7 AFFORDABLE AND CLEAN ENERGY

masters' union university

MASTERS' UNION | ANNUAL IMPACT REPORT 2025

affordable and *clean energy*

Ensure access to affordable, reliable, sustainable and modern energy for all.



SDG 7 IMPACT REPORT

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01 Introduction

1.1 Understanding SDG 7: Affordable and Clean Energy

Sustainable Development Goal 7 seeks to ensure access to affordable, reliable, sustainable and modern energy. The transition needs more than new renewable generation. It depends on energy efficiency, resilient grids, storage, climate finance, cleaner mobility, responsible business models and people who can turn technology and policy into commercially viable decisions.

For a business school, this creates a direct educational and institutional responsibility. Energy decisions shape operating costs, infrastructure investment, supply chains, climate risk and long-term competitiveness. Business leaders therefore need to understand how renewable energy, efficiency, financing and decarbonisation interact with strategy and execution.

1.2 Masters' Union's Contribution to SDG 7

Masters' Union contributes to SDG 7 through applied research, energy-conscious campus infrastructure, industry engagement, clean-energy entrepreneurship and teaching that treats the energy transition as a business and investment challenge. The institution operates from certified green commercial environments in Gurugram, while its academic model exposes students to renewable-energy economics, carbon markets, climate finance, climate technology, energy-transition infrastructure and low-carbon business models.

The contribution is most visible where these areas connect. Student-led investment research examines India's renewable-energy landscape. The Sustainability and Business Management curriculum builds the financial and strategic tools needed to work in the transition. PGP Immersions gives students direct exposure to utility-scale renewable infrastructure at Khavda. Practitioner platforms connect learners with climate investors, founders and sustainability leaders working on decarbonisation.

1.3 Contribution at a Glance

AREA	DOCUMENTED CONTRIBUTION
Applied research	Masters' Union Investment Fund research examines India's renewable-energy transition, grid and storage readiness, renewable EPC growth, climate finance and company-level business models.
DLF Cyber Park	LEED O+M Existing Buildings v4.1 Platinum (92/100); Energy & Atmosphere 32/35. GRIHA documentation records a 40.40% reduction in EPI against the base case and a 550 kWp on-site solar photovoltaic system.
CDS Corporate Tower	LEED BD+C: Core and Shell v4.1 Gold (62/110); Energy & Atmosphere 18/33, including optimized energy performance, enhanced commissioning and advanced energy metering.
Clean-energy curriculum	Renewable Business Models, Carbon Markets & Trading, Introduction to Climate Finance and Climate Tech Ecosystem form part of the Sustainability and Business Management curriculum.
Experiential learning	PGP Immersions includes an immersion at Khavda Renewable Energy Park in Kutch, connecting project economics, grid integration, infrastructure and investment.
Industry, enterprise and careers	Students engage with climate investors and clean-energy practitioners; Smarto Cabs shows electric-mobility entrepreneurship; alumni work across renewable energy, storage, smart grids, solar and electric mobility.

02 Research

Research under SDG 7 examines how energy systems change, how capital moves into low-carbon infrastructure and how businesses respond to shifts in technology, policy and market economics. Masters' Union approaches this primarily through applied investment and sector research that connects energy-transition questions with business analysis.

2.1 Applied Research on India's Energy Transition

The Masters' Union Investment Fund has developed a detailed research perspective on India's renewable-energy sector. The work looks at the growth of solar, wind and other non-fossil capacity alongside the continuing role of coal, and at the practical limits that decide whether renewable capacity can lead to a lasting energy transition.

Faculty operations research adds a technical view of the same challenge. It examines how battery storage can help renewable-energy generators balance variable supply with electricity demand, bringing together battery capacity, system costs and operating decisions when generation and consumption occur at different times. Related work has also looked at how renewable-energy storage affects conventional generation, which helps explain how electricity systems operate as renewable capacity grows.

The analysis goes beyond capacity targets to examine grid integration, energy storage, transmission investment, climate finance, domestic manufacturing and policy design. It also considers the commercial tension between rapid renewable deployment and the reliability requirements of a fast-growing electricity system. This makes the work relevant to SDG 7 not only as energy research, but as applied analysis of affordability, reliability and scalability.

2.2 Clean-Energy Investment and Company Analysis

The same research platform connects macro-level transition themes with company-level analysis. Sector work on the renewable EPC ecosystem comes with deep-dives into businesses such as Advait Energy Transitions and KPI Green Energy. Students evaluate project pipelines, hybrid renewable models, storage technologies, financing structures and execution risk.

RESEARCH THEME	QUESTIONS EXAMINED
Renewable capacity and policy	How national targets, incentives, manufacturing policy and project pipelines are reshaping the energy market.
Grid and storage readiness	How transmission, battery storage and system flexibility affect the ability of renewables to meet demand reliably.
Climate finance	How green capital, blended finance and institutional investment can support low-carbon infrastructure.
Renewable EPC and project economics	How engineering, procurement, construction and operating models create value across solar, wind and hybrid projects.
Company deep-dives	How clean-energy companies scale capacity, manage capital intensity, diversify projects and respond to policy and technology shifts.

03 Stewardship

Stewardship under SDG 7 concerns how the institution manages energy demand and the energy performance of the environments in which students and employees learn and work. Masters' Union operates across certified green commercial buildings in Gurugram and benefits from building systems designed around energy efficiency, monitoring and lower-impact infrastructure.

3.1 Energy-Conscious Campus Infrastructure

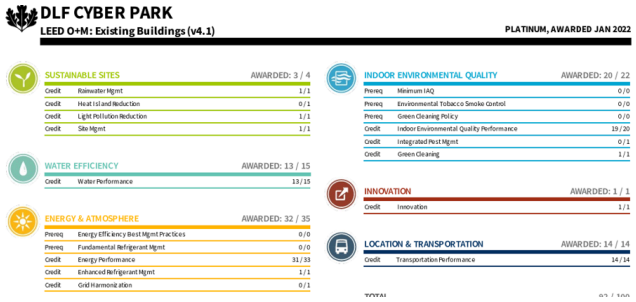
Masters' Union currently operates from DLF Cyber Park and CDS Corporate Tower. Because these are leased commercial facilities, the building-performance achievements are attributed to the respective developments. Masters' Union operates within and benefits from their energy-efficient systems, monitoring infrastructure and green-building standards, giving the institution a strong operational base for energy-conscious campus activity.

FACILITY	CERTIFICATION / ENERGY EVIDENCE
DLF Cyber Park	LEED O+M Existing Buildings v4.1 Platinum, 92/100; Energy & Atmosphere 32/35. GRIHA 4-Star case study documents 40.40% EPI reduction from the base case and 550 kWp on-site solar PV.
CDS Corporate Tower	LEED BD+C: Core and Shell v4.1 Gold, 62/110; Energy & Atmosphere 18/33, with credits for optimized energy performance, enhanced commissioning, advanced metering and refrigerant management.

3.2 DLF Cyber Park: LEED Platinum and Energy Performance

DLF Cyber Park provides the strongest quantified energy-performance evidence in the existing campus portfolio. Its LEED O+M scorecard records Platinum certification with an overall score of 92/100 and 32/35 under Energy & Atmosphere. The separate GRIHA case study documents a 40.40% reduction in Energy Performance Index against the GRIHA base case through high-performance systems.

The same case study records a 550 kWp solar photovoltaic system installed on site and notes that 57% of regularly occupied spaces meet prescribed daylight requirements. These features combine efficient building operation with on-site renewable generation and reduced dependence on artificial lighting.



DLF CYBER PARK
LEED O+M: Existing Buildings (v4.1) — **PLATINUM, AWARDED JAN 2022**

SUSTAINABLE SITES	AWARDED: 3 / 4
Credit Rainwater Mgmt	1 / 1
Credit Heat Island Reduction	0 / 1
Credit Light Pollution Reduction	1 / 1
Credit Site Mgmt	1 / 1

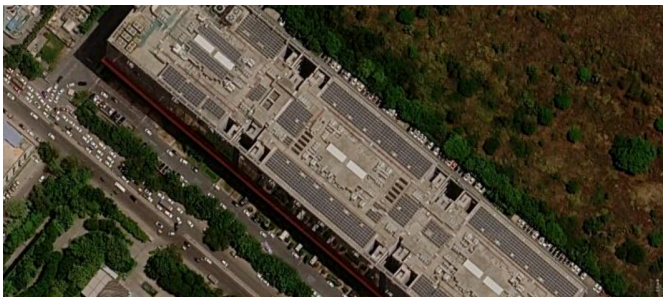
WATER EFFICIENCY	AWARDED: 13 / 15
Credit Water Performance	13 / 15

ENERGY & ATMOSPHERE	AWARDED: 32 / 35
Prereq Energy Efficiency Best Mgmt Practices	0 / 0
Prereq Fundamental Refrigerant Mgmt	0 / 0
Credit Energy Performance	31 / 33
Credit Enhanced Refrigerant Mgmt	1 / 1
Credit Grid Harmonization	0 / 1

INDOOR ENVIRONMENTAL QUALITY	AWARDED: 20 / 22
Prereq Minimum IAQ	0 / 0
Prereq Environmental Tobacco Smoke Control	0 / 0
Prereq Green Cleaning Policy	0 / 0
Credit Indoor Environmental Quality Performance	19 / 20
Credit Integrated Pest Mgmt	0 / 1
Credit Green Cleaning	1 / 1

INNOVATION	AWARDED: 1 / 1
Credit Innovation	1 / 1

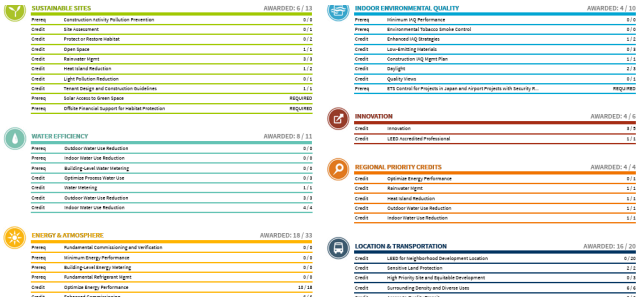
LOCATION & TRANSPORTATION	AWARDED: 14 / 14
Credit Transportation Performance	14 / 14



3.3 CDS Corporate Tower: LEED Gold and Energy Performance

CDS Corporate Tower provides a second independently certified operating environment for Masters' Union. Its LEED BD+C: Core and Shell v4.1 scorecard records Gold certification with 62/110 points and 18/33 points under Energy & Atmosphere.

Within the energy category, the scorecard recognises optimized energy performance, enhanced commissioning and advanced energy metering. These measures matter because they combine design efficiency with systems for monitoring and maintaining performance over time, rather than treating energy efficiency as a one-time construction feature.



SUSTAINABLE SITES	AWARDED: 6 / 13
Prereq Construction Activity Pollution Prevention	0 / 0
Credit Site Assessment	0 / 1
Credit Protect or Restore Habitat	0 / 2
Credit Open Space	1 / 1
Credit Rainwater Mgmt	3 / 3
Credit Heat Island Reduction	1 / 2
Credit Light Pollution Reduction	0 / 1
Credit Tenant Design and Construction Guidelines	1 / 1
Prereq Solar Access to Green Space	REQUIRED
Prereq Offsite Financial Support for Habitat Protection	REQUIRED

WATER EFFICIENCY	AWARDED: 8 / 11
Prereq Outdoor Water Use Reduction	0 / 0
Prereq Indoor Water Use Reduction	0 / 0
Prereq Building-Level Water Metering	0 / 0
Credit Optimize Process Water Use	0 / 3
Credit Water Metering	1 / 1
Credit Outdoor Water Use Reduction	3 / 3
Credit Indoor Water Use Reduction	4 / 4

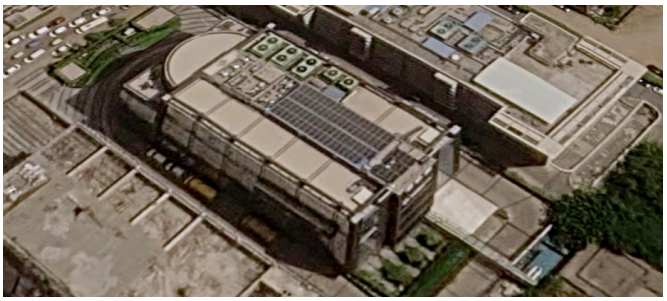
ENERGY & ATMOSPHERE	AWARDED: 18 / 33
Prereq Fundamental Commissioning and Verification	0 / 0
Prereq Minimum Energy Performance	0 / 0
Prereq Building-Level Energy Metering	0 / 0
Prereq Fundamental Refrigerant Mgmt	0 / 0
Credit Optimize Energy Performance	18 / 18

INDOOR ENVIRONMENTAL QUALITY	AWARDED: 4 / 10
Prereq Minimum IAQ Performance	0 / 0
Prereq Environmental Tobacco Smoke Control	0 / 0
Credit Enhanced IAQ Strategies	1 / 2
Credit Low-Emitting Materials	0 / 3
Credit Construction IAQ Mgmt Plan	1 / 1
Credit Daylight	2 / 3
Credit Quality Views	0 / 1
Prereq ETS Control for Projects in Japan and Airport Projects with Security R...	REQUIRED

INNOVATION	AWARDED: 4 / 6
Credit Innovation	3 / 5
Credit LEED Accredited Professional	1 / 1

REGIONAL PRIORITY CREDITS	AWARDED: 4 / 4
Credit Optimize Energy Performance	1 / 1
Credit Rainwater Mgmt	1 / 1
Credit Heat Island Reduction	1 / 1
Credit Outdoor Water Use Reduction	1 / 1
Credit Indoor Water Use Reduction	1 / 1

LOCATION & TRANSPORTATION	AWARDED: 16 / 20
Credit LEED for Neighborhood Development Location	6 / 20
Credit Sensitive Land Protection	2 / 2
Credit High Priority Site and Equitable Development	0 / 3
Credit Surrounding Density and Diverse Uses	6 / 6



3.4 Everyday Energy Efficiency and Conservation

Building-level performance is reinforced through day-to-day conservation measures within the spaces used by Masters' Union. Energy-efficient LED lighting, star-rated appliances and routine maintenance of air-conditioning systems support lower electricity demand, while awareness signage near switchboards encourages students and employees to switch off equipment when it is not in use. Electric-vehicle charging infrastructure in the surrounding business district also supports lower-emission travel to and from the campus.

The campus environment also supports lower-carbon mobility through shared transport and electric-vehicle infrastructure within the wider business district. These measures are smaller in scale than the building certifications, but they help translate energy efficiency from an infrastructure feature into an everyday operating practice.

04 Outreach

Outreach under SDG 7 extends clean-energy learning beyond the formal curriculum by connecting students and institutional leaders with investors, founders, industry bodies and public forums working on decarbonisation. Masters' Union uses these platforms to expose learners to the commercial, technological and policy dimensions of the transition.

4.1 Industry and Policy Engagement

Through its institutional association with ASSOCHAM, Masters' Union participates in industry discussions on sustainability, resource efficiency and environmental governance. The Joint Council Meeting on Sustainability & Environment and Water brought together corporate leaders, practitioners and policy stakeholders. It gave institutional representatives a view of how energy efficiency and resource management are entering business strategy.

This engagement is most relevant to SDG 7 where it sharpens understanding of how companies improve energy performance, incorporate sustainability metrics into operating decisions and respond to evolving expectations around decarbonisation and resource efficiency.

4.2 Public Thought Leadership on Clean Energy and Climate Tech

Masters' Union regularly brings practitioners working directly on climate technology, energy transition and emissions management into conversation with students. These sessions are valuable because they move the energy transition from policy language into questions of capital allocation, technology adoption, measurement and business-model design.

SESSION	SDG 7 FOCUS
Ruchira Shukla, Founder & CEO, Green Marble VC	Climate-tech investing, energy transition, AI-enabled sustainability and India's emerging climate-tech ecosystem.
Tanya Singhal, Founder, Mynzo Carbon	Renewable energy, carbon-footprint measurement, technology and the roles of business and policy in climate action.
Vivek Mehra, Co-Founder & CSO, Onlygood	Carbon emissions management, Scope 3, AI/IoT-enabled sustainability solutions and climate-tech innovation.

SESSION	SDG 7 FOCUS
Jayati Talapatra, Founder, Dilli Meri Jaan	Sustainability-led growth, responsible business strategy and long-term value creation.
Vipul Arora, Partner, ESG and Climate Solutions, Sattva Consulting	An ESG masterclass on how environmental factors enter strategy and business decisions, and where energy and climate solutions fit within ESG implementation.





4.3 National Platforms for the Energy Transition

Masters' Union has also participated in national forums where decarbonisation, climate finance and low-carbon business transformation are central themes. At the Net Zero Hour Summit, institutional participation engaged with India's net-zero pathway, climate commitments, innovation and the role of industry-academia collaboration in sustainability. Through SusMafia, the institution has also hosted three sessions on low-carbon business transformation, climate technology, green entrepreneurship and sustainability careers.

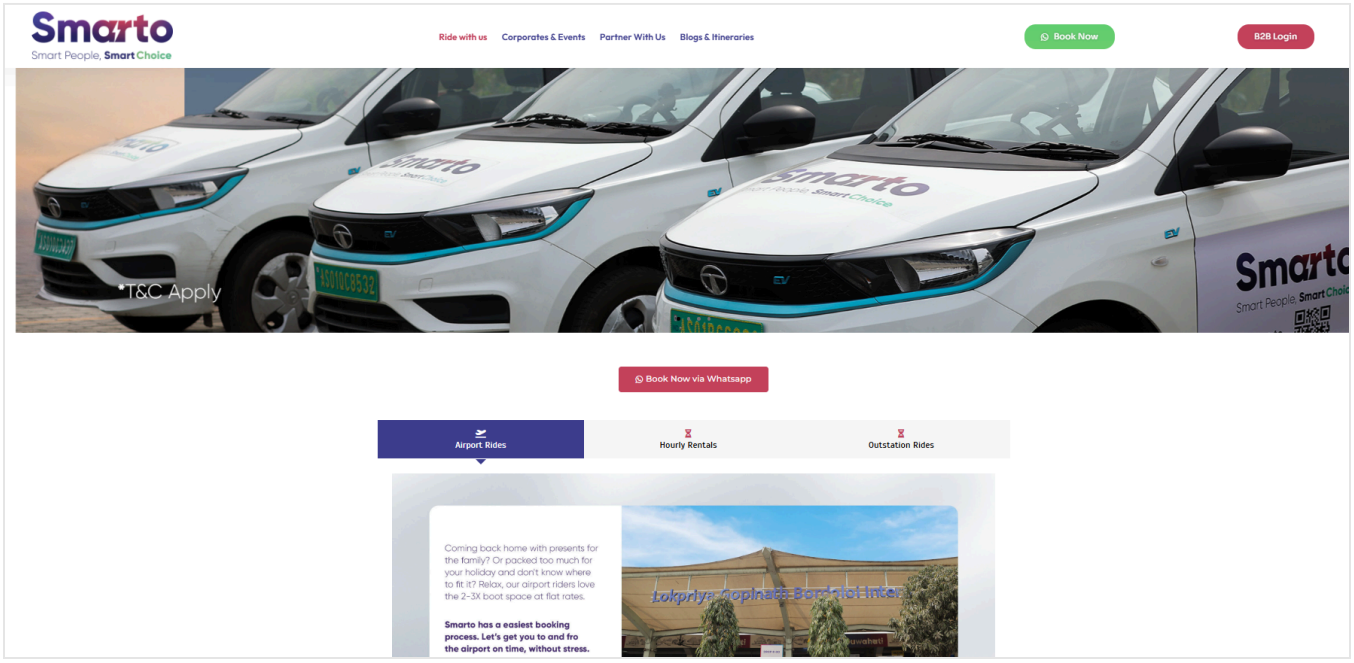
At the Mint Sustainability Impact Summit, the institution contributed to discussion on climate leadership, responsible business and the role of higher education in preparing sustainability professionals. These external forums extend the institution's contribution beyond campus by placing academic leadership in dialogue with finance, technology, policy and corporate sustainability practitioners.



4.4 Entrepreneurship and Alumni Contributions to Clean Energy

The entrepreneurship ecosystem provides another route through which Masters' Union contributes to a low-carbon economy. Smarto Cabs, founded by Manav Bajoria, applies an electric-mobility model to urban transport, showing how student entrepreneurship can translate sustainability themes into operating businesses. Breez, a premium electric mobility service built by Masters' Union students and presented at Demo Day 2026, takes the same route into urban transport.

Alumni careers extend this contribution across renewable energy, energy storage, electric mobility, smart grids and solar infrastructure. Alumni have joined organisations including Param Renewable Energy, Livguard Energy Storage Solutions, Hitachi Energy, Artha Energy Projects, Amara Raja Energy & Mobility, Ola Electric and Infinia Solar.



05 Teaching

Teaching is the most distinctive part of Masters' Union's SDG 7 contribution. The institution treats clean energy as a multidisciplinary business problem involving technology, finance, policy, operations and entrepreneurship. Students encounter the transition through dedicated coursework, live projects, practitioner input and field exposure rather than through a single stand-alone sustainability lecture.

5.1 Sustainability and Business Management

The PG Programme in Sustainability & Business Management provides the clearest academic pathway into clean-energy and climate careers. Its curriculum combines sustainability strategy with finance, markets and business-model design, allowing students to examine how low-carbon technologies move from policy ambition to investable and scalable businesses. The programme maps each of its 40 courses to the goals it serves. Eight are mapped to SDG 7, including Introduction to Sustainability, Environmental Systems, Carbon Markets and Trading, and Introduction to Climate Finance.

5.2 Energy-Transition Curriculum

COURSE / MODULE	ENERGY-TRANSITION LEARNING
Renewable Business Models	Utility-scale, distributed and captive renewable models; PPAs; energy-as-a-service; microgrids; financing structures; scalability and affordability.
Carbon Markets & Trading	GHG accounting, compliance and voluntary markets, carbon pricing, market design, verification and integrity.
Introduction to Climate Finance	Green bonds, sustainability-linked loans, blended finance, climate funds, transition finance and low-carbon project appraisal.
Climate Tech Ecosystem	Energy, mobility and industrial climate technologies; commercialisation; venture capital; policy dependence; scaling pathways and impact assessment.
Sustainable Supply Chains	Scope 3 emissions, supplier decarbonisation, resilience, logistics optimisation and responsible sourcing.
Environmental Systems	Natural systems, resource flows, climate risk, environmental indicators and the business implications of ecological constraints.

5.3 Experiential Learning and Live Projects

The programme is built around practitioner-graded work that requires students to use sustainability frameworks in operating and investment contexts. Live consulting projects, carbon-accounting exercises, climate-risk analysis, ESG reporting, circular-business design and green supply-chain projects give students repeated opportunities to connect technical sustainability questions with commercial decisions.

This applied model is particularly relevant to SDG 7 because clean-energy deployment depends on professionals who can evaluate project economics, financing structures, market incentives and implementation constraints alongside environmental outcomes.

5.4 PGP Immersions: Khavda Renewable Energy Park

The PGP Immersions immersion at Khavda Renewable Energy Park in Kutch gives students direct exposure to utility-scale renewable infrastructure. Participants examine project economics, grid integration, land and infrastructure requirements, supply chains and investment models at a scale that cannot be replicated in the classroom.

The immersion turns the energy transition into a visible operating system: students see how generation capacity, transmission, capital, logistics and local conditions interact when large renewable projects are developed and scaled.

5.5 Global Exposure to Energy and Climate Finance

Global immersion opportunities broaden this perspective by exposing students to institutions and markets shaping climate finance and sustainable infrastructure. Programme materials reference learning engagements with the United Nations in Geneva, Rabobank in Amsterdam and smart-city and sustainability ecosystems in Singapore, Japan and China.

These experiences help students compare how multilateral institutions, financial organisations, cities and companies approach decarbonisation, investment and the governance of energy-transition commitments across different economic contexts.

Global Immersion Programmes

Global Immersion Programmes in Europe visited EDF at La Défense (Indo-French renewable-energy collaboration and low-carbon infrastructure planning), the World LPG Association in France (clean-energy adoption and emission-reduction mandates) and the Zaanse Schans windmill village in the Netherlands (the Dutch legacy of renewable energy).

06 Institutional Direction

We already work from energy-conscious buildings, teach clean energy in our sustainability curriculum and take students to the companies shaping the energy transition. Our ambition is to help train the managers, investors and founders who power India's clean-energy future.

6.1 Campuses that Run Clean

We want our campuses to use energy well and, over time, more clean energy. As we grow, including at the new 10-acre campus at Cyberwalk, a LEED Gold-certified business district in Gurugram, we will choose and run spaces with energy in mind.

6.2 Leaders Ready for the Energy Transition

We want clean energy to be part of how every manager and founder we teach thinks about business, through the curriculum and visits to sites such as the Khavda Renewable Energy Park.

6.3 Research and Ventures for Clean Energy

We want to become a place where research and ventures on India's energy transition grow, working with energy companies, investors and policymakers to turn ideas into practical solutions.

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