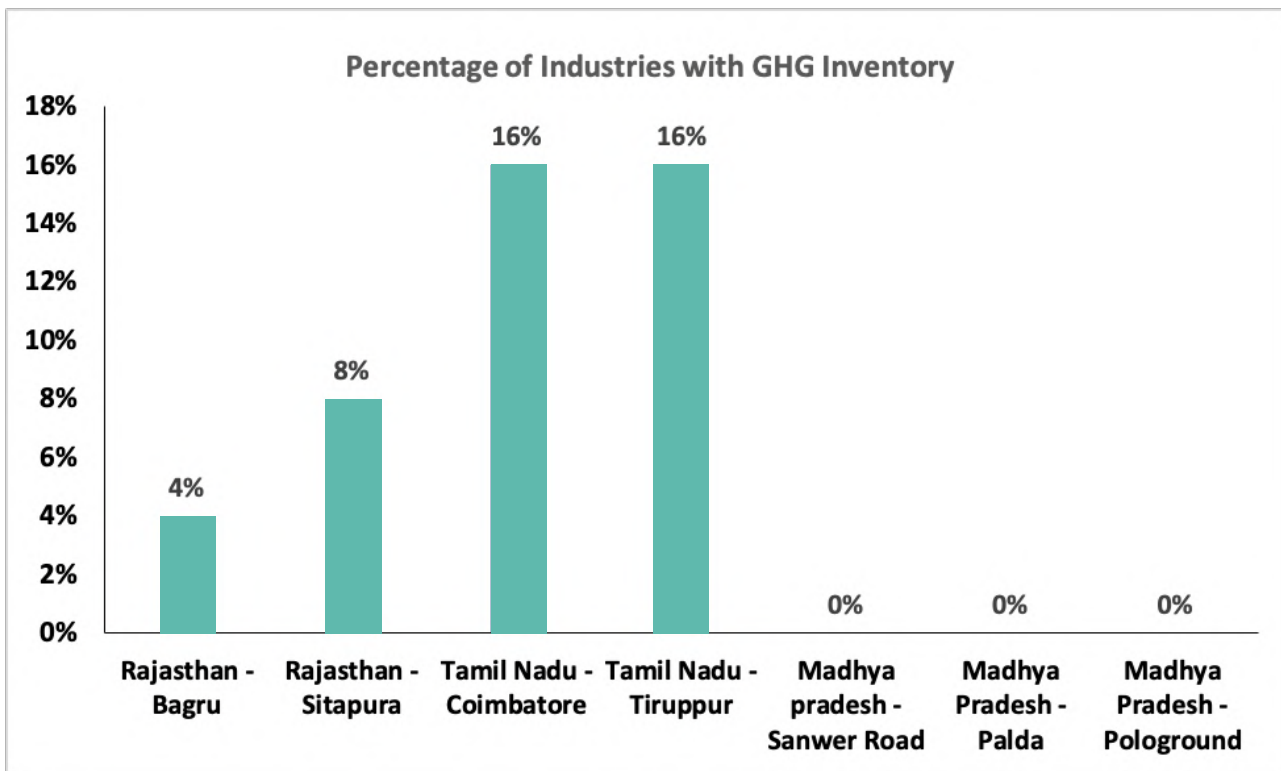


Figure 7: Percentage of Industries with GHG Inventory

Gaps Identified

Industries and businesses, particularly those situated in clusters within Madhya Pradesh, lack awareness or a strong dedication to climate risk management programs and practices. Only a handful of industries maintain a greenhouse gas (GHG) inventory, with minimal to no commitments toward reporting on climatic risk.

Recommended Actions

Capacity Building Workshops: Organize workshops that offer practical guidance and resources for MSMEs to initiate climate risk management. Provide step-by-step instructions and tools to help them establish GHG inventories and understand the importance of reporting.

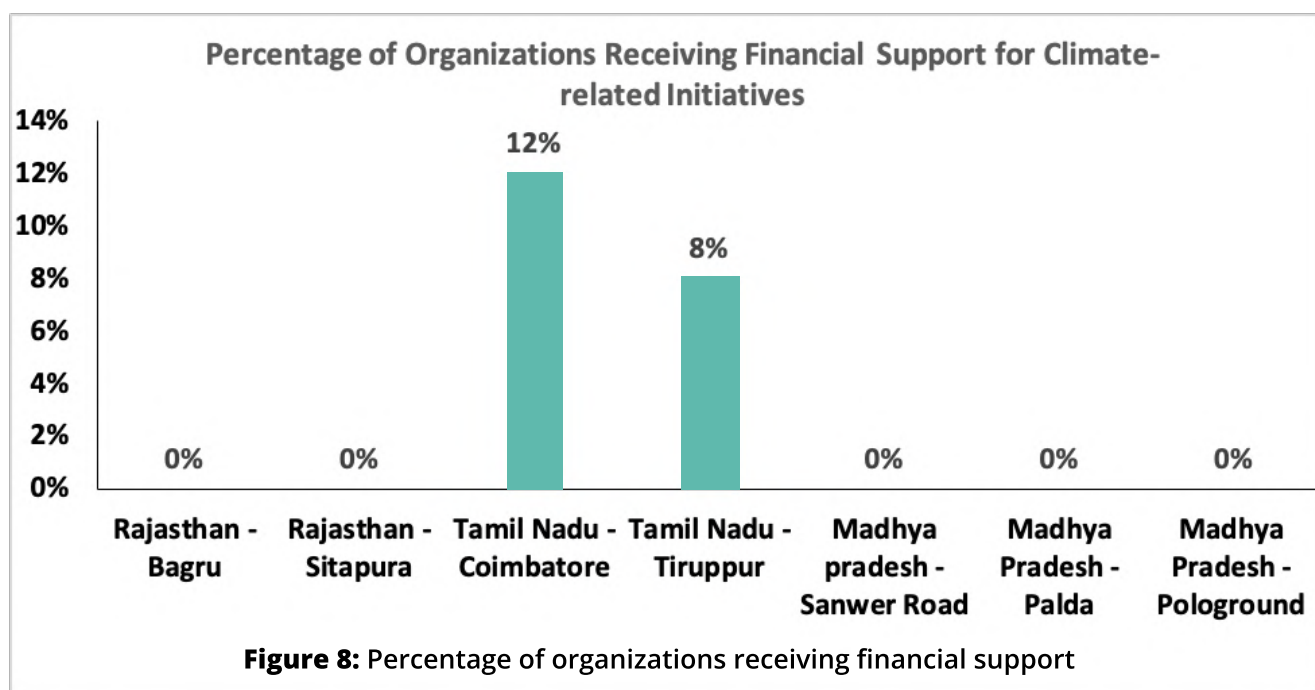
Sectoral Guidance: Develop industry-specific guidelines for GHG inventory maintained, tailored to the unique challenges and opportunities within industrial clusters. This can provide practical insights and steps for businesses to follow.

Enhancing Emission Reduction: Through GHG inventory analysis, the MSMEs can identify areas with high emissions, prioritize reduction initiatives, and implement targeted measures to achieve an overall reduction in emissions.

Potential Benefits of Recommendations

Strategic Emission Mitigation: By conducting GHG inventory analysis, MSMEs acquire a deeper understanding of emission patterns. This knowledge allows them to strategically pinpoint high-emission areas, empowering focused reduction efforts and leading to substantial emission cuts.

4. Support for Sustainability: Financial Assistance for Green Initiatives



Gaps Identified

MSMEs struggle to raise sufficient funds to fully support their green projects, and the government, suppliers, and consumers offer insufficient support.

Recommended Actions

- **Develop Policies and Initiatives:** Enhanced cooperation between the government and industries to formulate policies and initiatives that aid enterprises in diminishing their carbon impact and fostering a more sustainable tomorrow.
- **Innovative Funding Models:** Explore innovative funding models such as impact investing, or green bonds. These approaches can tap into a wider pool of financial resources interested in supporting sustainability.

Potential Benefits of Recommendations

Long-Term Viability: Transitioning to low-carbon practices ensures businesses remain resilient in a changing regulatory landscape, contributing to their long-term viability.

Aligned Efforts: Industry-specific policies can ensure that businesses are working towards common sustainability goals, fostering a unified approach to carbon reduction.

Accelerated Progress: Close cooperation can lead to more efficient development and implementation of policies, speeding up the adoption of sustainable practices across industries.

5. Conclusion

The cluster initiative has provided insightful findings through the study and analysis of data collected from seven clusters. These insights have led to the formulation of action plans and roadmaps that will guide industries and businesses toward environmentally sustainable practices. The acquired insights from this pilot project have become the foundation for future initiatives by CESD through the CCAC.

The initiative's overarching objective is to establish a network of businesses and MSMEs that share a commitment to sustainably foster a robust support system that facilitates mutual assistance in achieving climate action goals. Additionally, the initiative promotes the exchange of best practices within relevant sectors to effectively address climate-related challenges.

6. Way Forward

The CESD aims to enhance the impact of the Climate Action Charter initiative as it moves ahead with the addition of 300 new companies as signatories. The business community's increased interest and commitment shows a concerted effort to actively engage in climate change and sustainability initiatives.

Now in its second phase, the project is already being implemented in Tamil Nadu, Madhya Pradesh, and Uttarakhand. The goal of this phase is to work with the 200 signatories already in place as well as onboard new industries to address climate-related issues and advance sustainability practices

On July 28, 2023, a successful cluster awareness workshop was held in the SIDCUL Haridwar industrial area in Uttarakhand. Companies from the industrial cluster joined the event to raise awareness of both the risks and opportunities associated with climate change. Participants were given an overview of the Charter and its advantages, with an emphasis on how important climate resilience is for regional companies.

The inclusive approach of the Charter, which strives to include diverse businesses from all sectors, emphasizes the significance of collective action in tackling climate change. The involvement of both new and existing signatories confirms the growing importance of climate action in the business community. Their collaborative efforts not only contribute to national and global climate goals but also demonstrate a strong commitment to building a climate-resilient and sustainable future for businesses and communities..



CII



Confederation of Indian Industry

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering Industry, Government, and civil society, through advisory and consultative processes.

CII is a non-government, not-for-profit, industry-led, and industry-managed organization, with around 9,000 members from the private as well as public sectors, including SMEs and MNCs, and an indirect membership of over 300,000 enterprises from 286 national and regional sectoral industry bodies.

For more than 125 years, CII has been engaged in shaping India's development journey and works proactively on transforming Indian Industry's engagement in national development. CII charts change by working closely with Government on policy issues, interfacing with thought leaders, and enhancing efficiency, competitiveness, and business opportunities for industry through a range of specialized services and strategic global linkages. It also provides a platform for consensus-building and networking on key issues.

Extending its agenda beyond business, CII assists industry to identify and execute corporate citizenship programmes. Partnerships with civil society organizations carry forward corporate initiatives for integrated and inclusive development across diverse domains including affirmative action, livelihoods, diversity management, skill development, empowerment of women, and sustainable development, to name a few.

As India strategizes for the next 25 years to India@100, Indian industry must scale the competitiveness ladder to drive growth. It must also internalize the tenets of sustainability and climate action and accelerate its globalisation journey for leadership in a changing world. The role played by Indian industry will be central to the country's progress and success as a nation. CII, with the Theme for 2023-24 as 'Towards a Competitive and Sustainable India@100: Growth, Inclusiveness, Globalisation, Building Trust' has prioritized action themes that will catalyze the journey of the country towards the vision of India@100.

With 65 offices, including 10 Centres of Excellence, in India, and 8 overseas offices in Australia, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with 350 counterpart organizations in 133 countries, CII serves as a reference point for Indian industry and the international business community.

CESD



CII-ITC Centre of Excellence for Sustainable Development

CII-ITC Centre of Excellence for Sustainable Development is a not-for-profit, industry- led institution that helps business become sustainable organizations. It is on a mission to propagate innovative ideas and solutions in India and globally, to enable business, and its stakeholders in sustainable value creation. CESD has leveraged its role as an all- inclusive ecosystem player, partnering industry, government, and civil society. It has been a pioneer of environment management systems, biodiversity mapping, sustainability reporting, integrated reporting, and social & natural capital valuation in India, thus upgrading business in India to sustainable competitiveness.

Since its inception in the year 2006, CII-ITC CESD has evolved with a tremendous trajectory, starting off with the incubation phase of introducing business services, right through augmenting manpower capacity in other cities since 2013, eventually scaling up to the highest rung of strengthening work on macro-economic issues with both domestic and global policy interventions.

CCAC



The CII Climate Action Charter (CCAC) is a platform for Indian businesses to address climate change as a material risk and develop long-term actions to build resilience. It aims to facilitate sectoral climate actions and showcase best practices for addressing climate risks. The CCAC will promote collective action by Indian businesses towards a just, equitable, and resilient transition and help build sustainable and competitive businesses.

MSMEs can play a significant role in driving energy transition to a more sustainable and equitable future. The MSME Toolkit is a unique and comprehensive platform created in line with the CII Climate Action Charter (CCAC). The toolkit provides MSMEs with a platform for assessing their vulnerability to climate-related hazards, raising awareness, and developing short- and long-term resilience measures. The toolkit helps in GHG foot-printing through an easy-to-use tool for calculating Scope 1 and Scope 2 emissions, allowing MSMEs to assess their carbon footprint and take appropriate mitigation measures across different scopes. The toolkit also addresses the climate-related risks that Indian MSMEs face by taking a comprehensive and collaborative approach.

The toolkit enables MSMEs to take ownership of their climate action transition by mapping climate change as a material risk across their value chains. It allows them to build resilience, develop sustainable practices and showcase best practices. The toolkit promotes a collective assessment of climate-related vulnerabilities, with a focus on collaboratively finding solutions for a just, equitable, and resilient transition.

Annexure 1: Key Highlights of Toolkits

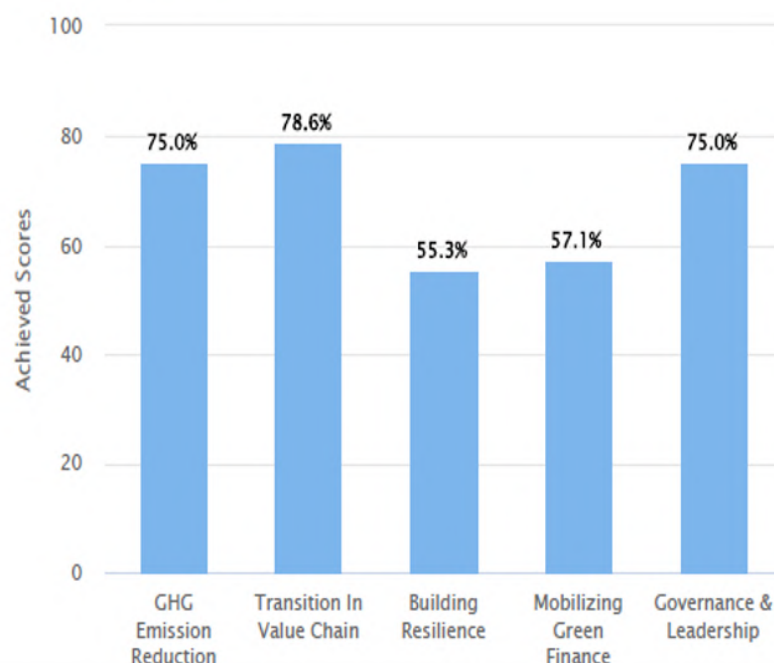
CCAC Toolkit

- The Climate Assessment Toolkit was developed and launched to assess the sustainability performance of signatories based on the four principles of the Charter.
- The toolkit is currently being implemented with signatories to establish a collective baseline of greenhouse gas (GHG) emissions at the charter level.
- Through the toolkit, signatories receive an assessment report detailing their scope emissions and the climate risks their industries are exposed to.
- Additionally, the tool offers a percentage score reflecting a company’s performance in addressing climate change, covering aspects such as GHG emission reduction, value chain transition, building resilience, mobilizing green finance, and governance and leadership.

Summary Data 1: Achieved Scores

| Section | Percentage Score |
|---------------------------|------------------|
| GHG Emission Reduction | 75% |
| Transition In Value Chain | 78.61% |
| Building Resilience | 55.26% |
| Mobilizing Green Finance | 57.14% |
| Governance & Leadership | 75% |

Total percent share



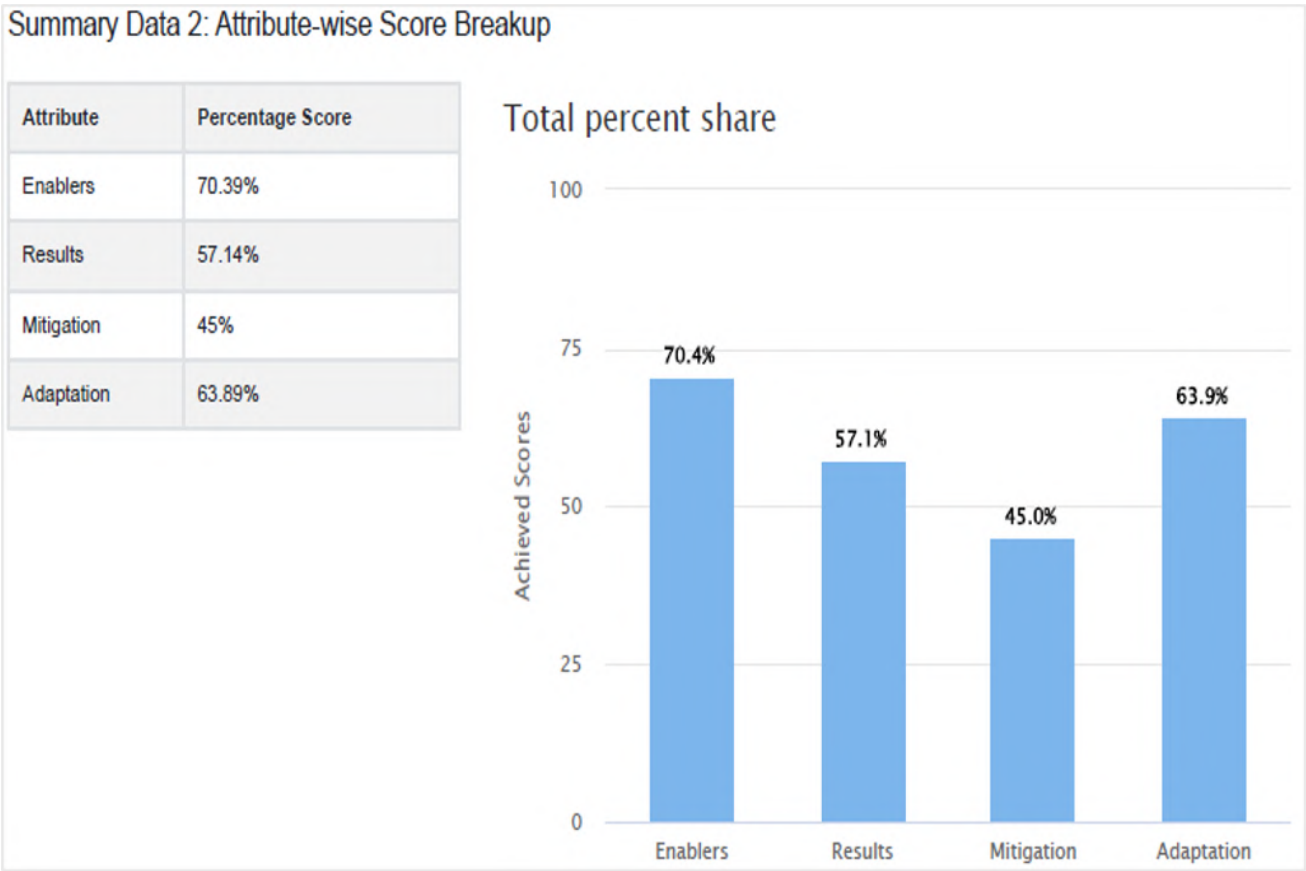
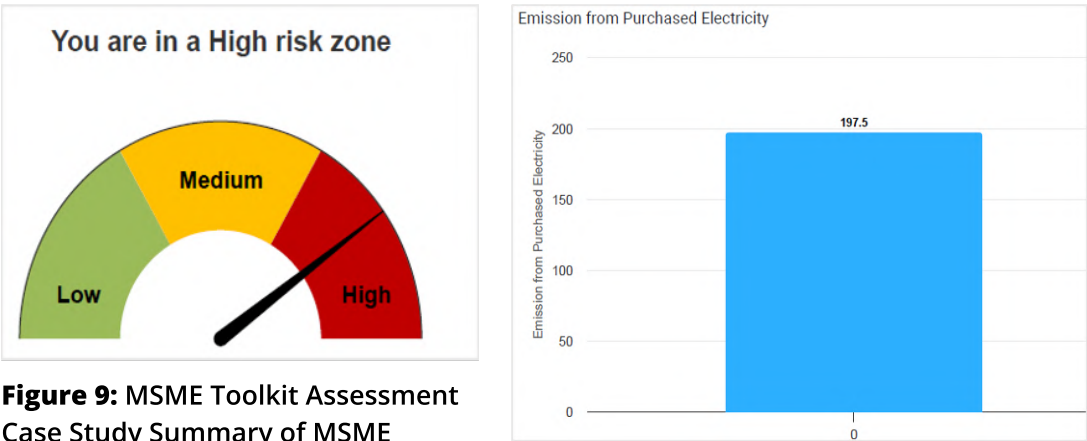


Figure 9: Summary of CCAC Assessment Case Study of a Large Corporate

MSME Toolkit

- An online toolkit was developed and launched to aid MSMEs in identifying climate-related risks and facilitating the measurement of GHG emissions.
- The MSME toolkit has already been put into action, benefiting 180 companies across 7 clusters located in 3 states, namely Madhya Pradesh, Tamil Nadu, and Rajasthan.
- The toolkit offered MSMEs a clear roadmap for transitioning to sustainable energy practices and adapting to climate change risks. Furthermore, it provided customised recommendations for climate change adaptation based on the specific industry type and geographical location of the MSMEs.



Annexure 2: Key Events/Workshops

| Session/Consultation | Description |
|---|---|
| <p>Session on Driving Climate Action for MSMEs in Karnataka</p> <p>Date & Location: 18th August 2022, Webinar</p>  <p>Mr. Ashok Rao, Convenor, CII Karnataka MSME Panel & MD, KGK Engineering</p> | <ul style="list-style-type: none"> CESD conducted a session for 30+ MSMEs in collaboration with CII Karnataka office to raise awareness about climate-related risks to businesses. They showcased the CII-developed toolkit and emphasized its benefits for the industry. The session aimed to encourage MSMEs to participate in the CII Climate Action Charter and take proactive steps in addressing climate challenges.  <p>Mr. Shikhar Jain, Executive Director, CII-ITC Centre of Excellence for Sustainable Development</p> |
|  <p>Best Practices/Case Study by MSME Charter Signatory Mr. Vishal Budhia, CEO, Steam House</p> |  <p>Best Practices/Case Study by MSME Charter Signatory Mr. Taj Alam, MD, Kinga International Ltd.</p> |

| Session/Consultation | Description |
|--|--|
| <p>Session on 'Driving climate action for critical value chain partners"- Tata Metaliks Date & Location: 27th September 2022, Virtual</p> | <ul style="list-style-type: none"> The session focused on identifying gaps and proposing solutions to tackle climate-related risks, while also exploring various modes of engagement available through the CII Climate Action Charter. The main objective was to promote climate action among MSMEs and facilitate their transition in the value chain. The use of the MSME toolkit for measuring GHG emissions and assessing vulnerability to climate-related risks played a crucial role within the framework of the Climate Action Charter. <p>During the session, key steps to decarbonize MSMEs were highlighted:</p> <ul style="list-style-type: none"> Gradually phasing down fossil fuels by transitioning to low-carbon energy sources was emphasized as a crucial first step. Improving energy efficiency across the MSME sector through technological interventions, policy measures, capacity building, and creating a supportive ecosystem was identified as a significant action point. Encouraging greater adoption of renewable energy by offering incentives and implementing measures like process improvements, technology upgrades, and fostering innovation was emphasized. Promoting energy and material efficiency through optimized process and product design, adopting best practices in production, and adopting effective waste management strategies was identified as a practical approach. Facilitating the swift transition towards electrification by providing adequate financing and technical support to MSMEs was seen as an important accelerator in the decarbonization process. |
| <p>Session on Decarbonization Pathways for tier two industries: India's Opportunity to Fight Climate Change- In collaboration with IIM Calcutta Date & Location: 20th October 2022, Kolkata</p> | |



**Prof. Runa Sarkar, Professor, Economics Group
Professor, Economics Group and Prof Sumanta
Basu, IIM Calcutta**



**CESD Team explaining CCAC and its registration
process to industry participants**

Session/Consultation

Description

**MSME toolkit implementation for Industrial
Clusters in Tamil Nadu**

Date & Location:

20th Dec 2022- Tirupur

21st Dec 2022- Coimbatore

- Two sessions on implementing the CCAC MSME toolkit were held in Tirupur and Coimbatore.
- 55+ MSMEs from textile and engineering clusters participated and committed to the Climate Action Charter.



**MSME toolkit implementation for Industrial Clusters
in Coimbatore**



**MSME toolkit implementation for Industrial Clusters
in Tirupur**

Session/Consultation

Description

**MSME toolkit implementation for Industrial
Clusters in Madhya Pradesh**

Date & Location: 21st Jan 2023

Sessions on implementing the CCAC MSME toolkit were held in Indore. Approx. 40 MSMEs from confectionary and engineering clusters participated and committed to the Climate Action Charter.



MSME Toolkit Implementation for Industrial Clusters in Indore

Session/Consultation

Description

MSME toolkit implementation for Industrial Clusters in Rajasthan

Date & Location:

20th Jan 2023 (Bagru)

25th Feb 2023 (Sitapura)

- Sessions on implementing the CCAC MSME toolkit were held in Bagru industrial cluster where Approx. 35 MSMEs from engineering clusters participated and committed to the Climate Action Charter.
- Sessions on implementing the CCAC MSME toolkit were held in Sitapura industrial cluster where Approx. 35 MSMEs from engineering clusters participated and committed to the Climate Action Charter.



MSME toolkit implementation for Industrial Clusters in Jaipur (Bagru Industrial Area)



MSME toolkit implementation for Industrial Clusters in Jaipur (Sitapura Industrial Area)

Session/Consultation

Description

Session on Decarbonization pathways for tier two industries with IIM-C

Date & Location: 27th Feb 2023, New Delhi

The session was held in New Delhi on 27th Feb 2023 in collaboration with the Indian Institute of Management, Calcutta (IIM-C) and focused on:

- Raising awareness of MSMEs regarding moving towards a more sustainable energy mix
- Financing options for implementation of clean energy technologies and addressing current challenges in access to finance.

MSME-specific challenges and solutions & risks and opportunities in the transition to low-emissions operations

- The Climate Action Charter Report for Bagru and Sitapura industrial clusters of Rajasthan has been launched on June 5th during the 'Think Green & Embrace Green Conference on Future Sustainability Roadmap' event (organized by CII Rajasthan in Jaipur on June 5th to commemorate World Environment Day 2023).
- The report holds particular significance for the micro, small, and medium enterprises (MSMEs) operating in these clusters and provides support and guidance on reducing their Greenhouse Gas (GHG) emissions.

Climate Action Charter Report Launch for Bagru and Sitapura industrial clusters of Rajasthan.

Date & Location: 5th June 2023

Jaipur



Climate Action Charter Report Launch for Bagru and Sitapura Industrial Clusters of Rajasthan

Annexure 3: Methodology

We followed the TCFD approach to analyze the study of the clusters. The process involves first identifying all the associated risks arising from the 1.5-degree Celsius and 2-degree Celsius change scenario and its impact on different aspects of the business. Following this we also take the opportunity to identify the opportunities within the business that hold potential that can be realized to improve the business or perhaps create a slight transition to ensure it can be resilient and can attain sustainable working models over time.

The clusters are assessed on all the criteria and their readiness to tackle such risks and opportunities will further give us further insights into the impending financial impact it can have on the cluster and the organizations established in it.

Based on the assessment, action steps have been suggested to the company on how the organization can address and mitigate its climate risks.

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