Adani Green Energy Limited

Provisional Operational Update
(Consolidated)

Q1 FY23
Adani: A World Class Infrastructure & Utility Portfolio

- **Infrastructure Portfolio**
  - **Energy & Utility**
    - AGEL Renewables (60.5%)
    - ATL T&D (73.9%)
    - APSEZ Ports & Logistics (65.6%)
  - **Transport & Logistics**
    - ATGL Gas Discom (37.4%)
    - APL IPP (75.0%)
    - APSEZ Ports & Logistics (100%)
  - **Direct to consumer**
    - NQXT2 (44.0%)
  - **Other businesses**
    - AWL Food FMCG (100%)
    - Other specialty businesses (100%)

- **Other specialty businesses**
  - Defence, Mining services, Copper, Petrochemicals

- **A multi-decade story of high growth and derisked cash flow generation**


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

- Represents public traded listed verticals
Adani: Decades long track record of industry best growth rates across sectors

Transformative model driving scale, growth and free cashflow

Note: 1. Data for FY22; 2. Margin for 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. Contracted & awarded capacity; 7. CGD: City Gas distribution; 8. GAs - Geographical Areas; 9. Industry data is from market intelligence; 10. This includes 17GW of renewable capacity where PPA has been signed and the capacity is under various stages of implementation and 29GW of capacity where PPA is yet to be signed. Data for FY21
Adani: Repeatable, robust & proven transformative model of investment

**Phase**

**Activity**
- Analysis & market intelligence
- Viability analysis
- Strategic value

**Performance**
- India's Largest Commercial Port (at Mundra)
- Longest Private HVDC Line in Asia (Mundra - Mohindergarh)
- 648 MW Ultra Mega Solar Power Plant (at Kamuthi, TamilNadu)

**Origination**
- Site acquisition
- Concessions & regulatory agreements
- Investment case development

**Development**
- Engineering & design
- Sourcing & quality levels
- Equity & debt funding at project

**Construction**
- Life cycle O&M planning
- Asset Management Plan

**Operation**
- Redesigning the capital structure of the asset
- Operational phase funding consistent with asset life

**Post Operations**
- First ever GMTN of USD 2Bn by an energy utility player in India - an SLB in line with COP26 goals - at AEML
- AGEL’s tied up “Diversified Growth Capital” with revolving facility of USD 1.64 Bn - fully fund its entire project pipeline
- 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 AGEL as India’s leading credit in the renewable sector

**Key Achievements**
- Debt structure moving from PSU banks to Bonds

**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. **IG**: Investment Grade, **LC**: Letter of Credit, **DII**: Domestic Institutional Investors, **COP26**: 2021 United Nations Climate Change Conference; **AGEL**: Adani Green Energy Ltd.
AGEL: Replicating Group’s Simple yet Transformational Business Model

**Development**

- Secure Sites & Connectivity
  - ~2,00,000 acres
  - Resource rich sites in strategic locations
    - "RESOURCE AS VALUE APPROACH"

- Resource Assessment
  - ~40 GW potential
  - 85+ Wind data locations
    - Solar resource assessment completed

- Construction Readiness
  - Geotechnical studies
    - and detailed design planning, simulations completed

**Operations**

- 100% Contracted Capacity
  - Fixed tariff
    - PPA life: 25 years
    - Average Portfolio tariff: INR 2.99/unit

- Technology enabled O&M
  - ENOC
    - Enabling high margin EBITDA (92%)

- Utility based ESG income
  - Green Certificates
    - Enhancement in the utility linked revenue stream

**Value Creation**

- Efficient Capital Management
  - Access to International markets
    - Diversified sources of funding
    - Elongated maturities up to 20 years

- Construction Framework Agreement
  - US$ 20 bn
    - Fully funded plan, AGEL has completed raising US$ 1.64 bn

- Investment Grade (IG) Ratings
  - First IG rated Issuance – RG2
    - Largest HoldCo Issuance
      - Broaden capital pools: 144A, REG S, REG D

**World's largest solar developer**, well positioned for industry leading growth

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1. Excluding a small merchant solar capacity of 50 MW
2. Average tariff for locked-in growth of 20.4 GW
3. EBITDA margin from power supply in FY22

**PPA**: Power Purchase Agreement, **ENOC**: Energy Network Operations Centre, **EBITDA**: Earnings before Interest, tax, depreciation & amortization, **OPCO**: Operational Company, **IG**: Investment Grade
Adani and TotalEnergies have a long-term partnership and commitment to expanding the renewable footprint through AGEL

- 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** and ambition to achieve **100 GW of gross installed renewable power generation capacity by 2030**.
- 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** in AGEL and **50% Stake** in Adani Green Energy Twenty-Three Limited (housing 2.3 GW of operating solar projects)
- TotalEnergies has board representation in AGEL and is present on Audit Committee of AGEL

**Embedded Teams in plant O&M and development for exchanging ideas and best practices**

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

R&D: Research & Development; O&M: Operations and Management; LNG: Liquified Natural Gas
1. Through Total Renewables SAS 2. Total Solar Singapore Pte Ltd
AGEL: Leading Renewable Energy player in India

Pan India Presence

- Operational: 5,800 MW
- Under exec./ Near Const.: 11,401 MW
- Under execution: 3,233 MW
- Near Construction: 20,434 MW

Renewable Capacity (in MW)

- 5,800 MW – Operational
- 11,401 MW – Under execution
- 3,233 MW – Near Construction
- 20,434 MW - Locked-in Growth

Source-wise Capacity Breakup (in MW)

- Solar: 647 MW
- Wind: 4,763 MW
- Hybrid: 2,151 MW

100% Contracted portfolio

- 89% Sovereign/ sovereign equivalent rated counterparties

Portfolio spread across 12 resource-rich states and 18 different counterparties

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

1. The indicated location for projects under execution/ near construction is based on current planning and is subject to change.
2. Includes projects for which Letter of Award has been received and PPA is to be signed.
3. Excluding a small merchant solar capacity of 50 MW
4. Includes 6% sovereign equivalent rated counterparties, Gujarat Urja Vikas Nigam Ltd (GUVNL) and Adani Electricity Mumbai Ltd (AEML).
AGEL: Operational Highlights – Q1 FY23

Capacity Addition

- Total Operational Capacity increases by 65% YoY to 5,800 MW
- Commissioned India’s first Solar–Wind Hybrid project of 390 MW at Jaisalmer, Rajasthan

Operational Performance

- Sale of Energy increases by 73% YoY at 3,550 mn units in Q1 FY23 vs. 2,054 mn units in Q1 FY22
- Solar portfolio CUF at 26.5% with 150 bps improvement YoY backed by 100% plant availability
- Wind portfolio CUF at 47.0% with 850 bps improvement YoY backed by 96% plant availability
- Hybrid portfolio CUF at 43.4% backed by 100% plant availability

Other Key Updates

- Investment of ~ USD 500 mn received from Abu Dhabi based International Holding Company PJSC (IHC) as primary capital in AGEL. This helps deleverage the balance sheet, strengthen the credit rating profile thereby helping reduce the cost of capital and support future growth.
- AGEL received ESG score of 66/100, the highest in Indian Power sector, in CRISIL Sustainability Yearbook 2022

Continued Robust Operational performance and steady progress towards ESG commitments
AGEL: Operational Capacity Addition & Sale of Energy – Q1 FY23 YoY

**Operational Capacity (in MW AC)**

- **Hybrid**: 65% increase from 497 to 3,023 MW
- **Wind**: 647 MW in Q1 FY23
- **Solar**: 647 MW in Q1 FY23

**Sale of Energy (mn units)**

- **Hybrid**: 134 units in Q1 FY23
- **Wind**: 665 units in Q1 FY23
- **Solar**: 2,751 units in Q1 FY23

- **Operational Capacity increases by 65% to 5,800 MW**
  - 390 MW Green field commissioning – India’s first solar-wind hybrid plant
  - 1,890 MW inorganic addition in operational solar capacity
- **Sale of Energy increases by 73% to 3,550 mn units** backed by robust capacity addition & robust performance in Solar, Wind & Hybrid portfolios

**Sale of Energy continues to grow exponentially backed by robust capacity addition**

1. Includes acquisition of control of 150 MW operational wind assets from Inox towards the end of March 2022
AGEL: Solar Portfolio Performance in Q1 FY23 YoY

- Improved Solar portfolio performance with ~100% plant availability and value accretive acquisition

- Sale of Energy up by 67% backed by:
  - Capacity increase from 3023 MW to 4763 MW YoY
  - 150 bps improvement in CUF

- Improved CUF performance backed by:
  - Integration of SB Energy Portfolio having a CUF of 28.7% for Q1 FY23
  - 10 bps improvement in plant availability
  - 130 bps improvement in grid availability
AGEL: Wind Portfolio Performance in Q1 FY23 YoY

- Sale of Energy up by 65% backed by:
  - Capacity increase from 497 MW to 647 MW YoY
  - 850 bps improvement in CUF

- Improved CUF performance backed by:
  - Technologically advanced and more efficient newly added Wind Turbine Generators (WTGs)
  - 150 bps improvement in plant availability
  - 80 bps improvement in grid availability
  - Improved wind speed

AGEL’s Highest Ever reported Wind CUF backed by technologically advanced WTGs, improved plant availability & improved wind speed
India’s first Solar–Wind Hybrid project of 390 MW commissioned at Jaisalmer, Rajasthan

- 390 MW Solar-Wind Hybrid project commissioned on May 28, 2022:
  - Solar – 360 MW
  - Wind – 100 MW
- High CUF of 43.4% backed by:
  - Technologically advanced solar modules and wind turbine generators (WTGs)
  - High plant availability
  - High grid availability
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