

Date: November 30, 2021

To

BSE Limited The National Stock Exchange of India Limited

P J Towers, "Exchange Plaza",

Dalal Street, Bandra – Kurla Complex,

Mumbai – 400 001 Bandra (E), Mumbai – 400 051

Scrip Code: 541450 Scrip Code: ADANIGREEN

Dear Sir,

Sub: Intimation of Analysts / Institutional Investor Conference

Dear Sir,

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we hereby inform that the Company will participate in the conference as per schedule given hereunder:

Date of Meeting	Conference / Event	Organised By
December 01, 2021	ESG Conference	Jefferies

The presentation for the conferences is enclosed herewith and also being uploaded on the website of the Company i.e. www.adanigreenenergy.com.

You are requested to take the same on your record.

Thanking You

Yours Faithfully,

For, Adani Green Energy Limited

Pragnesh Darji Company Secretary

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# Adani Green Energy Limited

2<sup>nd</sup> Jefferies India ESG Summit

**Dec 2021** 

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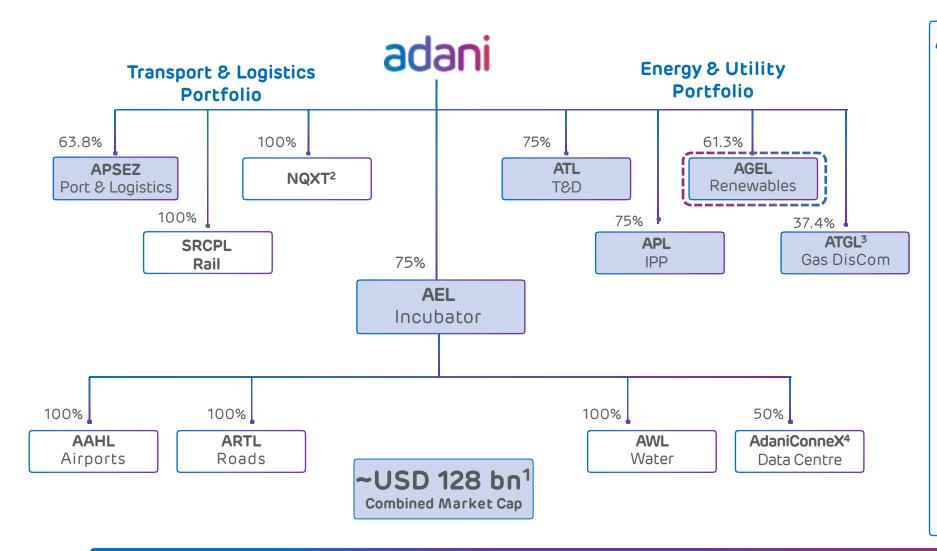


# Adani Group



# Adani Group: A world class infrastructure & utility portfolio





## Adani

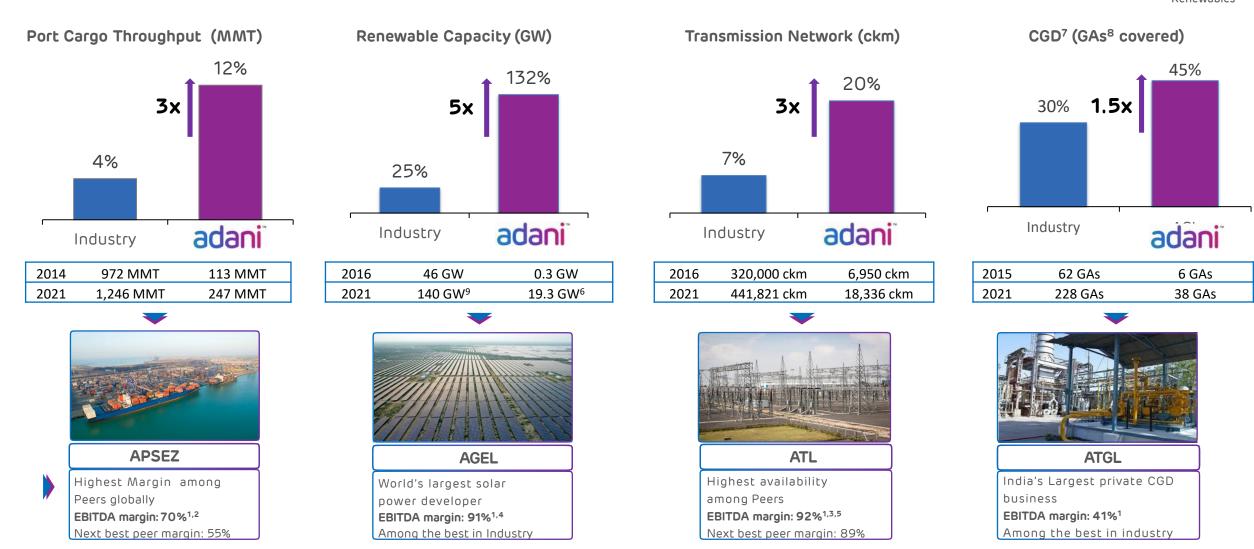
- Marked shift from B2B to B2C businesses –
  - ATGL Gas distribution network to serve key geographies across India
  - AEML Electricity
     distribution network that
     powers the financial capital
     of India
  - Adani Airports To operate, manage and develop eight airports in the country
- · Locked in Growth -
  - Transport & Logistics -Airports and Roads
  - Energy & Utility Water and Data Centre

Opportunity identification, development and beneficiation is intrinsic to diversification and growth of the group.

<sup>1.</sup> As on Nov 30, 2021, USD/INR - 75.1 | Note - Percentages denote promoter holding and Light blue color represent public traded listed verticals

# Adani Group: Decades long track record of industry best growth rates across sectors





## Transformative model driving scale, growth and free cashflow



## **Phase**

# Development



# **Operations**



# **Post Operations**

# Activity

# Ü erforman 1

#### Origination Site Development

#### Construction

#### Operation

#### Capital Mgmt

- Analysis & market intelligence
- Viability analysis
- Strategic value

- Site acquisition
- Concessions and regulatory agreements
- Investment case development
- Engineering & design
- Sourcing & quality levels
- Equity & debt funding at project
- Life cycle O&M planning
- · Asset Management plan
- Redesigning the capital **structure** of assets
- Operational phase funding consistent with asset life

India's Largest Commercial Port (at Mundra)



Longest Private HVDC Line in Asia

(Mundra – Mohindergarh)

Highest line availability

648 MW Ultra Mega Solar Power Plant

(at Kamuthi, Tamil Nadu)

Constructed and Commissioned in nine months

**Energy Network Operation** Center (ENOC)



Centralized continuous monitoring of solar and wind plants across India on a single cloud based platform

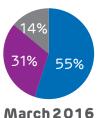
Revolving project finance facility of \$1.35Bn at AGEL - fully funded project pipeline

First ever GMTN1 of USD 2Bn by an energy utility player in India - an SLB<sup>2</sup> in line with COP26 goals - at AEML

Issuance of 20 & 10 year dual tranche bond of USD 750 mn - APSEZ the only infrastructure company to do so

Green bond issuance of USD 750 mn establishes as India's leading credit in the renewable sector

Debt structure moving from PSU banks to Bonds











1. GMTN - Global Medium Term Notes 2. SLB - Sustainability Linked Bonds

# AGEL: Replicating Group's Simple yet Transformational Business Model



Development

Secure Sites & Connectivity

Resource Assessment

**Construction Readiness** 

200.000 acres

Resource rich Sites in strategic locations

~ 31 GW potential

85+ Wind data locations Solar resource assessment completed Geotechnical studies

and detailed design planning, simulations completed

**Operations** 

100% Contracted Capacity<sup>1</sup>

Technology enabled O&M

Industry leading EBITDA margin

Fixed tariff

PPA life: 25 years Tariff profile Average Portfolio tariff: INR 3.11/unit <sup>2</sup> **ENOC** 

Analytics driven O&M with AI based technology to maximize generation and perform predictive maintenance

**91%** <sup>3</sup>

Sweat assets to its fullest (Highest Generation) + Lowest Operating Costs = Highest EBITDA per MW

Capital Management

Fully Funded Growth

De-risking through Refinancing

Unlocking value through Strategic Alliance

US\$ 1.35bn

Revolving construction facility from international banks to fully fund under construction pipeline

US\$ 750 mn

HoldCo green bonds to meet funding needs at SPVs

Access to International markets

Diversified sources of funding Elongated maturities up to 20 years **USD 2.5 bn** 

Invested by TotalEnergies through 20% equity stake at AGEL bought from promoters & 50:50 JV for 2,353 MW operational assets with AGEL

# World's largest solar power developer 4, well positioned for industry leading growth

- 1. Excluding a small merchant solar capacity of 50 MW
- 2. Average tariff for overall portfolio of 20.3 GW
- EBITDA margin from power supply in FY21
- 4. As per ranking by Mercom Capital



## Adani Group and TotalEnergies have partnered with a commitment to expand renewable footprint

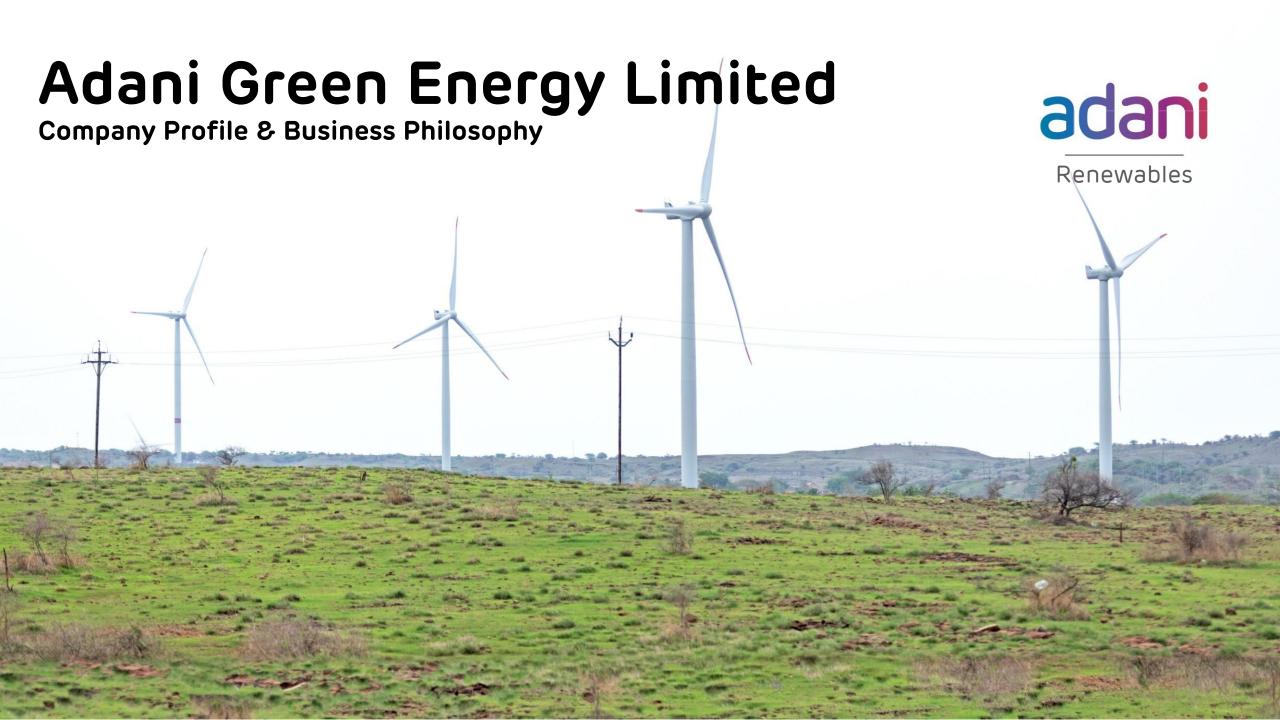


- Amongst Largest infrastructure and real asset platform with deep expertise and experience in developing large scale infrastructure projects in India
- Fully integrated energy player in India
- Disciplined yet transformational capital management approach, applied across infrastructure sub sectors
- Strong supply chain integration
- Commenced renewable journey in India through AGEL in 2015 setting up the then largest solar power project in the world
- AGEL has signed UN Energy Compact committing to develop and operate Renewable Energy Generation Capacity of 25 GW by 2025 and 45 GW by 2030 and to keep average tariff below Average Power Purchase Cost at national level

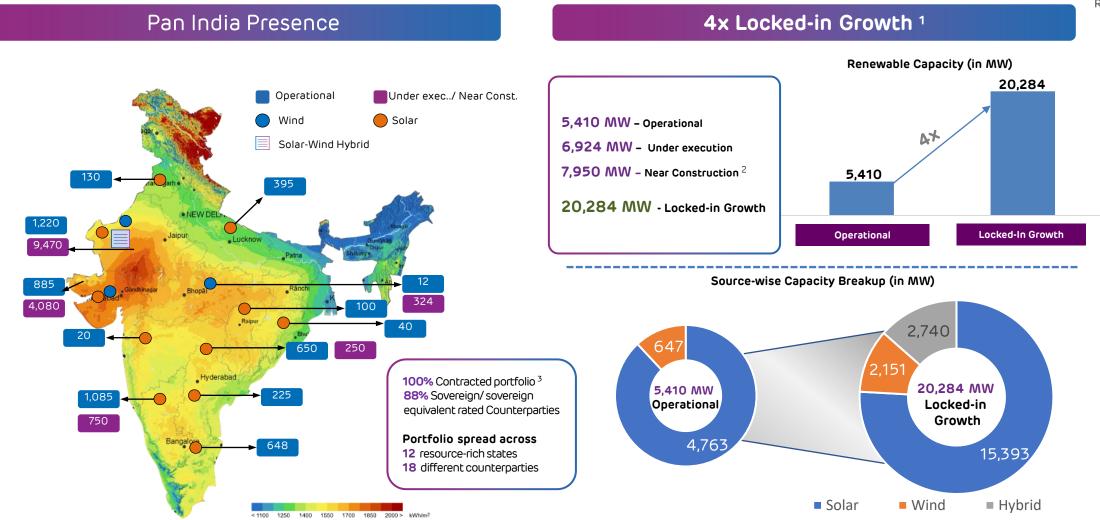


- One of the largest energy players in the world with presence across 130 countries & a leading liquefied natural gas player globally
- Net Zero ambition by 2050, Operating renewable projects all over the world and target to have 35 GW renewable capacity by 2025
- Deep focus on new renewable energy technology R&D to reduce cost of energy and assist in grid adoption
- Adani and TotalEnergies have formed a 'strategic alliance' across renewables, city gas distribution, LNG terminals.
- TotalEnergies owns 20% stake <sup>1</sup> in AGEL and 50% stake <sup>2</sup> in Adani Green Energy Twenty-Three Limited;
- TotalEnergies has board representation in AGEL and is present on Audit Committee of AGEL

Adani and TotalEnergies jointly working to achieve global best practices of governance







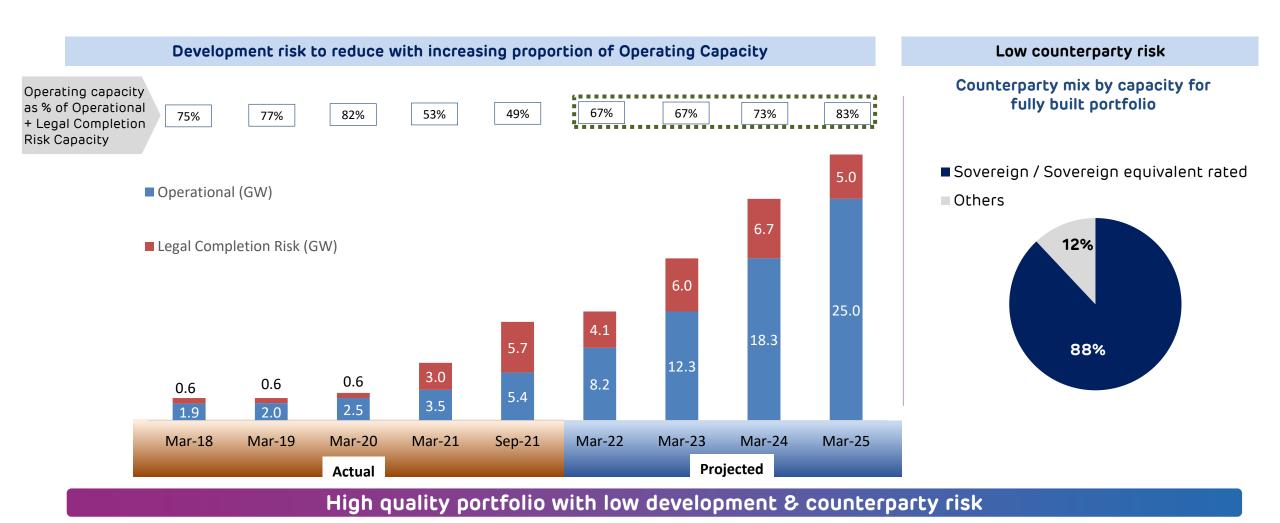
# Signed UN Energy Compact committing to develop and operate 45 GW renewable energy capacity by 2030

- 1. The capacities include 150 MW operational wind assets under acquisition from Inox.
- 2. Includes Letter of Award received and PPA to be signed.
- 3. Excluding a small merchant solar capacity of 50 MW

# AGEL: Majority Operating Portfolio by 2022 reducing Development Risk



Assets contracted under 25 year PPA, 88% of capacity contracted to sovereign / sovereign equivalent rated counterparties



Note

The capacities shown above include 150 MW operational wind assets under acquisition from Inox



# AGEL: Robust ESG Assurance Framework





Scored 66/ 100 in DJSI-S&P Global Corporate
Sustainability Assessment, significantly better than average World Electric Utility score of 38/ 100
&

MSCI assigned ESG Rating of 'A'



- To be in Top 10 companies of the world in ESG benchmarking of electric utility sector by FY25
- To develop and operate renewable energy capacity of 25 GW by 2025 and 45 GW by 2030
- To become Single-use-Plastic-Free (SuPF) company by FY24
- To become Zero-Waste-to-Landfill (ZWL) company by FY25
- To become net water neutral for plants more than 200 MW by FY25
- Committed to Health and Safety of workforce with Zero Harm and Zero Leak objective
- Inclusive growth by sustaining communities to ensure social license to operate



Renewables

#### **Carbon Emission Reduction**

- Supporting low carbon Economy
- Improving Carbon Efficiency
- Supporting newer and more efficient renewable technologies

#### **Natural Resource Conservation**

- Reduce freshwater withdrawal and water conservation initiatives
- Land use and cover management
- Circular Economy

#### **Biodiversity Management**

- Biodiversity Management Plan
- Green landscaping at operating locations
- Use of barren/ non-cultivated land for plant development

## Readiness

**Awareness** 

- Renewable capacity target of 25 GW by 2025 & 45 GW by 2030
- Improving energy efficiency with Energy Network Operation Center
- Early adoption of new and efficient technologies such as bifacial modules/ trackers

- Single Use Plastic free sites by FY24
- Zero waste to landfill by FY25
- Net-Water neutrality for plant capacity >200 MW by FY25

- Critical Habitat Assessment, Bird & Bat Monitoring & various Environment studies at project development stage
- Implementation of initiatives identified through above studies

## Alignment

- Disclosure on Climate Change of Carbon Disclosure Project (CDP)
- Contributing to UN SDG 7 & 13;
   Signed UN Energy Compact aligned with SDG 7
- DJSI Corporate Sustainability Assessment
- Committed to SBTi
- GRI Standards

- DJSI Corporate
   Sustainability Assessment
- Supporting TCFD recommendations
- GRI Standards

- Environment Social Impact Assessment as per IFC Performance Standards
- India Business & Biodiversity Initiative (IBBI)
- DJSI Corporate
   Sustainability Assessment
- Signatory to IBBI
- GRI Standards

AGEL has become founding member of 'Global Alliance on Sustainable Energy'
AGEL is the title funder of the New Climate Change Gallery at the Science Museum in London



#### Renewables

# **United Nations Sustainable Development Goals 2030**



6 CLEAN WATER AND SANITATION























# 5 GENDER EQUALITY $\subseteq$







# Our Key Social Initiatives mapped to UNSDG

	Education 4. Quality Education	Gujarat Rajasthan	<ul> <li>Enhancing quality of education through adoption of government primary schools. Renovation of public library in Jaisalmer district</li> <li>Distribution of school bags, furniture in 38 schools of Jaisalmer district</li> </ul>
	Health 3. Good Health & Well Being	Rajasthan & other Locations	<ul> <li>Winterwear distribution to underprivileged children, distribution of sports material to schools, COVID relief activities, improving health/ sanitization etc</li> </ul>
:(	Livelihood	Multiple Locations	- 1,248 direct/ indirect job opportunities provided in H1 FY22
:	8. Decent Work & Economic Growth		<ul> <li>First progress report on UNGC's Ten Principles incl. Human Rights submitted in September 2021</li> </ul>
: (			NIL lost time injury frequency rate in FY21

Ecology
---------

- 7. Affordable and Clean Energy
- 13. Climate Action
- 15. Life on Land

#### Multiple Locations

- Current average portfolio tariff of Rs. 3.11 per unit much lower than APPC of Rs. 3.85 per unit and committed to keep it below APPC
- Renewable capacity target of 25 GW by 2025 and 45 GW by 2030
- AGEL's Energy Compact is accepted by United Nations and will be showcased at COP 26 meeting in UK
- Environmental and social risk assessment conducted by third party for 1690 MW Hybrid Projects in Rajasthan and SECI-VIII project in Gujarat

# **Key Focus Areas**









#### Sustainable Innovation

- 9. Industry, Innovation & Infrastructure
- 11. Sustainable Cities & Communities

#### Multiple Locations

- Cost efficient operation & higher electricity generation through ENOC
- Development of semi-automatic module cleaning system to reduce water usage by 46%
- Cloud based ESG IT platform ProcessMAP implemented across all sites
- Desilting of community ponds work initiated in Rajasthan and CG
- Installation of solar street lights in villages

#### Responsible Consumption & Production

- 12. Responsible Consumption & Production
- 14. Life below Water

#### Tamil Nadu

- Use of Single-use-plastic reduced to 'zero' from both supply chain and internal operation at AGEL's largest solar plant of 648 MW in Kamuthi, Tamil Nadu
- Cleaned and de-silted community water ponds to create extra water holding and ground water recharge capacity that is 1.5x of water consumption at the Kamuthi plant

Alignment with UNSDGs with focus on renewable energy, inclusive growth & sustainable innovation



#### Policies / Commitment

- **Environment Management**
- Energy & Emission Commitment
- Water Stewardship Commitment
- **Biodiversity Policy**

- Corporate Social Responsibility Policy
- Occupational Health and Safety Policy
- Human Rights & Community Relations Policy
- Related Party Transaction Policy
- **Dividend Distribution Policy**
- Nomination and Remuneration
- Code of Conduct
- Whistle Blower Policy
- Anti-Corruption and Bribery Policy

#### Committees

- Corporate Responsibility Committee
- Risk Management Committee

- Corporate Social Responsibility Committee
- Stakeholder Relationship Committee

- Audit Committee
- Nomination and Remuneration Committee
- Info tech and data security committee

#### Assurance

#### Corporate Responsibility Committee (CRC)

formed to provide assurance for all ESG commitments with

100% Independent directors

#### **ESG Governance Structure**

#### **ESG Apex Committee**

#### **ESG Mentors**

#### **ESG Head**

#### Roles & Responsibilities of ESG Apex Committee

- Provide organizational vision and overall direction to ESG program
- Review and approval on public disclosures on ESG (annual report, sustainability report, special disclosures)
- Allocate resources required by ESG Core Working Group
- Implementation of ESG Strategy

#### Roles & Responsibilities of ESG Mentors

- Provide specific guidance and operational insights to ESG Core Working Group and ESG Champions
- Undertake quarterly review of activities led by ESG Champions

- Risk Management committee



# Increased percentage of Independence Directors in Existing Board Committees

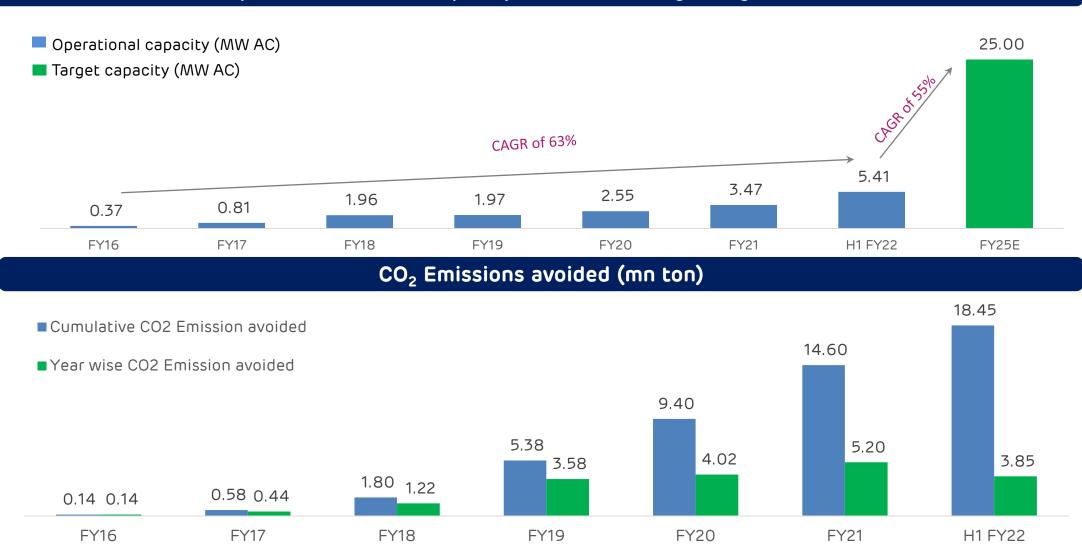
- ✓ Increased from 75% to 100% for Audit Committee and Nomination and Remuneration Committee
- ✓ Increased from 33% to at least 75% for Corporate Social Responsibility Committee
- ✓ Increased from 33% to at least 50% for Risk Management Committee
- ✓ To be at least 50% for Stakeholders Relationship Committee

# **Newly formed Board Committees**

- ✓ Corporate Responsibility Committee with 100% Independent Directors
- ✓ New Sub-Committees of Risk Management Committee with at least 50% Independent Directors
  - ✓ Mergers & Acquisitions Committee
  - ✓ Legal, Regulatory & Tax Committee
  - ✓ Reputation Risk Committee
- ✓ Information Technology & Data Security Committee with at least 50% Independent Directors



# Fast-paced Renewable Capacity addition leading to a greener future



Cumulative  $CO_2$  emission avoided by AGEL is higher than Croatia's annual  $CO_2$  emission <sup>1</sup>



#### Water consumption reduction initiatives

Conventional Module Cleaning System (Manual)



Water
Consumption /
module / cycle





Semi-automatic Module Cleaning System



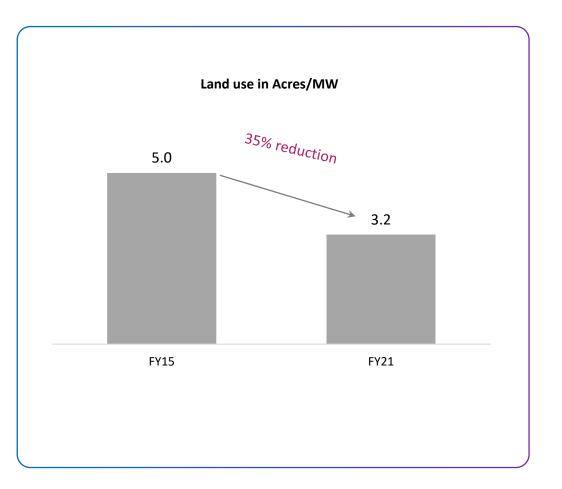




Robotic Cleaning

Near Zero

# Efficiency in land usage



Early adoption of newer technologies leading water conservation

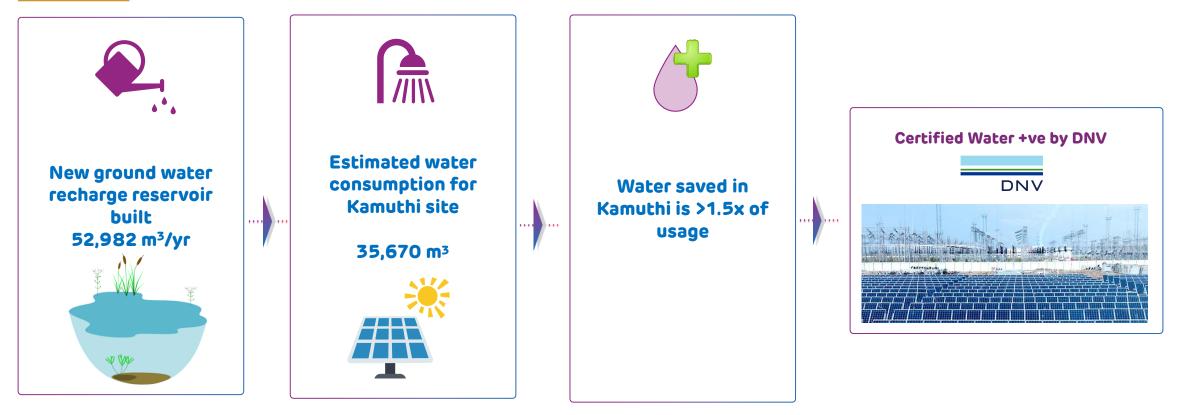
Efficient land use with optimized plant design & deployment of latest technologies





#### Aligning to UN Sustainable Development Goal 12

✓ Committed to water neutrality through reducing water consumption & conservation of water



First Water Positive Plant of its kind in the World







#### Aligning to UN Sustainable Goals 12 & 14

- ✓ Committed to responsible consumption by way of reducing single-use-plastic usage to 'zero' and thereby help reduce its impact on life below water
- ✓ SUP free certification to minimize waste generation under ISO 14001 being implemented.



# Eliminated SUP use from Supply-chain

- Uses identified e.g.
   wrapping/ packing material
   for equipment
- General Conditions of Contract amended
- ✓ SUP incorporated in quality checklist

# Eliminated SUP use in Internal Operations

- ✓ Identified SUPs as defined by United Nations Environmental Program and European Union
- ✓ Training of employees and IMS auditors on SUP
- Elimination of SUP items from the system



SUP Free certification at Kamuthi sets the model to be followed at large renewable plants across India

# AGEL: Update on Adherence to the ESG Guiding Principles and Disclosure Standards



# **Guiding Principles**

- ✓ Signatory to United Nations Global Compact (UNGC): Submitted first Communication on Progress (COP) for FY21
- ✓ UN Sustainable Development Goals:
  - ✓ Signatory to UN Energy Compact in line with SDG 7 (Affordable and Clean Energy)
- ✓ **Science Based Targets Initiative (SBTi):** Signed MOU with CDP for 'The Science Based Targets Initiative Incubator Project' (SBTiIP) to advance from commitment stage to target development stage

#### Disclosure Standards

- ✓ **TCFD:** Supports TCFD and the annual ESG Report enumerates progress on Governance; Strategy; Metrics and Targets and Risk Management approach, including climate scenario analysis
- ✓ GRI Standards: Based on the Comprehensive option, publishing externally assured annual ESG Report.
- ✓ CDP Disclosure: Information submitted as per CDP Climate Change Disclosure standards for FY21

As announced in COP26, AGEL signed UN Energy Compact committing to develop and operate 45 GW by 2030 & Committed to adopt Electric Vehicles in the new fleet – 70% by 2030-31, as part of WBCSD initiative

# AGEL: Update on Implementation of ESG Program



# Key Commitments

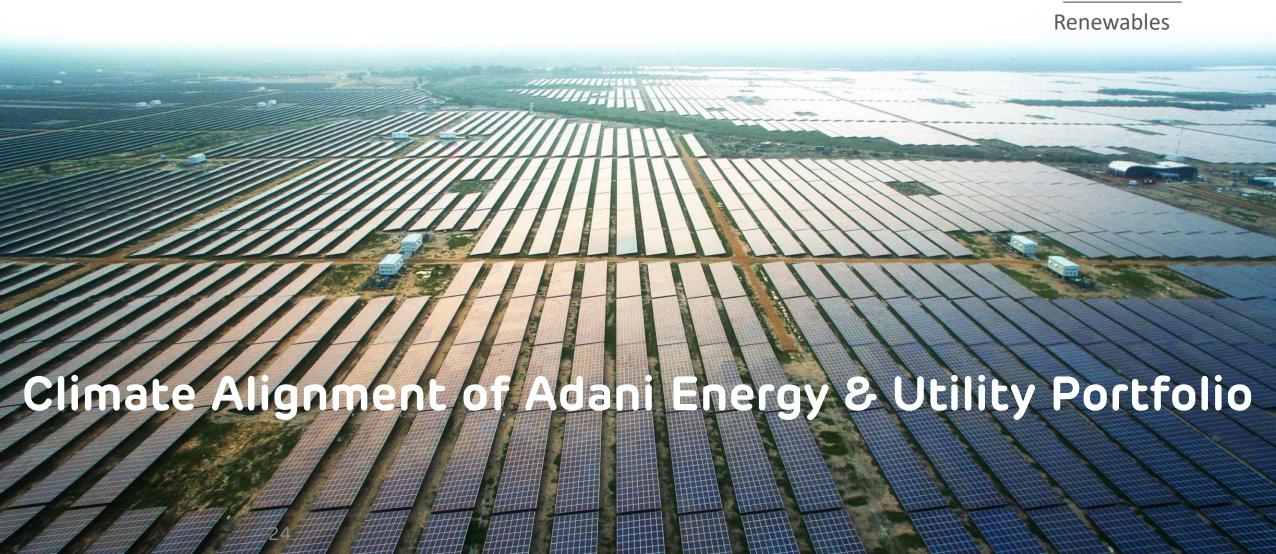
Indicator	FY25 Target	FY22 Target	Status: H1 FY22
Water neutral operating capacity (MW)	100%	40%	30%
Zero waste to landfill operating capacity (MW)	100%	50%	Implementation underway, certification to follow
Single use plastic free operating capacity (MW)	100%	50%	17%

## Other Key Updates on Environment & Social initiatives – H1 FY22

- > Pollution control & GHG emission reduction
  - √ 3.85 mn ton CO₂ emission avoided in H1 FY22
  - √ 99.5% less emission Intensity per unit of generation (0.002 GHG tCO₂ / MWh) in H1 FY22 v/s Indian grid average of 0.83 tCO₂ / MWh
- > Resource conservation
  - √ 99.14% less Fresh Water consumption per unit of generation (0.03 kl/MWh) in H1 FY22 as against 3.5 kl / MWh, statutory limit for thermal power
  - ✓ Received India's best Environmental score in ESG rating by Edelweiss ESG Way: NSE 100 ESG ranking, June 2021

- > Occupational Health & Safety
  - ✓ **0.24 LTIFR** till H1 FY22
  - √ 4.53 million continuous safe man hours till H1
    FY22
  - √ 39,794 workman training hours on safety in H1
    FY22
  - ✓ Employee retention rate of 95.2% for H1 FY22
- > Sustainable Livelihood
  - √ 1,248 direct/ indirect job opportunities provided in H1 FY22



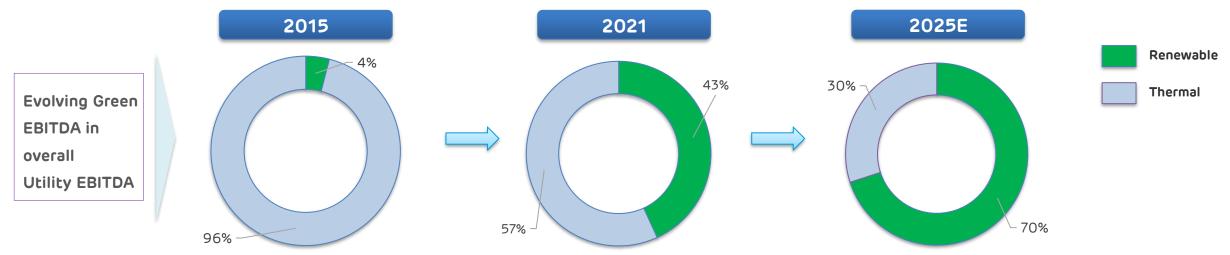


# Adani Group: AGEL's deep green strategy to lead the group's sustainability ambitions





- Evolving into a sustainable infra asset owner.
- Utility EBITDA from green businesses to increase to 70% by 2025.



One of the few globally to have transformed from a fossil fuel dependent to renewable powered utility

- % of Green EBITDA out of total utility EBITDA and % of Green Capex out of total utility Capex
- EBITDA from non green sources increased in FY21 resulting in lower Green EBITDA (APL EBITDA in FY20 was Rs.71 bn and Rs.106 bn in FY21)

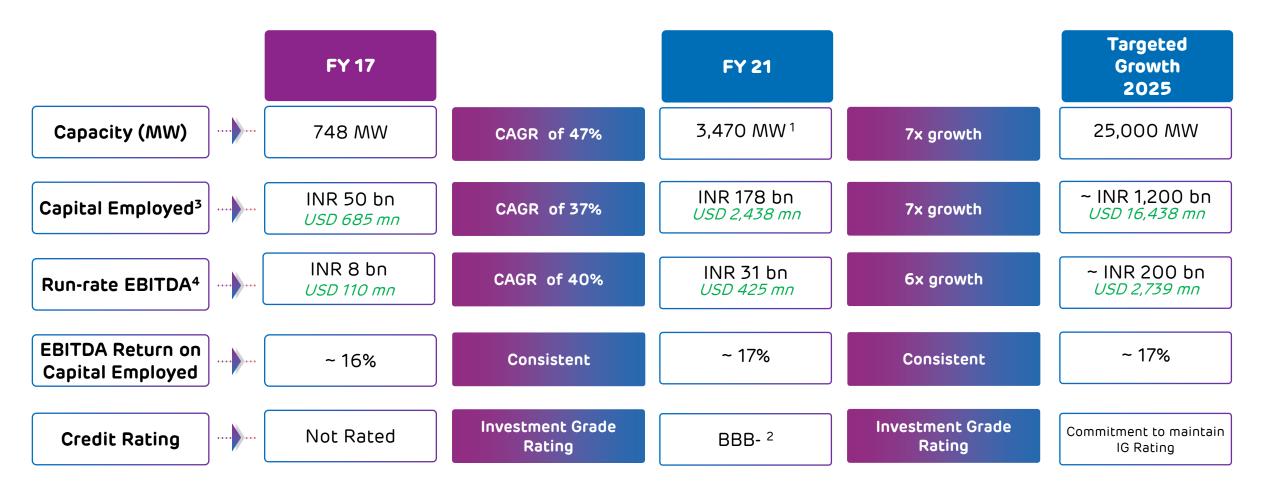
# AGEL: Value Creation through Transformative Investment Philosophy





# AGEL: Value Creation through Transformative Investment Philosophy





# Fast paced growth with stable returns

- 1 Includes 150 MW of wind projects under-acquisition from Inox
- Fitch Credit rating for RG2

<sup>3</sup> Capital Employed for Operational Assets. For locked-in growth the estimated project cost has been considered

<sup>4</sup> Estimated EBITDA for full year of operations; (Reported EBITDA from Power Supply for FY21 is INR 22 bn)

# AGEL: A Compelling Investment Case



	<ul> <li>Pedigree of Adani Group: leadership in infrastructure energy &amp; utility and transport &amp; logistics sectors</li> </ul>			
Strong Sponsorship	<ul> <li>Robust, reliable supply chain backed by strategic investments</li> </ul>			
	Strategic partnership with French Energy major TotalEnergies SE			
Strong Coverement Buch	■ India targets Renewable capacity of 175 GW by 2022 & <b>450 GW by 2030 from 100 GW currently</b>			
Strong Government Push	<ul> <li>'Must-run' status to renewable plants in India ensures continuous off-take of energy</li> </ul>			
	<ul> <li>World class project execution with equipment sourced from tier 1 suppliers through strategic alliances</li> </ul>			
Excellent execution track record	<ul> <li>Central monitoring of all project execution by Project Management &amp; Assurance Group</li> </ul>			
100K (C0010	<ul> <li>Track record of executing projects ahead of schedule vis a vis execution timeline</li> </ul>			
	<ul> <li>Locked in portfolio: 20.3 GW of which 5.4 GW is operational and 2.8 GW is in final stages of commissioning</li> </ul>			
De-risked Project Pipeline	<ul> <li>Resource tie up: Strategic sites with generation potential of ~31 GW with geotechnical, resource analysis &amp; design work done</li> </ul>			
	<ul> <li>Fully funded growth ensured through Revolving Construction Framework Agreement of USD 1.35 bn</li> </ul>			
	<ul> <li>20,000+ vendor relationships ensuring effective and timely execution</li> </ul>			
	<ul> <li>25 year long term PPA's; ~88% sovereign rated counterparties significantly reducing counterparty risk</li> </ul>			
Dandistable O Stable and Slave	<ul> <li>Technology backed O&amp;M: ENOC driven Predictive Analytics leading to cost efficient O&amp;M and high performance</li> </ul>			
Predictable & Stable cash-flows	<ul> <li>EBITDA margin from Power Supply of ~90% over the past 3 years, ensuring maximum cash generation</li> </ul>			
	<ul> <li>Rapid transition from majority development risk to primary stable operating assets</li> </ul>			
500 5	<ul> <li>AGEL's largest solar plant of 648 MW in Kamuthi became the First net water positive plant of its kind in the world and the First single-use plastic free plant of its kind in the world</li> </ul>			
ESG Focus	<ul> <li>Scored 66/ 100 in DJSI-S&amp;P Global Corporate Sustainability Assessment, significantly better than average World Electric Utility score of 38/ 100 &amp; Assigned MSCI ESG Rating of 'A'</li> </ul>			

# Disclaimer



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# Thank You