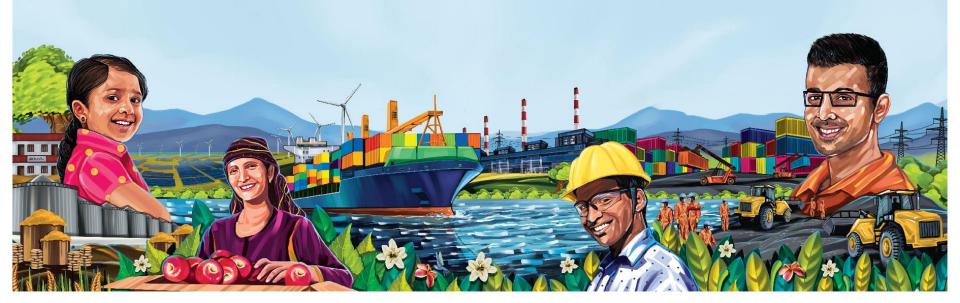


# Adani Transmission Limited Adani Energy Day

December 2019



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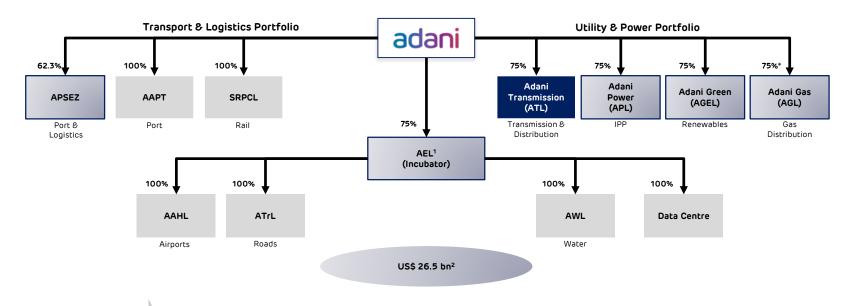
- → Introduction to Adani Group
- Introduction to ATL and Growth Levers
- → Value Creation through Capital Management
- ESG Showcase
- E ATL: A Compelling Investment Proposition



# A) Introduction to Adani Group

# Adani: Leading Infrastructure and Utility Portfolio







- No 1 in Ports, Transmission & Distribution and IPP (Thermal and renewables) in India
- Independent verticals with independent boards Integrating ESG into value creation
- Addressable market size (customers): ~12mn in Adani Transmission, ~10mm in Adani Gas & ~125mn in Airports

# Adani: Repeatable, Robust and Proven business model

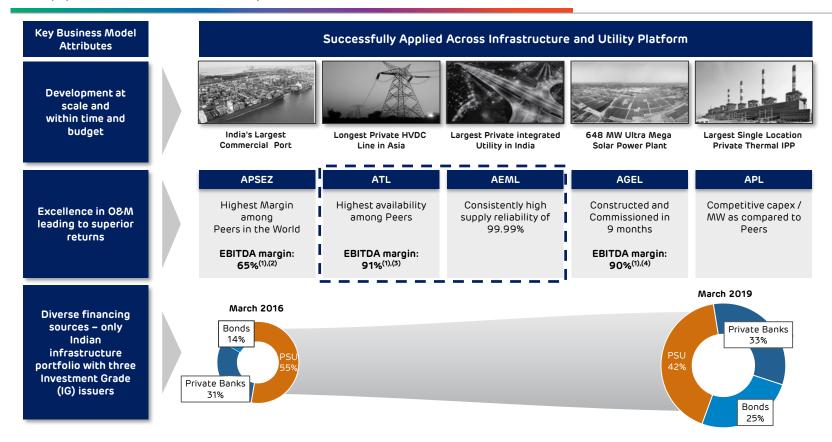


Phase		Development		Operations	Post operations
	Origination	Site development	Construction	O&M and technology	Capital management
Activity	Return based disciplined bidding strategy Target off-taker mix Target fuel mix	<ul> <li>Resource     assessment</li> <li>Connectivity     permits</li> <li>Land acquisition</li> </ul>	<ul> <li>Template based design</li> <li>Strong project management skills</li> <li>Strong vendor engagement</li> </ul>	<ul> <li>RONC based         <ul> <li>analytics and                  intelligence</li> </ul> </li> <li>Real-time                  diagnostics</li> <li>Cluster based                  management</li> </ul>	- Reduction of cost of debt  - Project life-cover based debt funding  - Investor reporting and engagement
Performance	<ul> <li>Portfolio with high quality sovereign equivalent off-takers</li> <li>Diversified fuel mix</li> </ul>	Successfully developing large scale remote site locations	- Complex developments on time & budget e.g. Kamuthi Solar	- Best-in-class performance	- Operations phase funding consistent with asset life  APSEZ, ATL and AGEL - only private sector Infrastructure assets in India with IG rating

Low capital cost, time bound & quality completion providing long term stable cashflow & enhanced RoE

# ...Applied Consistently to Drive Value







# B) Introduction to ATL and Growth Levers

#### ATL manifests Adani's Infrastructure Excellence in T&D business...



**Execution Strength and** Pan India Presence



3 million+ Retail Electricity Households



AEML - One of the best-run 93-year old integrated utility catering to gateway city of Mumbai



765 KV, 400 KV, 220 KV EHT AC Pan-India network & only private sector co. to operate 500 KV HVDC in S-E Asia

Predictable and Annuity Returns



54%/46% ROA / TBCB (2)



31 years/ 17 years

Avg. Residual Concession Life (Transmission/ Distribution)(4,5)



INR 281 Bn/ US\$ 4.0Bn Total Regulated Asset base<sup>(1)</sup> (Fully built)

**Robust Financial** performance and strong Balance Sheet



91% EBITDA Margin (FY19)

~99.84 % Availability (FY19)



INR 117 bn / US\$ 1.7 bn

Approved Tariff Order (Fully Built)(1)



BBB- / Baa3

International Investment Grade Rating(5)

Notes: US\$/INR: 70; (1) Fully built estimate based on regulatory approved tariff and bid based tariff profile of operational, under-construction and under-acquisition projects of Transmission and Distribution business. No upsides have been assumed on account of operational efficiencies; (2) Including under-construction and under-acquisition assets on project cost basis and existing assets on book value basis; RTM - Regulated Tariff Mechanism; (3) S&P: BBB- / Fitch: BBB- / Moody's: Baa3; (4) Average residual concession life for Transmission assets is as of FY19; (5) Operational History of 93 years

# ...Repeatable, Robust and Consumer-centric Business Model...



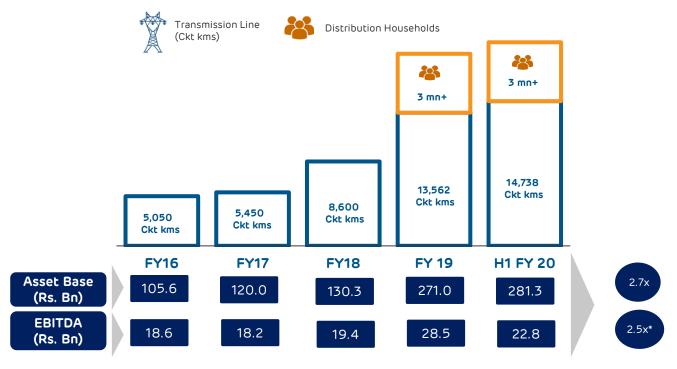
Phase	Development		Consumer-centric Operations		
	Origination	Construction	O&M and Technology	Consumer Engagement	Capital Mgmt
Activity	<ul> <li>Return based disciplined bidding strategy</li> <li>Healthy off-taker mix</li> <li>Moving towards benign fuel mix</li> </ul>	<ul> <li>In-house tailor-made design capabilities</li> <li>Strong project management skills</li> <li>Strong vendor engagement</li> </ul>	<ul> <li>Remote operation of pan-India assets being pursued for enhanced efficiency and higher availability</li> <li>High Focus on reliability of the supply demonstrated by SAIDI, SAIFI and distribution losses</li> </ul>	<ul> <li>Time-bound         Consumer Redressal         Mechanism</li> <li>Integrating         Consumer Service         through Web, Chat-         bot, Mobile App and         Social Media</li> <li>Consumer Data         Analytics to improve         process efficiency</li> </ul>	<ul> <li>Reduction of cost of debt</li> <li>Project life-cover based debt funding</li> <li>Investor reporting and engagement</li> <li>AEML: Investing significantly towards network strengthening</li> </ul>
Performance	54% of total     Transmission     portfolio EBITDA     with high quality     sovereign     equivalent off-     takers	Longest Private     HVDC Line (± 500     DC) in Asia ~ 1,980     ckms from Mundra-     Mohindergarh	<ul> <li>Availability higher than national avg. and AT&amp;C losses well below national avg.</li> <li>AEML – Robust network with supply reliability of 99.99%</li> <li>Consistent improvement in AT&amp;C losses, SAIDI and SAIFI metrics resulting into lower outage</li> </ul>	<ul> <li>AEML emerging as a 'supplier of choice' for consumers</li> <li>Enabled AEML as a significant power off-taker under parallel licensing in Mumbai</li> </ul>	Ops phase funding consistent with asset life  ATL only private sector transmission and distribution company in India with International IG Rating

# ...Delivered ~2.5x EBITDA Growth over 3.5 years



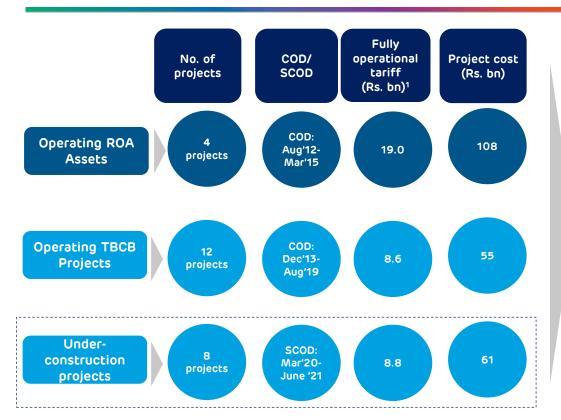
#### A platform well-positioned to leverage growth opportunities in the market

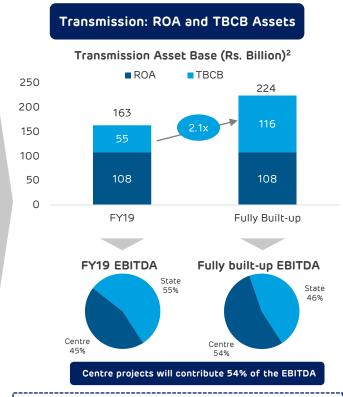
#### ATL's "Grid-to-Switch" Integrated Platform



# ATL: Growth through TBCB pipeline





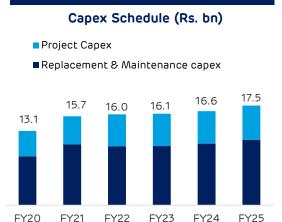


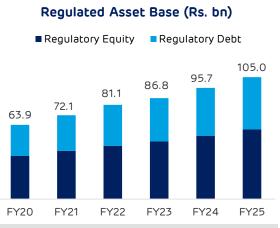
Further growth in Transmission from strong TBCB pipeline

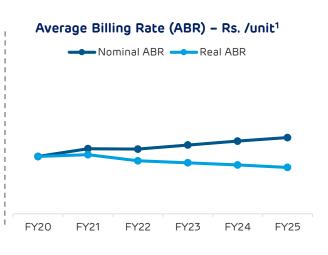
# **AEML: Utility Business Growth**



#### AEML regulated growth opportunities







Capex plan of ~Rs.95 bn for FY20-25

Self-contained growth in AEML through capex while maintaining affordable tariffs through optimum power purchase, consumer growth and best O&M practices

#### AEML unregulated growth opportunities

**Efficient** Appliances and Demand side Management (DSM)

Smart Home **Products** 

E-security and **Entertainment** on-demand

Fiber-to-Home

Safety and Energy Audit at places of congregation and consumers

One Adani-One Service



# C) Value Creation through Capital Management

# ATL: Value Creation through capital management



#### Capital management philosophy

Raising project finance debt for under-construction assets from Indian / Foreign banks on non-recourse basis

#### Refinancing of operating project debt for

- Lower cost
- Longer maturity
- · Distribution friendly covenants
- Infra capital management has released equity for growth requiring no additional capital

Strategic divestment of minority stake in operating assets

#### Leading to prudently levered structure

Total debt Rs. 258 bn

**RAB** Rs. 309 bn

#### Total Debt to Regulated Assets(1)

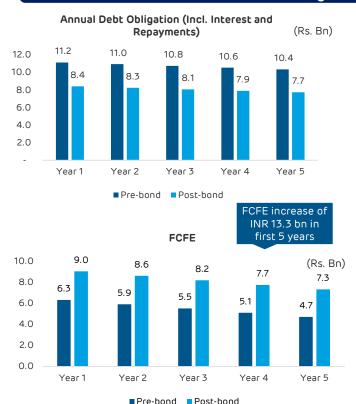
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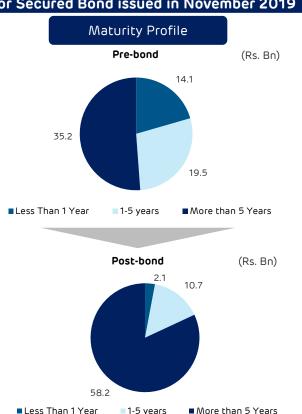
- Prudently levered portfolio with a huge runway for growth
- Enabling self-funded value accretive growth

# Case Study 1: ATL Obligor Group US\$ Bonds



#### Extinguished capital refinancing risk by long-term US\$500mn 4.25% 16.5yr Amortizing Senior Secured Bond issued in November 2019





Releasing Equity to Pursue Future Growth

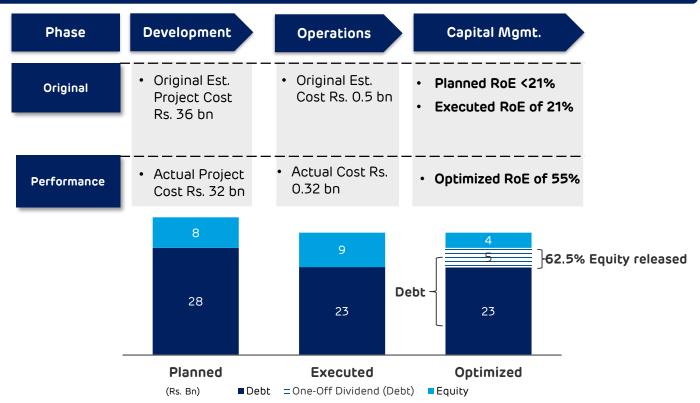
Short-term balance refinance obligation is less than 5% of EBITDA

Extended Maturity, Back-ended Repayment

### Case Study 2: Leveraging Group's Infra Philosophy – Execution, O&M and Capital Management to create immense shareholder value



#### Fully funded Value Creation by Capital Management releasing Equity for Growth Commanding Higher Multiples





# D) ESG Showcase

# ATL ESG Philosophy





- > Reduction of carbon footprint
  - > Increase in Renewable procurement for the distribution business to be compliant with the Paris Accord at company level and also promotion of Roof Top Solar
  - > Rooftop Solar power of 1.83 MW for aux consumption at all substations of ATL
- > Resource Management
  - > Rain water harvesting at substations
  - > Compact substations in distribution business (Elevated & Underground substations)
- ➤ Waste Management
  - > 100% fly ash utilization at Dahanu plant



- > ATL in association with Adani Foundation participates in various social upliftment activities
  - > Education Adani Vidya Mandir and Adani Public school provide subsidized education
  - > Community Development Association with NABARD covering 11 villages of Dahanu, 1000 land owning families, Creation of self help groups for women
- > Safety for employees HT / LT Arc Flash suits, Cable Avoidance Tool and other modern equipment provided to field employees  $\rightarrow$  0 Fatalities in FY19
- > Safety for 12 mn consumers awareness through Electrical Safety Week, Electrical safety Video; Safety Audit of places of congregation; #SafetyCulture
- > Skilling for needy women through Indian Institute of Women Skills



- Bankruptcy Remote Structure for 8 SPVs including AEML
- > ATL has board independence at listed company level including Audit committee of only independent directors (5 SPVs incl. AEML have independent directors as well)
- Rigorous audit process followed
  - > Quarterly audit conducted on 15 parameters across all subsidiaries
  - > Key Issues are brought to the management's notice and resolution timelines are decided regarding the same
- > Stricter implementation of related party transactions policy

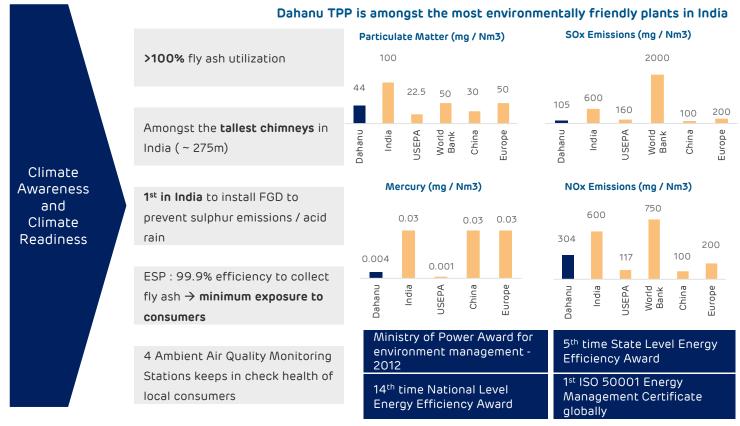
# ATL – Environment awareness and initiatives



	ATL recognizes that below envi	ironment related factors have major	d factors have major impact on its business model		
Climate Awareness	Carbon Emissions	Resource Management	Waste Management		
Climate Readiness	Reduction in Carbon Footprint  ➤ Technology Driven:  ✓ Increase in Renewable procurement for the distribution business  ✓ Promotion of Roof Top Solar at Mumbai  ✓ Rooftop Solar power of 1.83 MW for aux consumption at all ATL substations	Resource Management  > Water – Rainwater harvesting at substations  > Land – Compact substations in distribution business (Elevated & Underground substations)	Waste Management  Fly ash -100% fly ash utilization at Dahanu plant  '5S" at all locations		
Climate Alignment	We are moving into the next stage of sust environment and measuring GHG emission  - Evaluating & planning for climate ch  - Efficient Energy Solutions for 12 mr  The company has aligned its business plan  - Research & Development for Design  - Biodiversity Management & Conserv  - Optimization of water & energy conserved	ns nange driven adversities n Mumbai consuming population n and is investing in below activities for driven Efficiency vation	· ·		

# AEML Dahanu Plant Case Study Climate management system amongst the best in the country





# AEML to be Cop 21 compliant DISCOM by 2022



#### AEML to procure 30% of power from renewable power sources, change implemented within a year of acquisition

Climate Awareness and Climate Readiness

Climate Alignment

12x growth in renewable power procurement

**FY19** 

~ 280 MUs

3% of total power mix



**FY22** 

3,300 MUs

30% of total power mix

#### Current

- Presently, renewable energy sources contribute ~280 MUs of power procurement mix of AEML (~ 3% of total energy procured)
- Since the FGD installation in 2007, DTPS has been generating power in strict environmental compliance

#### Ongoing initiatives

Recently concluded bid for 700 MW renewables procurement. AEML is on path to procure 3,300 MUs of renewable power by 2022 (10x from present 280 Mus)

Serving ~12 Mn consumers in compliance with COP 21 target

Equivalent to making the population of Norway and Finland put together, COP 21 compliant.

AEML has taken steps for climate alignment to be compliant with the COP21 targets ahead of schedule

# Adani Transmission – Serving Community and bettering lives

#### Education

- ATL in association with Adami Foundation has been providing quality education to the underprivileged community
- Adani Vidya Mandir for free and quality education to > 2,100 students annually
- Adani Public School providing subsidized education

#### **Community Related**

- Supplementary livelihood opportunity to fisherfolk community
- Creation of self help groups for women
- Mobile health care units, rural clinics and other medical facilities, serving more than 400,000 people annually
- Association with NABARD covering 11 villages of Dahanu ,1000 land owning families
- 835 candidates trained (773 employed in garments)





#### **Employee Safety**

- HT / LT Arc Flash suits to protect against flashover hazards
- Cable Avoidance Tool to detect the depth of live underground cable
- Internal training & awareness programs
- O fatalities reported in FY19
- #SafetyCulture

#### **Consumer Safety**

- Electrical Safety Week in association with Industrial Labour & Energy department, Maharashtra
- Mahacharcha (National Debate)
   sponsored by AEML broadcasted on National Television
- Electrical safety Video prepared by AEML shown across the Maharashtra
- Safety Audit of all places of congregation





# ATL's Governance – Journey so far and future glide path



We have charted a glide path to internalise global best practices of governance by September 2021

# CORPORATE BEHAVIOUR

#### **JOURNEY SO FAR**

Structure for 8 SPVs including AEML, with no cross securities nor cross quarantees

#### Internal Audit Framework

Quarterly Audit conducted on 15 parameters across all subsidiaries, Key Issues highlighted, resolution timelines fixed

#### Compliance Framework

> IT enabled Compliance Management tool for automated monitoring and reporting to senior management

#### **Policies**

- > RPT policy applicable at listed co.
- > Anti Corruption for employees of all subsidiaries monitored by Vigilance officer

#### Board Constitution

- ➤ Listed Co. 3 independent directors
- > Subsidiaries 5 SPVs incl. AEML have independent directors

#### **Board Committees**

- > Audit committee with all 3 independent directors
- > 4 out of 6 committees have independent directors

#### Senior Management Remuneration

> Industry benchmarked remuneration, optimal mix of fixed and performance linked pay for long term objectives







#### **TARGET BY SEP 2021**

All transactions between ATL and its SPV's - with highest standards of Governance

#### **Policies**

> RPT policy applicable to all subsidiaries

#### **Board Constitution**

> Independent directors at all subsidiaries' board

#### **Board Committees**

> All committees at listed co. and subsidiary level to have independent directors

To replicate ATL's governance model to the extent applicable to other group subsidiaries

# CORPORATE

# ATL Case Study Internal Audit enabling corporate assurance



- Depending on the quarters, audit tests are conducted on different parameters (out of total 15)
- In Q2FY20, audit test performed for effectiveness of internal controls on the following parameters
  - Operations
  - Plant Maintenance
  - Inventory Management
  - Safety

#### Below are some of the issues identified in Q2FY20 audit and corresponding action plans for resolution

Parameter	Issue	Resolution Action Plan
Plant O&M Related	<ul> <li>ATIL, MEGPTCL, ATSCL and MTSCL</li> <li>Mismatch in patrolling activity as per system against staff attendance records</li> <li>Preventive Maintenance (PM) closed as completed without performing activity</li> </ul>	<ul> <li>To explore locking of attendance through IT enabled application</li> <li>Any deviation in the PM schedule/process, shall be approved by Head O&amp;M</li> </ul>
Safety Related	<ul> <li>ATIL, MEGPTCL, ATSCL and MTSCL</li> <li>During site visit, it was noted that the gravel content was less than the required quantity at the substation area</li> </ul>	Switchyard immediately cleaned and necessary gravel level reinstated



# E) ATL: A Compelling Investment Proposition

# ATL: A Compelling Investment Proposition



Growth

Mature Business Delivering Shareholder Value

Strong Cash Flow and Accretive Value Creation

Performance



Financing Competitiveness; Internal Accruals Led Growth

Integration of In-Organic Ventures

> Risk Management Capabilities

Advanced Technology



Growth with Goodness

# Thank You

