

Impact Assessment of RENEWABLE ENERGY PROJECT 2023-24



COMPANY'S CHARTER



Wipro Enterprises Private Limited (hereinafter referred as 'Wipro Enterprises' / 'The Company') Charter on Corporate Social Responsibility:

Wipro Enterprises emphasizes the importance of deep and meaningful engagement with social issues, grounded in a long-term commitment that can bring about real change at the grassroot level. This approach recognizes the mutual benefits it offers to both business interests and societal well-being. Wipro Enterprises operates its social programs based on strong ethical principles, good governance, and sound management practices. The company upholds transparency and rigorous reporting as part of its commitment to public scrutiny.

Wipro Enterprises is dedicated to capacity building, community empowerment, inclusive socioeconomic growth, environmental protection, the promotion of green and energy-efficient technologies, the development of underprivileged regions, and the upliftment of marginalized sections of society.

The company remains committed to conducting business operations in a socially responsible manner. Its vision encompasses sustainable business growth while minimizing environmental impact and maximizing positive social contributions.

Wipro Enterprises's approach to CSR centres around addressing systemic social issues in a meaningful and effective manner. The company's CSR policy reflects the principles and strategies that have guided its longstanding commitment to corporate citizenship and social responsibility.

All CSR projects undertaken by Wipro Enterprises align with the CSR policy and comply with the activities listed in Schedule VII of the Companies Act, 2013.

CSR & Sustainability Pillars



The Strategic:

We choose domains and issues to engage with that are force multipliers for social change and sustainable development.



The Systemic:

We choose to engage on systemic issues that require deep, meaningful and challenging work. The objective is to affect systemic change at ground level over a period of time.



The Deliberative:

Our emphasis on depth and on long term commitment implies a deliberative approach that precludes spreading ourselves thin. By implication, this also means that we are wary of expanding and growing our social programmes as ends in themselves. We will continue to adhere to this approach going forward.

IMPACT ASSESSMENT AGENCY



V Sreedharan & Associates is a firm of Company Secretaries in practice having its office at Jayanagar, Bengaluru.

With decades of professional experience in corporate Law and regulatory compliance, the firm brings a strong understanding of legal frameworks and provides competent, efficient, and expert advice on ensuring and enhancing corporate compliance.

This assessment has been carried out with objectivity, diligence, and a focus on delivering insights that support meaningful and sustainable CSR outcomes.

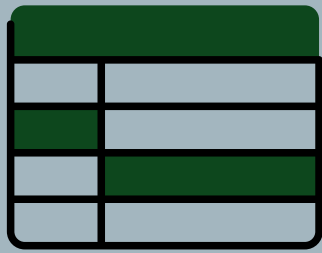


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1. EXECUTIVE SUMMARY



This report evaluates the strategic CSR intervention by Wipro Enterprises to transition its manufacturing operations toward renewable energy through third-party Power Purchase Agreements (PPAs). The initiative, implemented across key units in Peenya, Chennai Plant 1, Chennai Plant 2, and Hindupur, reflects Wipro's commitment to climate responsibility, operational efficiency, and social impact.

The Company has partnered with a consortium of forward-looking clean energy providers. These organizations bring robust expertise in solar and hybrid energy systems, power trading, and grid optimization. Their involvement ensures a stable, cost-effective, and sustainable supply of renewable power aligned with India's RE goals and Wipro's Net Zero aspirations.

The project has led to measurable reductions in carbon emissions, improved plant-level energy performance, and demonstrated financial prudence. Beyond compliance and energy security, the intervention lays a foundation for distributed, decarbonized, and democratized energy use in the long term.

Importantly, the initiative is assessed through both financial materiality (cost savings, risk mitigation, and energy market positioning) and impact materiality (local environmental and community benefits). This dual lens helps position the project as not only an energy transition pathway, but also a lever for inclusive development.

Overall, Wipro Enterprises approach exemplifies how corporate decarbonization, when integrated with socially inclusive strategies, can drive systemic transformation supporting India's sustainability ambitions while enhancing brand equity and stakeholder trust.

2. PROJECT OVERVIEW



I. Applicability of impact assessment pursuant to provisions of the Companies Act, 2013:

The Ministry of Corporate Affairs (MCA), through its notification dated 22nd January 2021, amended the Companies (Corporate Social Responsibility Policy) Rules, 2014, to incorporate provisions related to CSR Impact Assessment. Further, the MCA clarified the applicability of these provisions through its FAQs dated 25th August 2021.

As per the amended rules, every company having an average CSR obligation of ₹10 crore or more under sub-section (5) of Section 135 of the Companies Act, 2013 during the three immediately preceding financial years is required to undertake an impact assessment, through an independent agency, for CSR projects that have an outlay of ₹1 crore or more and have been completed at least one year prior to the impact assessment.

Wipro Enterprises has a CSR obligation of 164.79 million for the Financial Year 2023-24. The Renewable Energy Project undertaken by the company has an outlay of ₹ 44.31 Million (₹4.431 Crores), and hence impact assessment is required to be carried out for the same.

II. About the project:

Wipro Enterprises investment in renewable energy marks a significant step toward environmental stewardship and long-term sustainability. Renewable energy sources such as solar and wind offer clean, reliable alternatives to conventional fossil fuels, helping reduce greenhouse gas emissions and mitigate climate change.

The company has engaged third-party agencies to install and manage solar panels and wind energy systems, ensuring a consistent supply of renewable power tailored to monthly demand. Power requirements are fulfilled on a month-to-month basis based on operational needs.

Wipro Enterprise actively tracks its carbon footprint, monitoring CO₂ emissions monthly in correlation with energy consumption from the electricity board (EB). As per the company's data, CO₂ emissions have seen a reduction of 8% during the assessment period, indicating a positive environmental impact.

Additionally, the use of wind energy, known for its negligible carbon footprint and minimal environmental impact, further reinforces the company's commitment to clean energy. As wind energy operates without the need for fuel, its contribution to the sustainable energy transition is both effective and environmentally sound.

III. Rationale behind the project:

The world is currently grappling with an escalating climate crisis. The continued burning of fossil fuels is releasing significant amounts of greenhouse gases into the atmosphere, contributing to a steady rise in global temperatures. This has led to an increase in extreme weather events such as floods, droughts, and wildfires, posing serious risks to both the environment and human life.

Renewable energy presents a clean, sustainable, and long-term alternative to fossil fuels. Unlike conventional energy sources, renewable energy does not emit greenhouse gases and is derived from naturally replenishing resources. By transitioning to renewable energy, we can significantly reduce our dependence on fossil fuels and actively combat climate change. Moreover, such initiatives can generate employment, foster innovation, and contribute to economic growth.

The renewable energy project undertaken by the company is a vital initiative aligned with these objectives. It addresses environmental concerns while supporting a more resilient and sustainable future. Some of the key drivers behind this project include:

- **Reducing Carbon Emissions:**

The project replaces conventional power sources with renewable alternatives, thereby significantly lowering carbon emissions. This contributes directly to the global effort to mitigate climate change.

- **Improving Air Quality:**

Unlike fossil fuel-based power, renewable energy sources do not emit pollutants that degrade air quality. This transition supports healthier communities by reducing the risk of respiratory illnesses and other health issues associated with poor air quality.

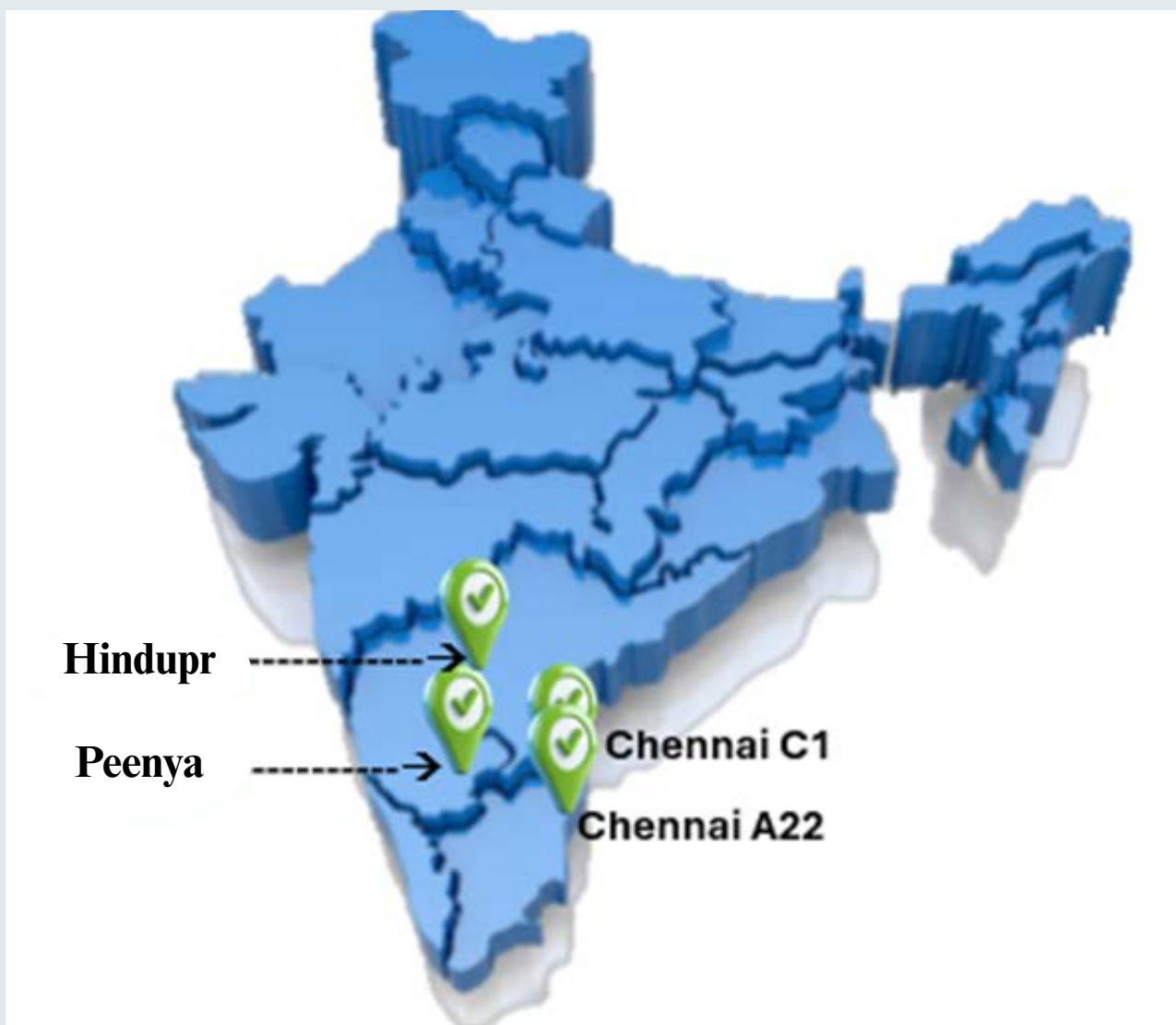
- **Enhancing Operational Efficiency:**

In addition to the environmental benefits, the shift to renewable energy enables long-term cost savings by reducing dependency on grid-based electricity, which is subject to price fluctuations. This not only supports the company's environmental commitments but also aligns with prudent financial management.

- **Promoting Long-term Sustainability:**

Renewable energy sources such as solar and wind are virtually inexhaustible. Their use supports a sustainable model of development that protects resources for future generations.

IV. Project Sites:



v. Power suppliers involved:

• Avaada:

~ Avaada Group is a leading renewable energy company with ~5 GW of operational capacity and targets 30 GW by 2030.

~ It has delivered numerous solar and wind projects across regions, backed by a skilled and experienced team.

~ The Group sets industry benchmarks in engineering, project management, and operations.

Notably, it commissioned the world's largest single-site solar plant (1.25 GW) in Bikaner, Rajasthan, and Supplies renewable energy to Peenya plant.

• Altilium:

~ Altilium is a team of seasoned professionals with 40+ years of experience in the Indian power sector, led by an NPTI alumnus.

~ Our vision is to deliver bespoke, cost-effective climate solutions to help corporates transition to green energy.

~ We offer tailored consulting across project management, regulatory advisory, and business development.

~ Committed to a future where the world runs entirely on renewable energy, and Supplies renewable energy to Peenya plant.

• Energyedge:

~ The Company aims to be India's most trusted integrated energy solutions provider with a mission to build a 1 GW+ asset base in five years.

~ It serves short to long-term power needs through both conventional and renewable sources.

~ A registered member of IEX, HPX, and PXIL, it trades actively across DAM, GDAM, TAM, GTAM, REC, and bilateral markets.

~ The Company ensures efficient, seamless power delivery tailored to evolving market demands.

~Supplies renewable energy to Peenya plant.

• Greennsure:

~ Greennsure Power Pvt. Ltd. is a clean energy solutions provider with a growing portfolio of over 400 MW, primarily in solar and wind power.

~ The company specializes in facilitating open access and group captive power solutions for commercial and industrial clients across India.

~ Known for its transparent processes, regulatory expertise, and zero-CAPEX green energy models, Greennsure ensures swift integration of renewable power

~ with minimal infrastructure disruptions. Supplies the renewable energy to Chennai plants and Peenya plant.



- **Sarojarajan Green Energy:**

~Sarojarajan Green Energy is based in Tamil Nadu and focuses on wind energy generation and supply.

~ The company supports industrial clients through long-term PPAs, enabling a steady and cost-effective supply of renewable electricity.

~ Its operational model emphasises regional generation with direct grid connectivity, offering a reliable, clean energy alternative in Southern India.

~ By contributing to Wipro's green energy sourcing in the region, the company helps lower scope 2 emissions while promoting the decarbonization of manufacturing processes.

~ Supplies renewable energy to Chennai plants

- **Medha Sreedhar:**

~ Medha Sreedhar Renewables (operating under the project name Sumo Solitaire) is engaged in the delivery of customized renewable energy solutions, particularly in hybrid configurations combining solar and wind.

~ With a focus on flexible delivery, the firm supports client-specific load balancing and ensures year-round power availability through hybrid systems.

~ Their partnership supports operational continuity, emissions reduction, and alignment with corporate ESG mandates across facilities like Wipro's Hindupur plant.

3. RESEARCH METHODOLOGY



To evaluate the impact of the Renewable Energy CSR initiative undertaken by the Company for the financial year 2023–24, a structured and triangulated research methodology was adopted. The initiative, with a total CSR expenditure of ₹44.31 million, was implemented across four manufacturing facilities: Peenya, Hindupur, Chennai C1, and Chennai A22 through Power Purchase Agreements (PPAs) with six third-party renewable energy providers: Avaada, Altilium, Sarojarajan Green Energy, Meda Sreedhar, Greennsure, and Energy Edge.

The methodology was designed to be aligned with Wipro Enterprises' sustainability roadmap, focusing on measuring progress towards renewable energy goals, reduction in carbon emissions, and contributions to community development. Additionally, the approach emphasized consistency with Schedule VII of the Companies Act and the UN Sustainable Development Goals (SDGs), particularly Goal 7 (Affordable and Clean Energy) and Goal 13 (Climate Action).

A. STRUCTURED QUESTIONNAIRE

A detailed questionnaire was circulated among internal project officers and CSR leads to capture both qualitative insights and quantitative impact measures. The questions were designed to understand the rationale, implementation strategy, and outcomes of the renewable energy initiative.

Both quantitative indicators (units of renewable energy consumed, carbon emissions reduced, and cost per unit) and qualitative inputs (implementation challenges and stakeholder perception) were used to assess the project's impact holistically.

The key questions included are as follows:

1. How is the project being implemented across different Wipro Enterprises plant locations?

The renewable energy project is implemented through strategic engagement with third-party suppliers under long-term Power Purchase Agreements (PPAs). The company has opted not to set up internal generation infrastructure due to space and feasibility constraints. For each of the four locations—Peenya, Hindupur, Chennai Plant 1, and Chennai Plant 2—Wipro has partnered with specialized green energy providers supplying wind and/or solar energy. At Peenya and Hindupur, power is procured through open access arrangements. In Chennai Plant 1 and Plant 2, the company identified wind energy generators and executed PPAs, effectively transitioning towards a greener energy mix without bearing installation and maintenance overheads.

2. What is the rationale behind selecting this renewable energy project?

This project aligns with Wipro Enterprises' broader sustainability strategy to reduce its carbon footprint and support India's renewable energy mission. The project is driven by a dual objective: (i) ensuring cost-effective energy procurement and (ii) contributing positively to environmental preservation through clean energy consumption.

3. What is the financial impact of the project, including cost savings?

The project has proven economically viable. At Peenya, the company realized annual savings of INR 12.6 million in FY 2023–24. At Chennai C1 and A22, annual savings of around INR 1 million were recorded at each plant, driven by favourable unit rate differentials between green and conventional energy sources

4. What is the difference in unit costs between renewable and non-renewable energy sources?

There has been a consistent reduction in per-unit energy costs with renewable sourcing. At Peenya, the cost dropped from INR 9.8 to INR 7.6 per unit. Hindupur reported green energy costs at INR 5.1 per unit compared to INR 5.91 for conventional power. Chennai plants noted unit costs of INR 7.45 for wind energy versus INR 8.2 for grid electricity, underscoring the cost-effectiveness of green energy.

5. Why has the company opted for PPAs over internal installations or community-facing projects?

Due to operational, spatial, and investment constraints at manufacturing sites, internal renewable installations were not viable. The PPA route allowed Wipro to swiftly transition to renewable energy with minimal capital investment, operational burden, or regulatory complexities. Additionally, the approach ensures power supply consistency and quality through professionally managed third-party infrastructure.

6. What environmental benefits has the project achieved, and how is the impact being monitored?

The shift from fossil fuel-based energy to renewable sources has significantly lowered carbon emissions at all locations. Emission reductions are tracked monthly based on electricity consumption and calculated using standardized emission factors. For instance, at the Peenya plant, CO₂ emissions decreased from 169.31 tCO₂ eq in FY22-23 to 56.14 tCO₂ eq in FY23-24. Similar reductions are being observed across the other plants. Additionally, usage of green energy indirectly benefits local flora and fauna by improving ambient air quality.

7. How is the project contributing to the local community?

Although indirect, the environmental benefits extend to surrounding communities through improved air quality and lower pollution levels. At Hindupur, the green power plant has also provided employment opportunities in solar infrastructure operations. The company's commitment to environmental responsibility contributes to the broader goal of ecological well-being and sustainable industrial development.

8. What specific improvements were made to the renewable energy project in FY 2023–24?

At the Peenya plant, a new wind energy partner was onboarded in Q3 FY 2023–24, leading to increased renewable energy consumption. In Chennai Plant 1 and Plant 2, the full execution of wind-based PPAs took place in May 2023, boosting the volume of green energy usage. These developments reflect Wipro's proactive approach to expanding and optimizing green energy adoption.

9. What outcomes were achieved from these improvements?

The plants recorded substantial increases in renewable energy consumption and corresponding reductions in CO₂ emissions. For instance, Chennai Plant achieved wind energy production of 3 million units in FY 2023–24. Peenya saw a 66% reduction in emissions over the past year. These outcomes validate the effectiveness of enhancements made during the assessment period.



10. What is the long-term sustainability outlook of this project?

The long-term sustainability of the renewable energy project is grounded in a strategic shift toward hybrid power solutions, which combine both solar and wind energy. The company has outlined a clear roadmap to increase its green energy share from the current 47% to a targeted 80% in the coming years, ensuring a substantial reduction in carbon emissions and reducing dependency on non-renewable sources.

To support this transition, the following measures are actively being pursued:

- Power Purchase Agreements (PPAs) have been executed with reliable third-party suppliers across all four plant locations, securing a stable and long-term supply of renewable energy without the need for internal installations.
- Emission tracking systems are in place, with monthly monitoring of CO₂ levels. These allow the company to measure the direct environmental benefits of green energy usage and inform further sustainability strategies.
- Financial viability is ensured, with significant cost savings achieved through lower tariffs for green energy. For instance, in Peenya, unit costs have dropped from ₹9.8 to ₹7.6 per kWh.
- Community impact is also a key component, with local job creation in renewable energy facilities and indirect benefits to biodiversity and the surrounding ecosystems

B.INTERNAL CONSULTATIONS AND FUNCTIONAL COORDINATION

The project's execution was supported by regular internal alignment across operations, procurement, sustainability, and finance teams. These cross-functional exchanges enabled facility-specific planning, selection of optimal sourcing mechanisms, and budgeting for each plant location.

Insights were validated through internal project documentation, monthly energy consumption data, and CO₂ emission tracking sheets shared by the company for each plant.

Approval processes, energy modelling, and infrastructural feasibility were reviewed internally to ensure that sustainability, regulatory, and financial considerations were met without operational disruption.

C. PLANT-WISE COMPARATIVE ANALYSIS

Responses from all four plant locations were analysed to identify variations in execution efficiency, emission reduction outcomes, and energy cost optimization. This comparative approach allowed for the extraction of best practices and operational learning that could inform scale-up strategies in future phases.

D. TRIANGULATED VALIDATION AND MONITORING

Data points obtained through questionnaires were cross verified using internal dashboards, utility bills, and third-party PPA documents. Monthly tracking of CO₂ emissions serves as a key operational KPI, providing real-time insight into the environmental impact and supporting adaptive decision-making

4. MODE OF IMPLEMENTATION



The company has implemented its renewable energy initiative through a strategic blend of third-party partnerships, regional customization, and operational oversight. These modes of implementation have been carefully selected to ensure efficiency, environmental impact, and long-term sustainability across the company's manufacturing units.

1. Power Purchase Agreements (PPAs) with Renewable Energy Providers

The company has established long-term structured PPAs with certified renewable energy providers such as Avaada, Altilium, Saroja, Medha Sreedhar, and EnergyEdge. These agreements allow the direct procurement of solar and wind energy tailored to each plant's requirements. Power is sourced via open access mechanisms, enabling a reliable green energy supply for up to 10 years. This model eliminates the need for in-house energy infrastructure while ensuring operational continuity and environmental compliance.

By engaging multiple certified developers, the company has effectively mitigated supply risks and maintained cost stability across its operational sites.

2. Open Access Procurement at Select Locations

At the Peenya and Hindupur plants, renewable power is sourced through open access mechanisms. This model provides the flexibility to procure electricity directly from renewable energy generators, offering both cost-effectiveness and alignment with state energy regulations.

The hybrid sourcing model combining wind and solar also supports seasonal flexibility and enables dynamic optimization of energy mix throughout the year.

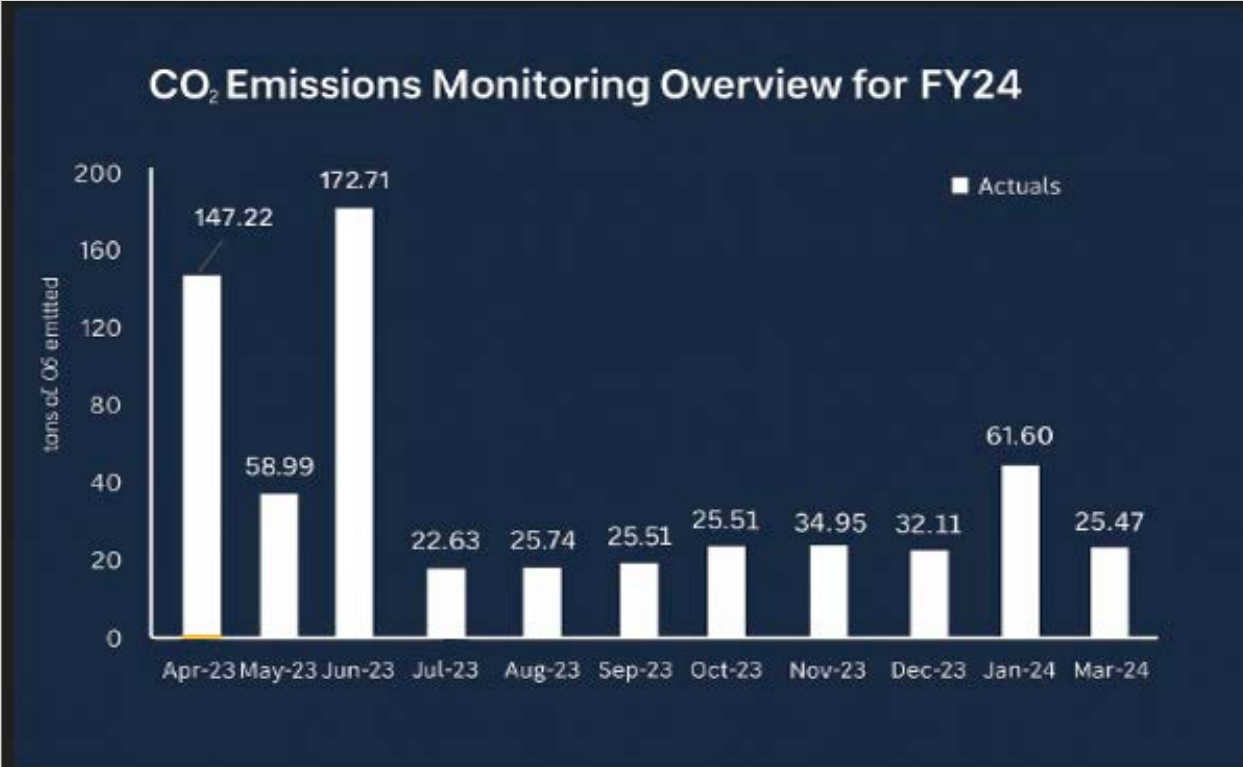
3. Engagement with Local Vendors

To support on-ground implementation, the company has collaborated with multiple local vendors, particularly around the Peenya region. These partnerships facilitate localized operational support, create indirect economic benefits, and reinforce the project's contribution to sustainable community development.

4. Continuous Monitoring and Impact Evaluation

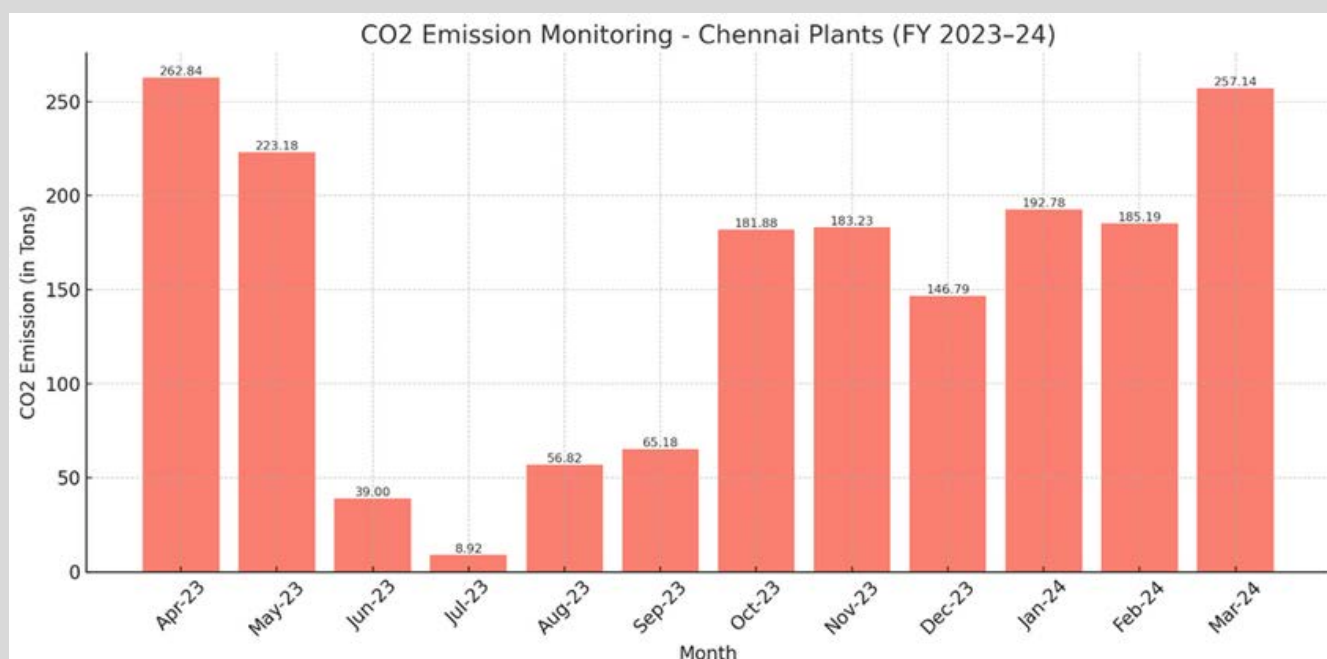
Environmental and operational metrics are tracked rigorously on a monthly basis. Carbon emissions are monitored to evaluate the reduction achieved through green energy consumption, supporting transparency and accountability. This data-driven approach allows for timely interventions and continuous improvement of the project’s performance.

CO₂ emissions serve as an operational Key Performance Indicator (KPI) for each plant, enabling adaptive management and aligning day-to-day performance with long-term sustainability targets.



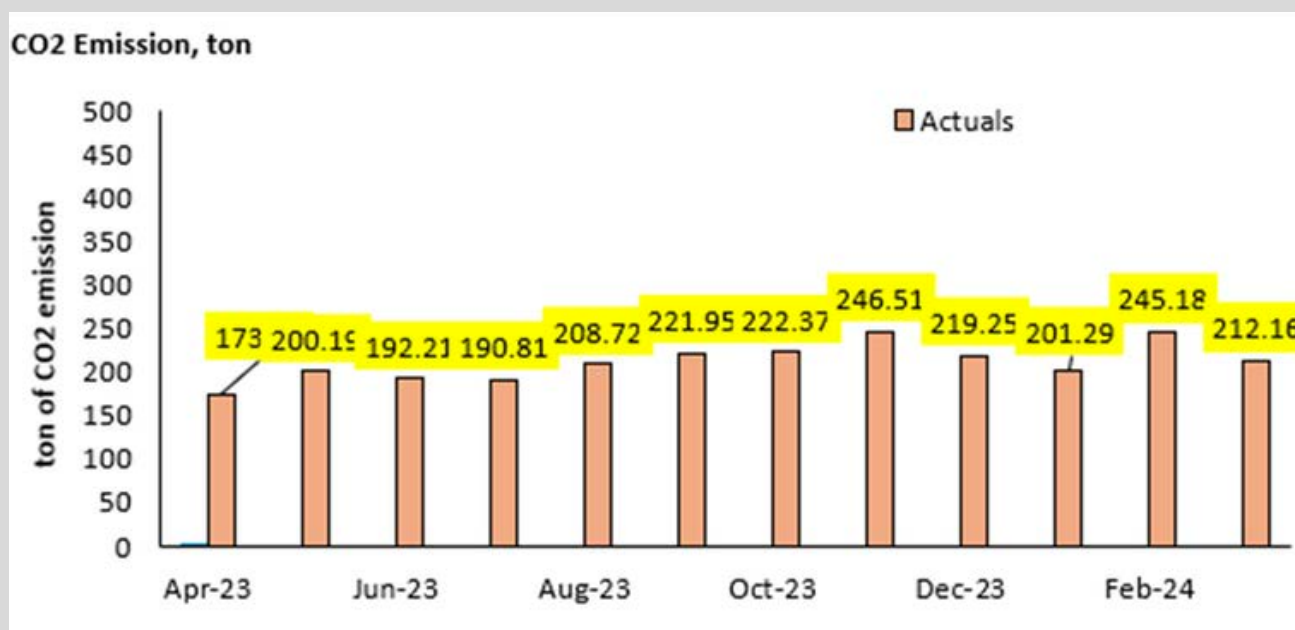
The above chart is of Peenya Plant presents the monthly carbon dioxide emissions from April 2023 to March 2024. A clear reduction is observed after June 2023, with peak emissions of 172.71 tons in June 2023 tapering to a more stable average of 25–35 tons in subsequent months. This trend signifies the positive environmental impact of the company's transition to renewable energy

Chart 2: CO₂ emissions Monitoring of Chennai Plant



The above chart is of Chennai Plant presents the monthly carbon dioxide emissions from April 2023 to March 2024.

Chart 3: CO₂ emissions Monitoring of Hindupur Plant



The above chart is of Hindupur Plant presents the monthly carbon dioxide emissions from April 2023 to March 2024.

5. Operational and Technical Oversight

Routine technical reviews and infrastructure assessments are carried out to ensure seamless energy integration at each plant. Internal teams oversee supply schedules, energy load distribution, and issue resolution to minimize downtime and secure long-term reliability of the renewable energy sources.

6. Scalable Hybrid Energy Model for Future Expansion

The project includes a forward-looking approach to hybrid energy adoption. The company is actively increasing its mix of solar and wind energy sources to improve energy resilience. For instance, the Chennai plant has committed to increasing its green energy share from 47% to 80%, signalling a strong roadmap toward net-zero aspirations.

This decentralized, third party-led implementation model is replicable and scalable across other geographies, supporting the company's vision for enterprise-wide sustainability.



5. SUSTAINABILITY AND LONG-TERM OUTLOOK



The Company has embedded sustainability at the core of its operations, steering a clear transition toward a greener and more resilient future. A strategic shift is underway to adopt hybrid renewable energy solutions, integrating both solar and wind power, which are expected to contribute to over 80% of the total power mix in the coming years. This will significantly reduce carbon emissions and dependence on non-renewable sources.

To support this transition, the Company has implemented the following key initiatives:

- Power Purchase Agreements (PPAs) have been executed with reliable third-party suppliers, ensuring uninterrupted access to renewable energy without requiring internal installations.
- Emission tracking systems are in place, with monthly monitoring of CO₂ emissions, enabling data-driven improvements and accountability.
- Financial viability is maintained through cost-effective renewable procurement, with green energy priced lower than conventional sources. Several locations have reported a return on investment (ROI) within months of switching to renewables.
- Community engagement is enhanced through direct and indirect employment opportunities, especially around renewable energy facilities, supporting local economies and ecosystems.

The widespread availability of affordable solar power fuelled by a 35-fold increase in global production capacity and a four-fold reduction in costs over the past decade, has been a key enabler of this progress. Looking ahead, achieving Net Zero GHG emissions by 2040 will require similar systemic advancements in carbon-intensive sectors such as electric mobility, low-carbon aviation, cement, and steel. The Company remains committed to driving innovation and collaboration across these domains.

All operating plants have also confirmed that hybrid power adoption will further boost green energy consumption, reinforcing the Company's long-term climate action goals and sustainability leadership

Alignment with BRSR Principles and Leadership Indicators

INITIATIVE/ ACTION	BRSR PRINCIPLE / LEADERSHIP INDICATOR	COMMENT
Shift to hybrid solar and wind power	Principle 6: Environmental stewardship – supported by Leadership Indicator 6.2.2 (Targets for renewable energy)	Demonstrates climate strategy and renewable transition
Execution of third-party Power Purchase Agreements (PPAs) for renewable energy	Leadership Indicator 6.2.3 (Efforts to increase clean energy use)	Enables clean energy without capital-intensive investments
Monthly tracking of CO ₂ emissions through automated systems	Leadership Indicator 6.3.2 (Monitoring of Scope 1, 2, and 3 emissions)	Essential for GHG accounting and climate risk management
Early investments in renewable infrastructure and sustainable building design	Principle 6 and Indicator 6.2.3	Reflects internal commitment to environmental protection and efficiency
Anticipation of GenAI's energy intensity and proactive energy planning	Leadership Indicator 6.2.4 (Adoption of sustainable technology strategies)	Positions the company as future-ready and sustainable

6. FINDINGS



The CSR initiative undertaken by Wipro Enterprises to transition towards renewable energy has yielded significant environmental and operational outcomes during FY2023–24. These results, particularly evident across the Peenya, Hindupur, Chennai C1 and Chennai A22 plants, are supported by a triangulated analysis of renewable energy usage data, monthly CO₂ emission reports, and plant-level operational records.

1. Substantial increase in renewable energy penetration

The share of renewable energy in total energy consumption rose from 47% in FY22 to 60% in FY23 and further to 76% in FY24, indicating a robust upward trajectory in green energy integration. This 29% increase over two years reflects the success of the company's open access and PPA-based procurement strategies.

2. Consistent reduction in carbon emissions

Monthly CO₂ emissions have been systematically tracked throughout the year. A review of the emission monitoring chart reveals:

- Electricity-related CO₂ emissions remained consistently low due to a high reliance on wind and solar energy.
- Diesel-based emissions (from DG sets and forklifts) were minimised, with monthly totals showing a downward trend from April 2023 to March 2024.
- CO₂ emissions from LPG usage were eliminated, while PNG emissions were reduced steadily across the year.

Notably, the monthly CO₂ emissions per manufactured quantity consistently met or exceeded the 3 kg/cylinder target, especially from September 2023 onwards.

3. Effective tracking and reporting mechanism

The company has adopted a data-driven approach to performance evaluation, with:

- Clear monthly tracking of power source mix (solar, wind, BESCOM),
- Detailed calculation of emissions across energy types using defined emission factors, and
- Visual dashboards that benchmark actual vs. target emissions.

This structured monitoring enables mid-course corrections and supports transparency in environmental governance.

4. Hybrid energy model yielding operational flexibility

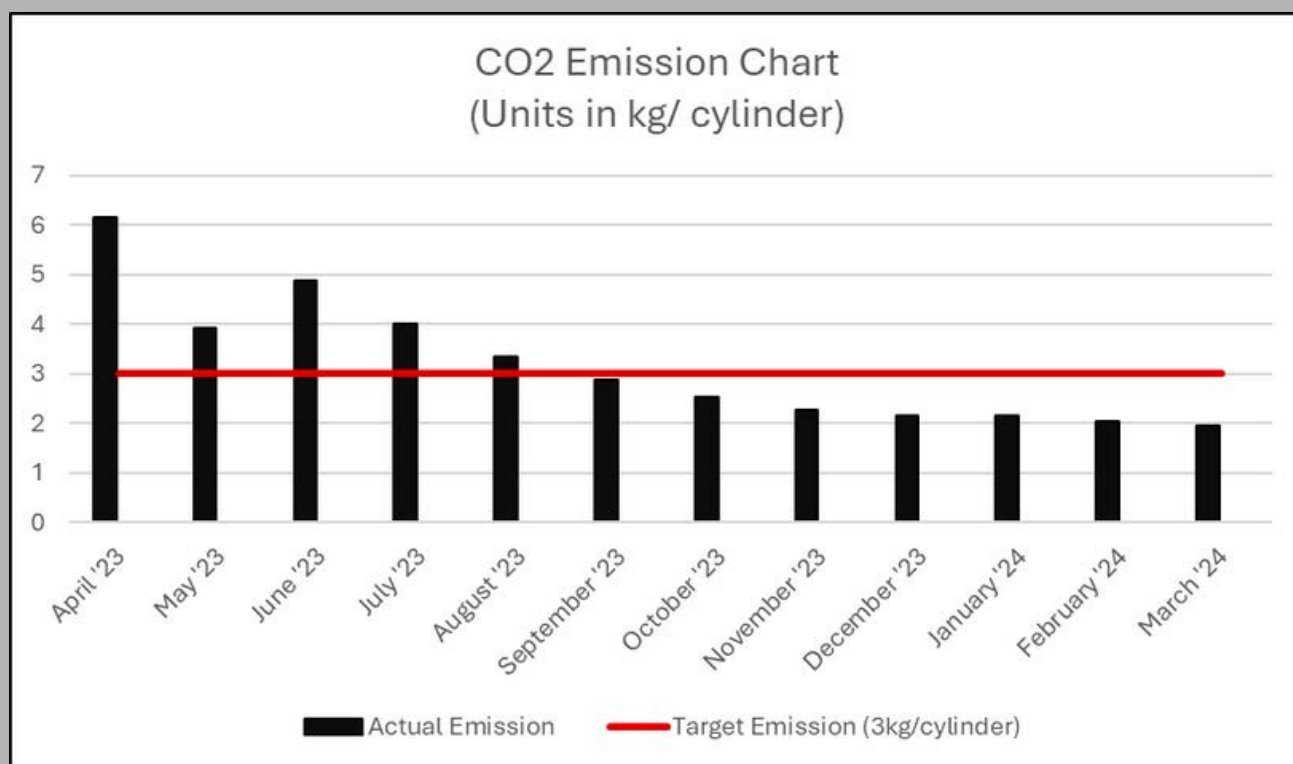
The dual sourcing of both solar and wind energy (e.g., 250,000+ kWh/month for solar and 280,000+ kWh/month for wind in Mar-24) provides seasonal adaptability and ensures a stable energy supply across varying climatic conditions, enhancing production continuity.

5. Cost Optimization through Strategic Sourcing

Reduced reliance on BESCOM and diesel has brought about cost rationalization and hedging against fossil fuel price fluctuations. The Open Access model provides not just cleaner energy but also long-term economic efficiency and regulatory flexibility.

6. Replicability and Enterprise-wide Scalability

The decentralized implementation, led by plant-level energy coordinators, showcases a scalable model that can be extended to other units or geographies. The operational maturity, real-time data discipline, and stakeholder coordination mechanisms position the model as a replicable CSR intervention aligned with enterprise-wide sustainability goals.



The above chart shows the Actual emissions and target emissions of CO2. It can be observed that the trend in emissions have come down constantly and in the last 6 months it is consistently below the target emissions.

MATERIALITY ASSESSMENT TABLE: RENEWABLE ENERGY CSR INITIATIVE FY 2023–24

Materiality Dimension	Key Aspects Evaluated	Insights from Wipro's Renewable Energy Project
1. Impact Materiality	Environmental Impact - Emission reduction - Reduction in fossil fuel dependency	- CO₂ emissions from LPG eliminated; PNG emissions reduced. 76% of energy now from renewables (wind + solar), up from 47% in FY22. - Diesel and grid dependency minimized.
	Community and Ecosystem Impact - Access to clean energy - Land and biodiversity considerations	- Implementation through offsite third-party PPAs avoided major land-use disruptions. - Clean energy adoption aligned with SDG 7 and 13 goals.
	Sustainability Governance Emission tracking and transparency	- Monthly CO₂ emission monitoring integrated into plant KPIs. - Dashboards used for internal review and adaptive management.
2. Financial Materiality	Regulatory & Policy Alignment - Risk of non-compliance - Incentives for renewable sourcing	- Use of certified renewable energy partners (e.g., Avaada, Altilium). - Aligned with India's renewable energy targets and CSR Schedule VII.
	Operational Efficiency - Cost savings - Resource security	- Hybrid model ensures seasonal stability (wind + solar). - Reduced diesel/BESCOM use = lower volatility and cost savings over time.
	Business Continuity & Risk Mitigation - Vendor diversification - Scalability of the model	- Multiple third-party developers engaged, reducing single-point failure. - Model shows scalability across Wipro's plant network.
	Market & Reputation Impact - Stakeholder trust - ESG ratings and perception	Transparent tracking and structured implementation strengthen ESG credentials and long-term stakeholder confidence.

7. RECOMMENDATIONS



To enhance the social and environmental outcomes of its renewable energy initiatives, the Company can adopt a holistic strategy that integrates clean energy deployment, community development, and climate responsibility. The following recommendations are aimed at strengthening grassroots impact, supporting long-term sustainability, and aligning efforts with broader national and global development goals.

1. Extend renewable energy access to public institutions

The Company may consider directly supplying a portion of its renewable energy to underserved institutions like government schools, public health centres, or rural clinics in nearby regions (e.g., Tumkur). This would enhance energy access in social infrastructure while demonstrating on-ground CSR impact.

2. Develop community-scale solar microgrids

To maximize community benefit, the Company can explore setting up small-scale solar microgrids in backward or semi-urban locations. This can support lighting, education, and livelihood-related activities in areas facing inconsistent grid access.

3. Implement a community-based energy awareness program

Alongside technical deployment, the Company can run grassroots awareness initiatives like workshops, exhibitions, or school-level campaigns on energy conservation, climate change, and the benefits of renewables, using simple, relatable content in regional languages.

4. Build a robust carbon tracking and disclosure system

Given the scale of operations and third-party PPAs, introduce a centralised carbon monitoring framework across all plant locations (Peenya, Hindupur, Chennai C1 and A22, etc.) supported by third-party verification and aligned with GHG Protocols or ISO 14064 standards.

5. Create local employment and green skilling opportunities

The renewable energy project can be leveraged to generate local jobs such as maintenance, technician training, or solar panel installation. Partnering with skill development agencies or ITIs (Industrial Training Institutes) may enable long-term community engagement.

8. CONCLUSION:

The dedication of Wipro Enterprises towards corporate social responsibility (CSR) continues to be exemplary. For the financial year 2023–24, the company has earmarked ₹164.79 million towards its CSR obligations, of which a significant ₹44.31 million has been allocated for its renewable energy project, triggering the requirement for an impact assessment. This allocation reflects Wipro's sustained commitment to integrating environmental sustainability into its core business operations.

By investing in renewable energy projects such as solar and wind power through third-party PPAs, Wipro Enterprises is not only minimizing its carbon footprint but also demonstrating climate leadership. The initiative goes beyond compliance, inspiring industry peers and contributing to India's broader decarbonization goals. Moreover, these efforts positively impact environmental awareness within communities and set the stage for potential future integrations such as digital education on renewables or energy-efficiency drives at the grassroots level.

In conclusion, the company continued CSR investment in renewable energy highlights its proactive and responsible business approach. The company's strategic and quantifiable steps toward sustainability not only fulfill regulatory mandates but also contribute meaningfully to global climate action, setting a benchmark for industry-wide CSR-led environmental transformation.

For V Sreedharan & Associates
Company Secretaries

Sd/-

(Pradeep B. Kulkarni)
Partner
FCS 7260; CP No. 7835
August 07, 2025

