

Adani Green Energy Limited

Visiting World's Largest RE Project at

Khavda

March 2024

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Photo: AGEL's Renewable Energy Plant in Khavda, Gujarat



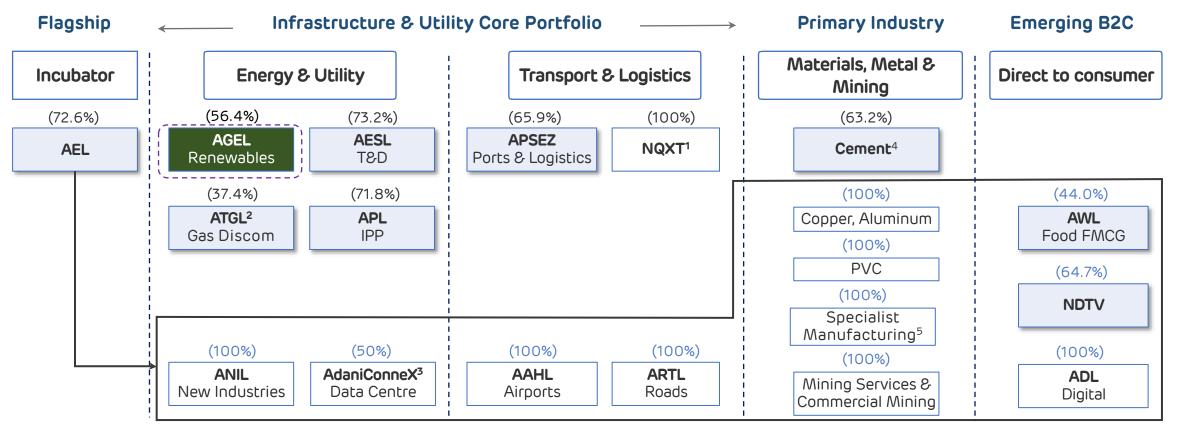
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Adani Portfolio: A World class infrastructure & utility portfolio



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(%): Promoter equity stake in Adani Portfolio companies (%): AEL equity stake in its subsidiaries

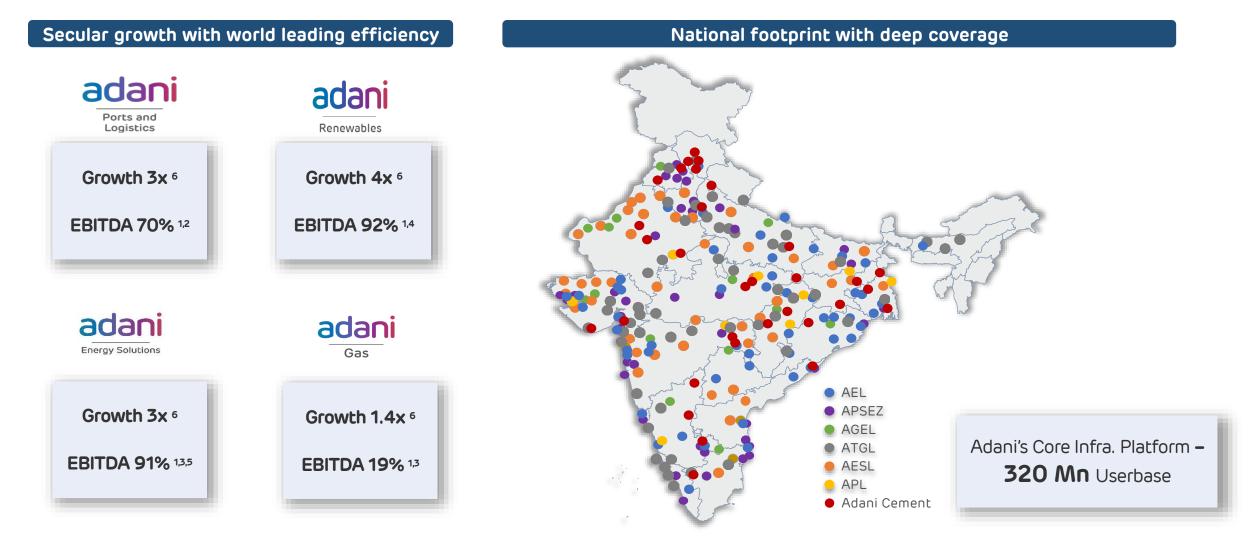
A multi-decade story of high growth centered around infrastructure & utility core

1. NQXT: North Queensland Export Terminal | 2. ATGL: Adani Total Gas Ltd, JV with Total Energies | 3. Data center, JV with EdgeConnex, | 4. Adani Cement includes 63.19% stake in Ambuja Cements which in turn owns 50.05% in ACC Limited. Adani directly owns 6.64% stake in ACC Limited | 5. Includes the manufacturing of Defense and Aerospace Equipment | AEL: Adani Enterprises Limited; APSEZ: Adani Ports and Special Economic Zone Limited; AESL: Adani Energy Solutions Limited; T&D: Transmission & Distribution; APL: Adani Power Limited; AGEL: Adani Green Energy Limited; AAHL: Adani Airport Holdings Limited; ARTL: Adani Roads Transport Limited; ANIL: Adani New Industries Limited; AWL: Adani Wilmar Limited; ADL: Adani Digital Limited; IPP: Independent Power Producer | NDTV: New Delhi Television Ltd | PVC: Polyvinyl Chloride | Promotors holding are as on 31st December,2023

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Adani Portfolio: Decades long track record of industry best growth with national footprint





Note: 1. Data for FY23; 2. Margin for indian ports business only, Excludes forex gains/losses; 3. EBITDA = PBT + Depreciation + Net Finance Costs – Other Income; 4. EBITDA Margin represents EBITDA earned from power supply 5. Operating EBITDA margin of transmission business only, does not include distribution business, 6. Growth pertains to expansion and development aligned with market growth. Growth of respective Adani portfolio company vs. Industry growth is as follows: **APSEZ**'s cargo volume surged from 113 MMT to 339 MMT (13%) between 2016 and 2023, outpacing the industry's growth from 972 MMT to 1433 MMT (4%). **AGEL**'s operational capacity expanded from 0.3 GW to 8.1 GW (60%) between 2016 and 2023, surpassing the industry's growth from 46 GW to 125 GW (15%). AESL's transmission length increased from 6,950 ckm to 19,779 ckm (16%) between 2015 and 2023, outpactforming the industry's growth from 62 to 293 (21%). PBT- Profit before tax, ATGL-Adani Total Gas Limited, AEL: Adani Enterprises Limited, APSEZ: Adani Pover Limited, AGEL: Adani Green Energy Limited I Growth represents the comparison with respective industry segment.

Adani Portfolio: Repeatable, robust & proven transformative model of investment

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Pvt. Banks 🕘 Bonds

DII Global Int. Banks PSU – Capex LC

NBFCs & FIs



Note 1 Adani Environmental Resource Management Services Ltd. (additional company is being proposed)

O&M: Operations & Maintenance, HVDC: High voltage, direct current, PSU: Public Sector Undertaking (Public Banks in India), GMTN: Global Medium-Term Notes SLB: Sustainability Linked Bonds, AEML: Adani Electricity Mumbai Ltd., AIMSL : Adani Infra Mgt Services Pvt Ltd, IG: Investment Grade, LC: Letter of Credit, DII: Domestic Institutional Investors, COP26: 2021 United Nations Climate Change Conference; AGEL: Adani Green Energy Ltd., NBFC: Non-Banking Financial Company, AIIL: Adani Infra India Limited

	-	Secure Sites & Connectivity	Resource Assessment	Construction Readiness
Development & Construction	J	~2,00,000 acres Resource rich sites in strategic locations "RESOURCE AS VALUE APPROACH"	~40 GW potential 85+ Wind data locations Solar resource assessment completed	Geotechnical studies & Special studies (AIIL) Evacuation infrastructure readiness and detailed design planning completed, including simulations
	-	Majority Sovereign Equivalent Counterparties	Technology enabled O&M	Al Based Learning Capability
Operations		100% Must Run Portfolio as per Electricity Act, 2003 95% Contracted Portfolio PPA life: 25 years	ENOC Analytics driven O&M with AI based technology enabling high EBITDA margin (92% ¹)	AIMSL - Edge computing capability Edge box at plant for deep collection of data
[Ъ	Efficient Capital Management	Construction Framework Agreement	IG Ratings & ESG Income
Value Creation		Access to International markets Diversified sources of funding Elongated maturities up to 20 years	US\$ 3 bn Revolving construction facility to ensure fully funded growth	First IG rated Issuance – RG2 Largest HoldCo Issuance Green Certificates Broader capital pools – 144A, REG S

Well positioned for industry leading de-risked growth

1. EBITDA margin from power supply in FY23

PPA: Power Purchase Agreement | ENOC: Energy Network Operations Centre | EBITDA: Earnings before Interest, tax, depreciation & amortization | IG: Investment Grade | AIIL: Adani Infra India Limited | AIMSL: Adani Infra Management Services Pvt Ltd

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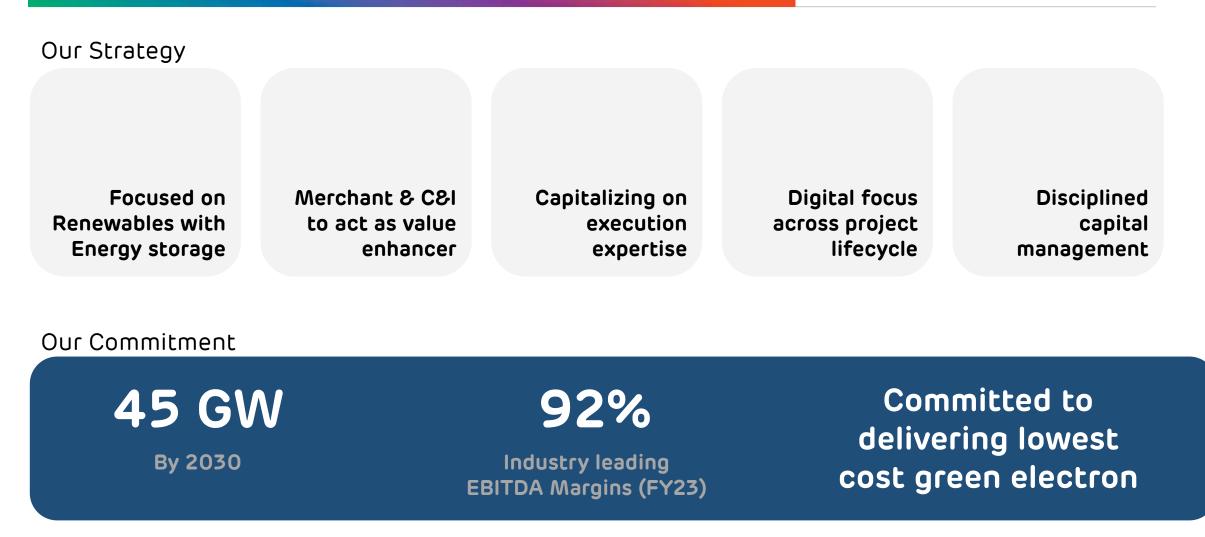
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Adani Green Energy Limited (AGEL): Company Profile

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Photo: AGEL's Solar plant at Anjar, Gujarat

AGEL – Focused on leading the energy transition with sustainable value creation



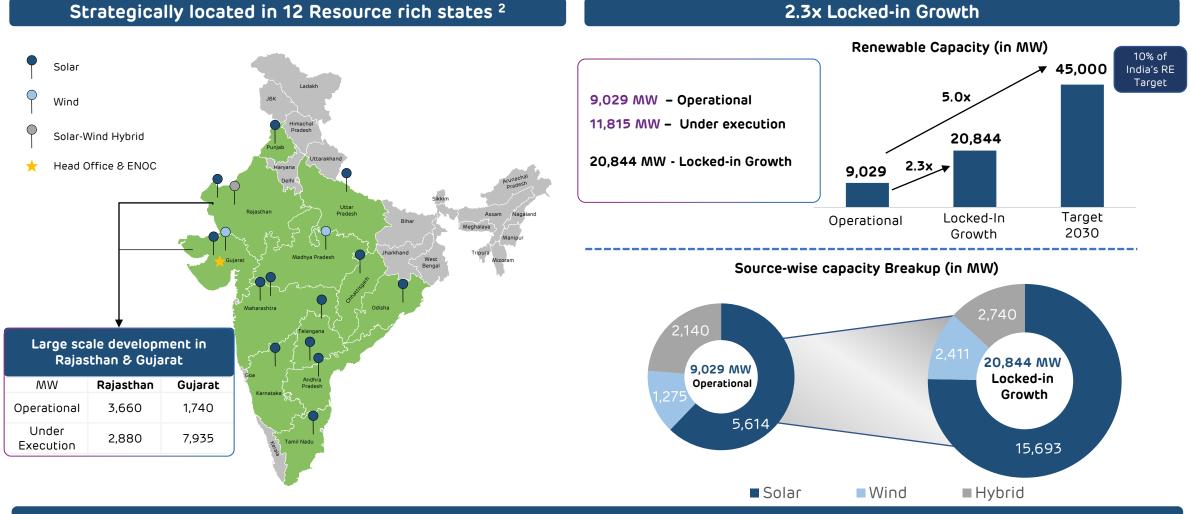
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AGEL – India's largest renewable player and world's 2nd largest solar PV developer ¹

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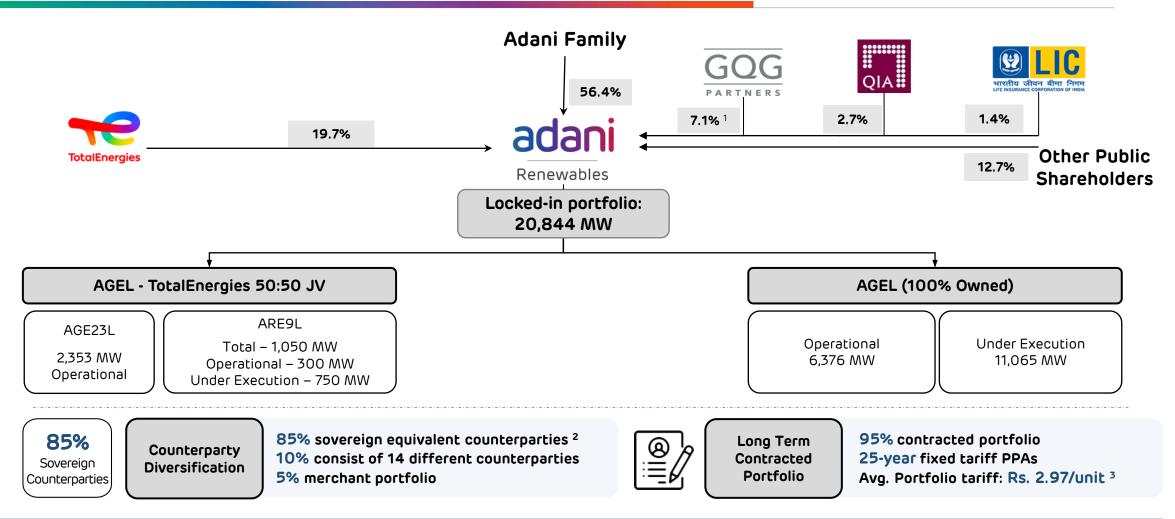
Leading the way towards large-scale adoption of affordable clean energy in India

1. As per Mercom Capital Group's Annual Global Report 2022-23

2. The indicated location for projects under execution is based on current planning and is subject to change.

Above capacities are PPA capacities in MW_{AC} | ENOC – Energy Network Operation Centre | Map not to scale

AGEL – Holding Structure & Key Portfolio Highlights



A sustainable business model backed by strong counterparty profile and long-term contracts

1. Shareholding by funds managed by GQG Partners

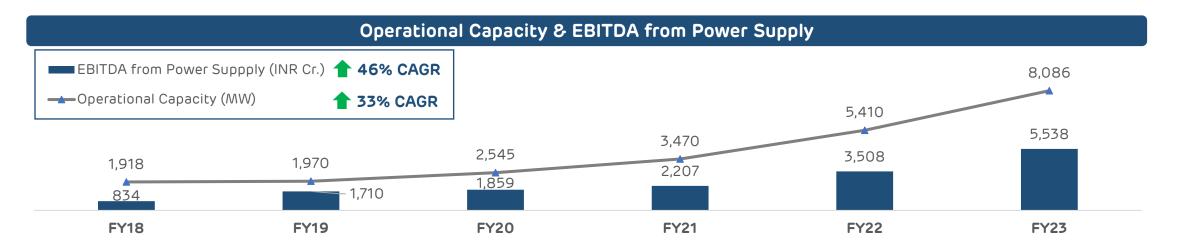
2. Includes 5% sovereign equivalent rated counterparties - Gujarat Urja Vikas Nigam Limited (GUVNL) and Adani Electricity Mumbai Limited (AEML)

3. Average tariff for total contracted portfolio

Shareholding details as on December 31, 2023 | Above capacities are PPA capacities in ${\rm MW}_{\rm AC}$

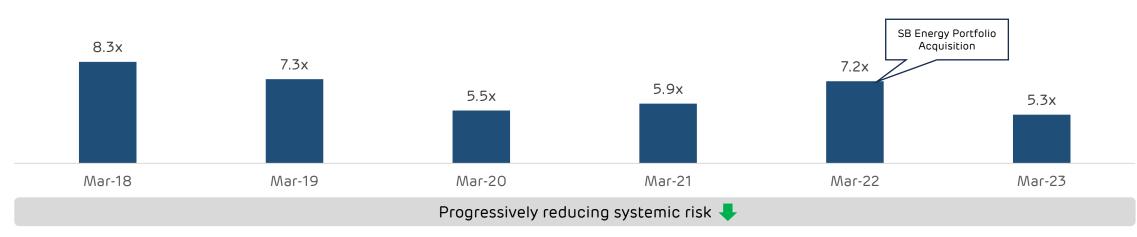
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AGEL – Growth & Cash Generation Capability De-risked



Steadily increasing operating base thereby reducing the overall portfolio risk coupled with best-in-class EBITDA growth

Leverage (LTD / FFO + Cash Cover)



LTD: Long term debt; FFO: Funds flow from operations (= EBITDA – tax – finance cost); CC: Cash Coverage (= Cash & bank balances + Balances held as Margin Money or security against borrowings + Financial Assets Investments; CAGR: Compounded Annual Growth Rate; O&M: Operations & Maintenance; EBITDA: Earnings before interest, tax, depreciation & amortisation

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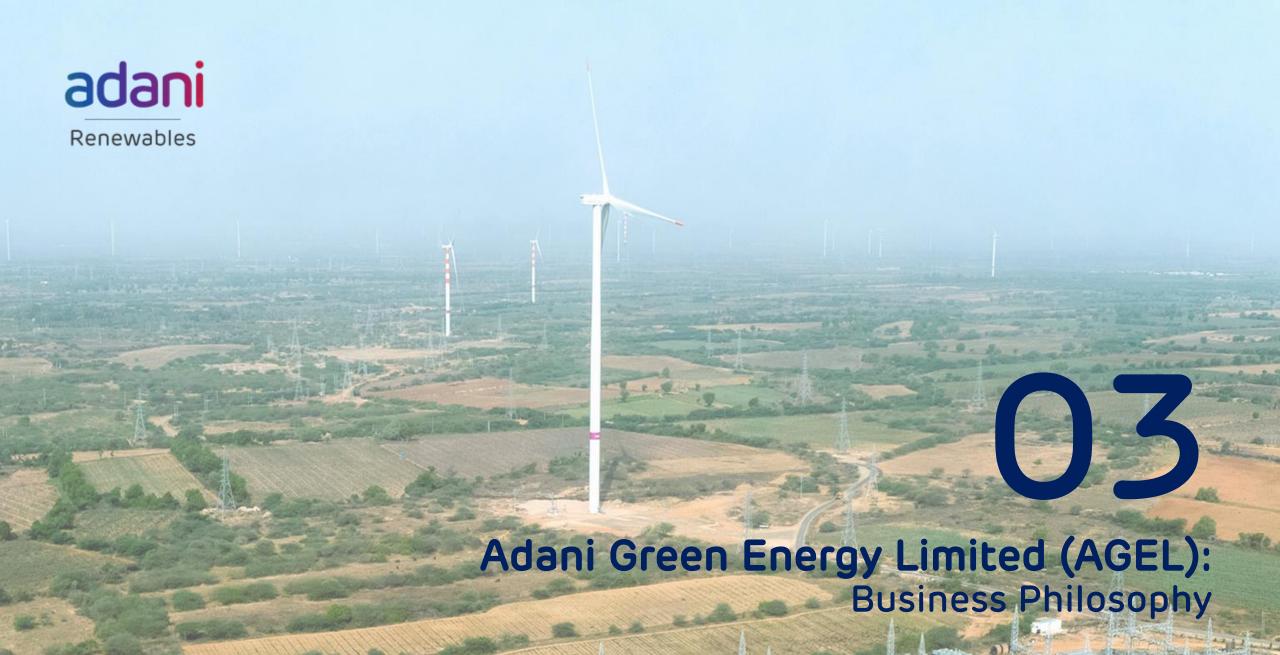


Photo: AGEL's Dayapar Wind Cluster, Gujarat



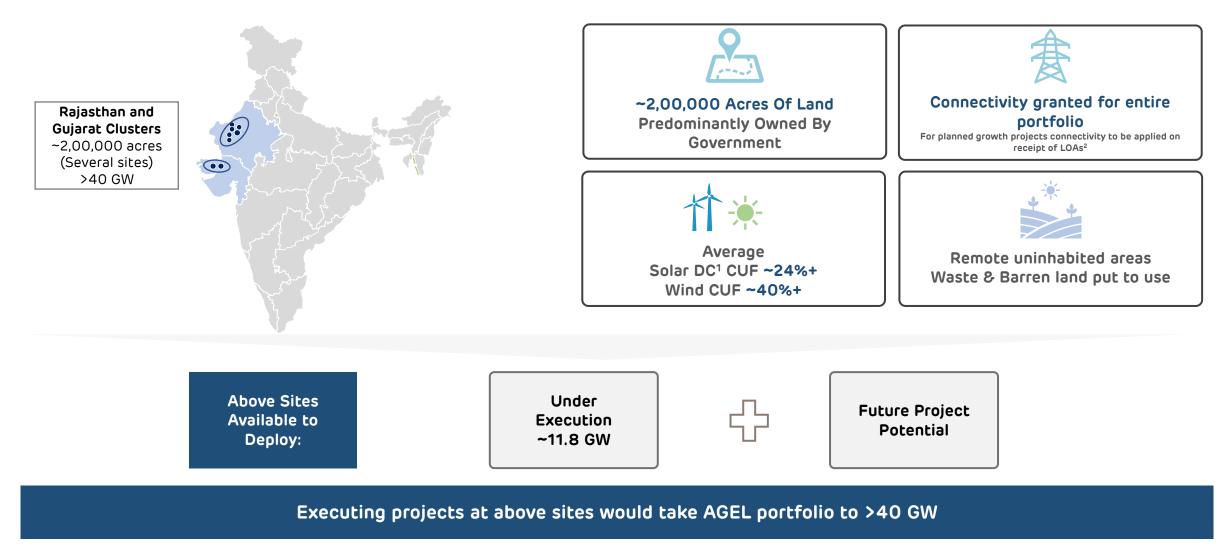
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3a. Origination and Development Readiness

Construction Ready Strategic Sites with High Resource Potential



Identified high resource potential sites of ~2,00,000 acres in Rajasthan and Gujarat



1.DC - Direct Current; CUF - Capacity Utilization Factor2.LOA: Letter of award received from power purchaser on winning the bid

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Project Management, Execution and Assurance

Geotechnical, site suitability studies & advance resource planning

Engineering, design & sourcing management for goods & services

Project execution, monitoring, quality management & assurance

Commissioning, testing & handover to 0&M

Access to large team of skilled professionals having specialized knowledge & hands-on experience of complete project management cycle of large infrastructure projects

Benefit of global best practices & standardization of project management

Benefits of world class Vendor & Logistic ecosystem with Economies of scale

Use of advanced technological tools, both digital & construction focused

Cost efficiency and derisking of construction risk

(~) **Strong Project Controls**

Collaboration & Convergence

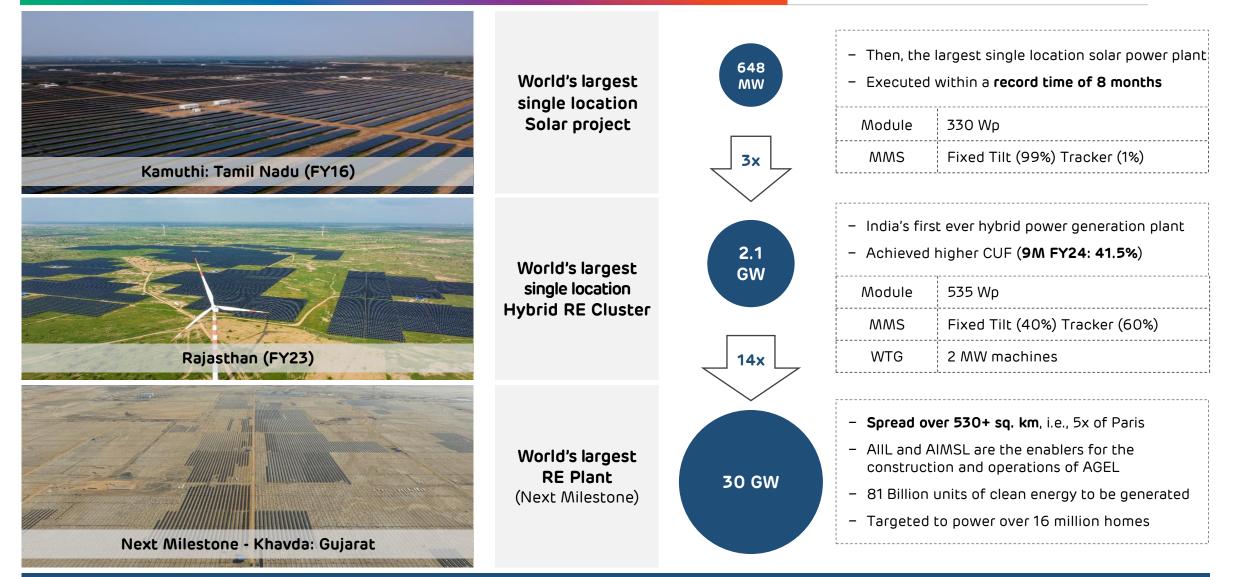


Effective Project Delivery

Best in class practices for planning, design, engineering and procurement driven by AIL leading to cost-effective project execution and assurance

Expertise in Developing Mega Scale Renewable Energy Projects





Consistently setting new benchmarks for renewable energy industry with unmatched speed & scale of execution

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3b. Operational Excellence

Operational Excellence through Energy Network Operation Center (ENOC)





- Real time monitoring of operating assets across 12 states through ENOC at Ahmedabad
- Granular performance insights
- Predictive Maintenance optimizing Mean time between failure (MTBF)
- Suggests corrective actions in real time reducing Mean time to repair (MTTR)
- Industrial cloud partnership with Google for ML & AI capabilities



Al enabled O&M capability driven by AIMSL leading to improved operations and better forecasting

1. EBITDA margins from Power supply

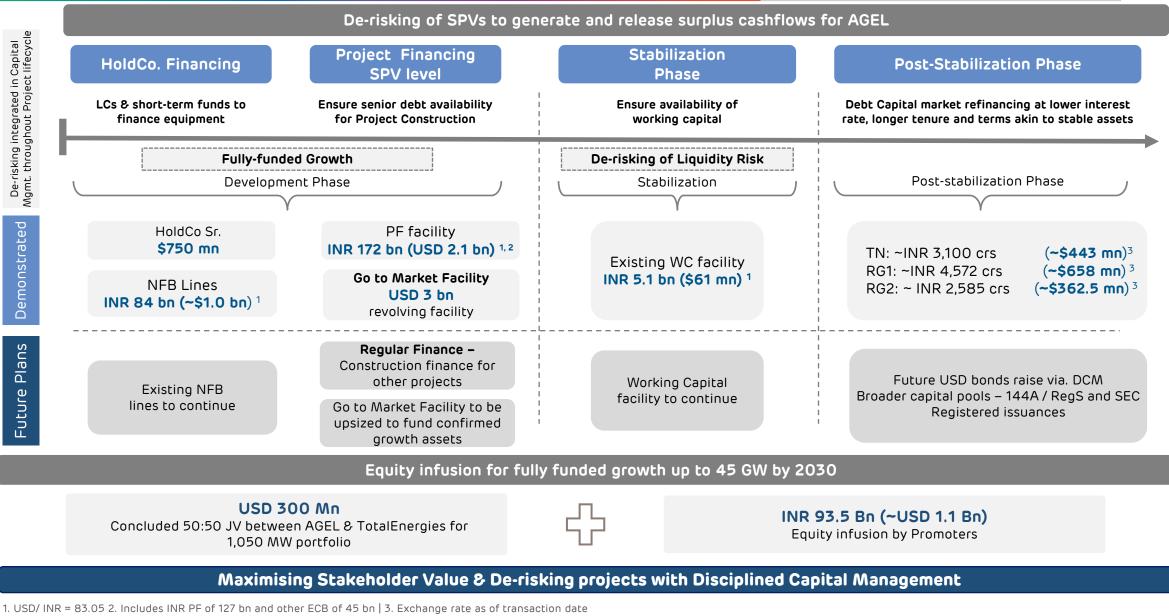
ENOC: Energy Network Operations Centre, O&M: Operations and Maintenance, EBITDA: Earnings before Interest, tax, depreciation & amortization, GW: Gigawatt, CUF: Capacity Utilization Factor on MW_{AC}, AIMSL: Adani Infra Management Services Pvt Ltd



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3c. Capital Management Philosophy

Replicating Adani Business Model: Capital Management Philosophy



PF: Project Finance; LC: Letter of Credit; SPV: Special Purpose Vehicle; RG1: Restricted Group 1 ; RG2: Restricted Group 2; NFB: Non-fund based; WC: Working Capital

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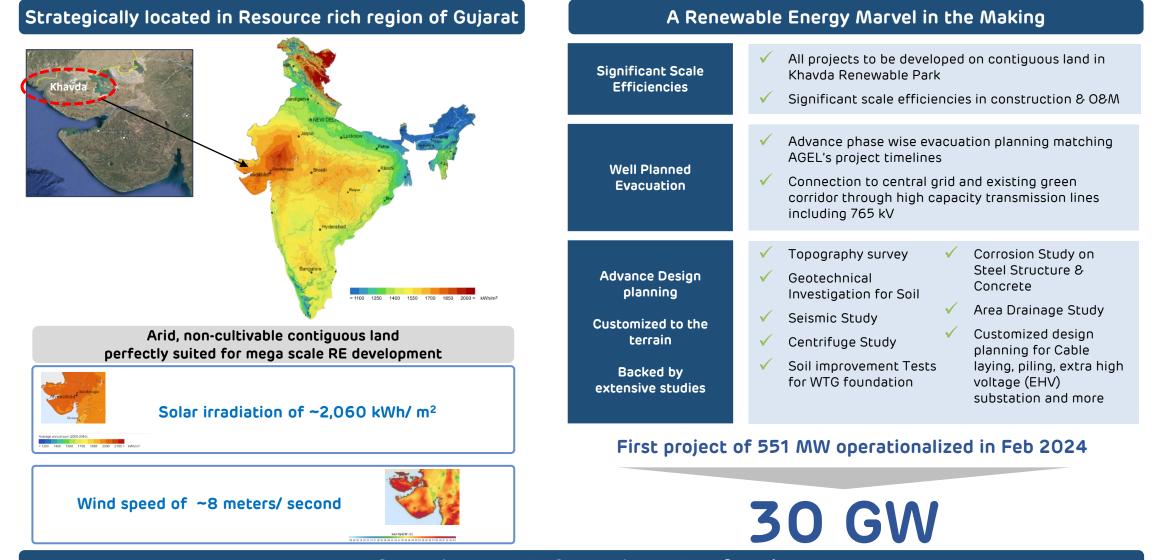
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Photo: AGEL's Renewable Energy Plant in Khavda, Gujarat

Khavda – World's largest single-location Renewable Energy Project





Spread across 530+ sq. km – 5x of Paris

Note: All capacities in MW_{AC}

CUF - Capacity Utilization Factor; SECI - Solar Energy Corporation Limited; Wp - Watt Peak; HSAT - Horizontal Single Axis Tracking System;

Khavda – Latest technology adoption to optimize the LCOE

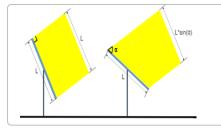


TOPCon, N-type, Bifacial modules



- ✓ 580+ Watt peak modules
- ✓ Higher overall efficiency
- ✓ Better low light performance
- Lower degradation
- ✓ Longer life expectancy
- Bifacial Solar power generation from both sides of the panel

Horizontal Single-Axis Tracking system



- Tracks the sun throughout the day
- Modules are fixed on the mounted Structure & will be rotated around a horizontal axis



5.2 MW Wind Turbines – India's highest rated capacity

- ✓ Developed indigenously by Adani New Industries Ltd in partnership with W2E, Germany
- ✓ Rotor diameter of 160 meters
- ✓ Tip height of 200 meters
- ✓ Included in MNRE's Revised List of Models and Manufacturers (RLMM)
- Accredited with Certificate under IEC System from WindGuard GmbH aligning with the highest global quality and safety standards

Solar CUF of ~ 33%

Wind CUF of ~ 38%

Advanced technology adoption leading to higher electricity generation

Khavda – Complete Project & Social Ecosystem in place



Township for the workforce



- Operationalized Airstrip and approach roads for transfer of materials and resources
- ✓ Employee Residential Camp with canteen in place and being expanded
- ✓ Workers Camp with canteen in place and being expanded
- ✓ O&M Township under construction
- ✓ Operationalized Healthcare facility with Ambulance, Fire tender, Recreational facilities, RO Water Plant, Sewage treatment plant and more.

Construction Control Room



Airstrip



Site Office



Healthcare Facility



Cable pullers for HT Cable



RO Water Plant



Shopping Complex



Warehouses for materials



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Khavda – ESG Implementation



	Standardized ESG Practices			
	Study/Assessment	Consultant		
\checkmark	Environment & Social Impact Assessment (ESIA)			
✓	Critical Habitat Assessment (CHA)			
\checkmark	Climate Change Risk Assessment (CCRA)			
\checkmark	Human Rights Risk Assessment (HRRA)			
\checkmark	Environment & Social Due Diligence (ESDD)			
\checkmark	E&S action plan (ESAP) monitoring	AECOM		
✓	Bird & Bat monitoring			
√ (Developed an entire social ecosystem for the emplo	oyees and		
	contractual workers			
ſ	Naterless robotic cleaning to address dust accumu panels, contributing to the UNSDG 6 by conserving			
	Kutch region and maximize electricity generation			
 Developing indigenous resilient supply chain with significantly increased share of localized procurement, such as WTGs and trackers. 				

Empowering tomorrow with clean energy today



Renewables



Investment Rationale

Photo: AGEL's Solar-Wind Hybrid plants at Jaisalmer, Rajasthan

Key Investment Highlights

Developmental & Operational Excellence	 Resource Availability: Strategic sites with generation potential of ~40 GW backed by comprehensive geotechnical studies, fully prepared evacuation infrastructure, and meticulously crafted design work & resource analysis. Project Management, Execution and Assurance through AIIL: Large team of skilled professionals having specialized knowledge & hands-on experience and 20,000+ vendor network ensuring effective and timely execution Operational Excellence: AI enabled O&M capability driven by ENOC through AIMSL for operational fleet leading to ~ 100% plant availability (solar) and reduced cost
Predictable & Stable cash-flows	 95% contracted portfolio with fixed tariff for 25 years and out of this ~90% comes from sovereign / sovereign equivalent rated counterparties, significantly reducing counterparty risk.
of OpCo's	 Industry-leading EBITDA margins of 90%+ backed by the operational excellence
	 Fully funded growth ensured through Revolving Construction Framework Agreement of USD 3 bn & Equity infusion of
Capital	~ USD 1.4 bn through JV with TotalEnergies and Equity infusion by Promoters
Management Philosophy	 Growth risk delinked from Credit performance with ring fenced structures (LTD/FFO + Cash Cover reduced from 8.26x in FY18 to 5.26x in FY23)
	 No Concentration Risk with diversified capital sources
	- Ranked 1st in RE Sector in Asia and amongst Top 3 in RE Sector globally by ISS ESG in its latest ESG assessment
ESG	 Apart from driving decarbonization of the grid, focused on Water positivity, SUP Free, Zero Waste to Landfill & No net loss of Biodiversity
	– Adani - the largest Infrastructure & Utility platform in the country, with extensive expertise and proven track record in
Strong Sponsorship	developing large-scale projects in India.
- sponsorship-	- Emerging supply chain reliability with backward integration of solar and wind manufacturing at the portfolio level

ICMA: International Capital Markets Association | EBITDA: Earnings before Interest, Tax, Depreciation & Amortization | AIIL: Adani Infra India Limited | AIMSL: Adani Infra Management Services Pvt Ltd | ENOC: Energy Network Operations Centre | O&M: Operations and Maintenance | PPA: Power Purchase Agreement | ESG: Environment, social and governance | SUP: Single use Plastic | LTD: Long Term Debt | FFO: Fund flow from operations

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