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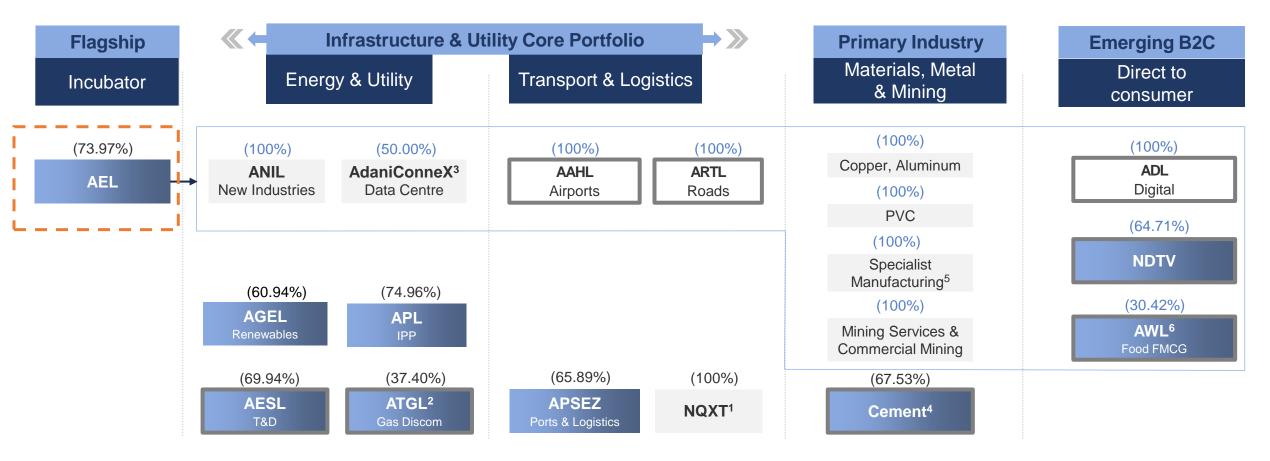
# **Executive Summary**

Adani Enterprises Limited ("AEL")

## Adani Portfolio: A World class Infrastructure & Utility portfolio



## adani



(%): Adani Family equity stake in Adani Portfolio companies (%): AEL equity stake in its subsidiaries Listed cos

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

**Direct Consumer** 

1. NQXT: North Queensland Export Terminal | 2. ATGL: Adani Total Gas Ltd, JV with Total Energies | 3. Data center, JV with EdgeConnex, | 4. Cement includes 67.53% (67.57% on Voting Rights basis) stake in Ambuja Cements as on 31st December, 2024 which in turn owns 50.05% in ACC Limited. Adani directly owns 6.64% stake in ACC Limited. Ambuja Cements Ltd. holds 58.08% stake in Sanghi Industries Ltd. | 5. Includes the manufacturing of Defense and Aerospace Equipment | 6. AEL to exit Adani Wilmar JV, diluted 13.50% through Offer For Sale (13th Jan'24), residual stake dilution is pursuant to agreement between Adani & Wilmar Group. | 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; ANL: Adani Wilmar Limited; ADL: Adani Wilmar Limited; ADL: Adani Digital Labs Pvt. Limited; IPP: Independent Power Producer | NDTV: New Delhi Television Ltd | PVC: Polyvinyl Chloride | Promoter's holdings are as on 31st December, 2024.



## Adani Enterprises Limited ("AEL"): Unprecedented Value Creation with robust cashflow



#### AEL has a tremendous value creation track record

Performance since listing in 1994

A shareholder of AEL in Nov 1994 holding 1 share equivalent to INR 150 per share....

**INR 150** In Nov 1994



INR 570,659

In March 2025

**Effective Share Price Growth** 

CAGR Delivered by

VS

10%

CAGR Delivered by **BSE SENSEX** 

...today holds 80 shares AEL, 113 shares APSEZ, 149 shares APL, 80 shares of AESL, 61 shares of AGEL & 80 shares of ATGL, valued @ 3,804x in 30 years

Above analysis for a shareholder entering in Apr 2014 till date shall yield a CAGR of 31% (15x in 10 years) vs. BSE SENSEX CAGR of 10%

## Past Incubation Success Stories: Creating Cashflow Unicorns

|   | Overview  | Market<br>Cap <sup>1</sup> | LTM 9M FY25<br>EBITDA |
|---|---|----------------------------|-----------------------|
| Ports and Logistics                                     | Largest transport utility in India with 29% market share of EXIM Cargo in India                             | \$29.9b                    | \$2.3b                |
| Demerged: 2015  adani  Energy Solutions  Demerged: 2015 | India's largest private energy solution company with transmission, distribution & smart metering businesses | \$12.2b                    | \$0.8b                |
| Power Demerged: 2015                                    | Largest private base load power producer in India with an installed capacity of 17,550 MW                   | \$23.0b                    | \$2.8b                |
| Renewables  Demerged: 2018                              | India's largest and one of the leading renewable energy companies globally enabling clean energy transition | \$17.6b                    | \$1.2b                |
| Gas Demerged: 2018                                      | Largest CGD business with presence across 52 GAs touching 15% of India's population                         | \$7.7b                     | \$0.1b                |

#### Total for all businesses demerged out of AEL since 2015

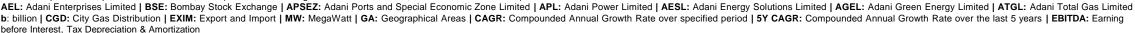
\$90.4b

5Y CAGR

\$7.2b

+28% 5Y CAGR

<sup>1</sup> Market Cap and share price as on 28th March, 2025 | USD/ INR Exchange Rate as on 28th March, 2025: INR 85.5814/ USD | LTM 9M FY25 EBITDA CAGR = 4.75 Yr CAGR





## **AEL:** incubating businesses that address key economic bottlenecks



## The Colossal Growth Opportunity of India

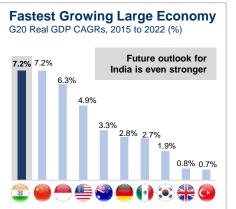
#### **Key Notes:**

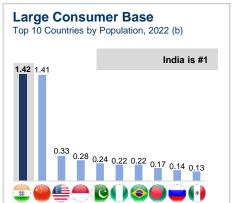
- India's economy grew at 7.2% in FY24
- India's growth and Structural need drive AEL's focus in
  - indigenisation of energy (ANIL, Datacenters) and
  - logistics (Airports, Roads); and
  - key materials
     (Primary Industry )

**Sources:** World Bank, Government of India, Deloitte 2024, CareEdge Industry Report, Union Budget 2024-2025, RedSeer, Jeffries Research Report on Datacenters

GDP: Gross Domestic Product | CAGR: Compounded Annual Growth Rate | kWh: kilowatt hour | CAD: Current Account Deficit | Bal: Balance | Cur a/c: Current Account | UPI: Unified Payments Interface | b: billion

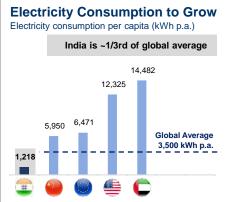
#### Fastest growing economy + large consumer base....





India Economic Growth + Large Consumer Base → Airports, Roads, Digital

## Decarbonisation & Atmanirbhar bharat is the focus...



Explosive growth in power generation, transmission and distribution sectors

#### USD b **'23** '24 '22 Goods Bal (189)(265)(242)Petroleum Bal Services Bal 108 143 163 Trade Balance (82)(122)(78)Net remittance 43 55 56 Cur a/c Deficit (39)(67)(23)

**Decarbonisation Drive and** 

Focus on reducing CAD

Green Hydrogen, Primary industry (Cu, PVC, RE Mfg), driving indigenization of CAD

#### ...needs critical infra in transport and logistics







Scaled Road network to drive lowering of logistics cost

#### ...with fully developed Indigenous digital stack

## India' Indigenous Digital Stack

Identification Layer AADHAAR

Transaction Layer UNIFIED PAYMENTS INTERFACE

DigiLocker
Your documents anytime, anywhere

Apps



Digital Stack → Primary Data Generation → Data Localisation ....

#### Digital Transactions under UPI Umbrella

156 b

# of transactions in India in FY24

>45%

Global Market share of India in digital transactions (2022)

RBI has localized data by restricting storage in India → Datacenter Demand exploding

...+ Al → Datacenter Demand → Power Demand





## **AEL:** poised in multi trillion dollar growth opportunity



| Business   | <b>Current Scale</b>                         |   | Growth  | Pathway   | Theme                                   |  |
|--|--|---|---|---|---|--|
| Airports<br>(Adani Airport Holdings Ltd.)                        | 300m+ consumers <sup>(1)</sup><br>93m pax    |   | 550m+ consumers <sup>1</sup><br>> 150m pax<br>(2028)  | <ul> <li>Portfolio of 8 Airports controlling over 50% of top 10 domestic routes</li> <li>23% of Indian Air Traffic, ~33% Cargo</li> </ul>   | Transport<br>and<br>Logistics           |  |
| Roads<br>(Adani Road Transport Ltd.)                             | 5,351 lane kms                               |   | >12,000 lane kms<br>(2030)  | <ul> <li>Long term yield assets with concession period of 15 - 20 years</li> <li>Balanced target portfolio with 60% traffic and 40% annuity assets</li> <li>Building India's largest road concession – Ganga Expressway</li> </ul>  | Critical<br>Infra                       |  |
| Green Hydrogen<br>RE Supply Chain<br>(Adani New Industries Ltd.) | Solar Manufacturing of<br>4.0GW<br>WTG 1.5GW | • | Integrated Green Hydrogen Value Chain Solar – 10GW (2027) WTG – 4GW (2027) GH <sub>2</sub> – 2.1MT (2034) | <ul> <li>Deliver least cost green electron → Cheapest green H2</li> <li>Decarbonization of industrial and mobility sectors</li> <li>Solar Mfg - India's first Ingot-Wafer plant 2 GW operational Mar-24</li> <li>Wind - Included in RLMM by MNRE; 1.5 GW operational</li> </ul> | Energy<br>Transition,<br>Address<br>CAD |  |
| Data Center<br>(AdaniConneX Ltd.)                                | 211+ MW of operational and UC data centers   |   | 1 GW<br>(2030)  | <ul> <li>50:50 JV with EdgeConnex to develop data centers in India</li> <li>37 MW operational and 174 MW under construction</li> </ul>  | Digital<br>Stack                        |  |
| Primary Industry   | MDO – 35 MTPA<br>Cu – 0.5 MTPA<br>PVC – UC   | • | MDO – 100 MTPA<br>Cu – 1 MTPA<br>PVC – 2 MTPA (2028)  | <ul> <li>Copper Smelter (0.5 MTPA) in Mundra targeting lowest cost production driven by green power operationalized in 2024</li> <li>PVC plant (1 MTPA) is under execution in Mundra</li> <li>Make In India themed businesses, targeting import substitution</li> </ul>         | Address<br>CAD<br>Import Sub            |  |
|  |  |   |   |   |   |  |

AEL's incubation pipeline is focused on Critical Sectors Driving India's Infrastructure and Industrial Economy

AEL key focus is now on managing the execution and O&M aspects with the backing of Adani Portfolio's stellar project execution experience

AEL an Indian Infrastructure incubator: Opportunity to Invest in Multiple Incubation Businesses with Visible, Robust Growth Profiles

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



#### **DEVELOPMENT**

#### Adani Infra (India) Limited (AIIL)

#### Origination

- · Analysis & market intelligence
- Viability analysis

#### Site Development

- · Site acquisition
- · Concessions & regulatory agreements

**Longest Private HVDC** 

(Mundra - Mohindergarh)

**Duration** Risk Matching

Governance & Assurance

**Diversified Source of Capital** 

Risk Management - Rate & Currency

Line in Asia

**Investment Case** 

Development

#### Construction

World's largest

(at Khavda)

Framework

Renewable Cluster

Growth Capital - Platform

Infrastructure Financing

- · Engineering & design
- Sourcing & quality

#### **OPERATIONS**

#### Operations (AIMSL)

#### Operation

- Life cycle O&M planning
- Asset Management plan



**Energy Network** 

#### **Inspired Purpose & Value Creation**

 Delivering exceptional products & services for elevated engagement

**CONSUMERS** 

New C.E.O.

Consumer | Employees | Other Stakeholders

· Differentiated and many P&Ls

**India's Largest Commercial Port** (at Mundra)

Strategic value Mapping

ERFORMAN

ABI

Policy. Strategy & Risk Framework

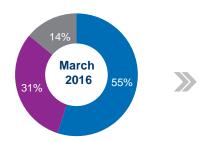
Continued Focus & Investment



**Human Capital Development** 

- · Investment in Human Capital

**Operation Center** (ENOC)



Al enabled Digital Transformation





Userbase



- · Leadership Development Initiatives

- · Power Utility Business ENOC
  - · City Gas Distribution SOUL
  - · Transportation Business AOCC

## **AEL:** Adani Incubation Platform - "INDIA Story" Encompassed



#### Proven track record of successful incubation

- AEL, as an incubator of new businesses has over the last three decades:
  - seeded new businesses and developed them into scaled market leaders in emerging sectors; and
  - subsequently demerged them into independently listed platforms, thereby unlocking
  - past track record includes market stalwarts viz. APSEZ. AGEL, AESL, ATGL and APL
- AEL's current incubation portfolio includes Airports, Green Hydrogen, Data Centers, Road, Copper, Digital and other businesses.
- AEL's high current cashflow generation (H1FY25 EBITDA -₹ 8,654 Cr) and robust incubation pipeline will further accelerate value creation for AEL's shareholders

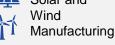
#### **Current pipeline of scalable businesses**

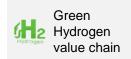


**Airports** 

Roads







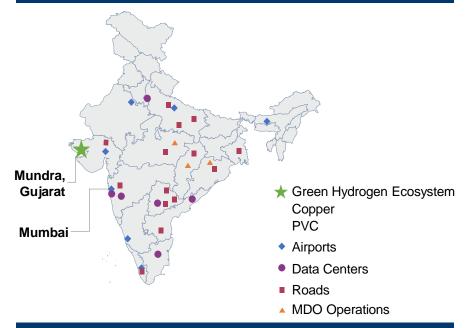


**Primary** Industries

Data

Centers

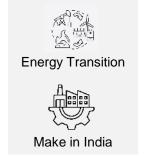
#### Diverse set of assets across India



## **Key Macro Themes**



India Growth Story & expanding Middle class





## **Key Operating Metrics**

8 | **89**m

Airports | pax p.a.

Navi Mumbai Airport **Under Construction** 

4gw | 1.5gw

Solar | Wind Manufacturing

6 | 211<sub>MW</sub>

Data Centers locked in

5 Under Construction

14 | 5,351

Roads | Lane Kms

8 Under Construction

## **Key Financial Metrics** (9MFY25)

₹12.919 Cr

**EBITDA** 

▲ +29% YoY

₹21,702 Cr

Capex

▲ +89% YoY

₹1,13,777 Cr

Gross Assets

+23%<sup>1</sup>

₹48,603 Cr

Net Debt

**▲** +56%¹



Cr: Crores | GW: Gigawatt | MW: Megawatt | EBITDA: Earning before Interest, Tax Depreciation & Amortization | APSEZ: Adani Ports and Special Economic Zone Ltd. | AGEL: Adani Green Energy Ltd. | AGEL: Adani Energy Solutions Ltd. | ATGL: Adani Total Gas Ltd. | APL: Adani Power Ltd. | AEL: Adani Enterprises Ltd. | MDO: Mine Developer & Operator

## **AEL:** Financials summary



| Income Statement               | FY22A    | FY23A    | FY24A    | 9M FY25A |
|--------------------------------|----------|----------|----------|----------|
| Revenue                        | 65,309   | 1,28,734 | 98,282   | 72,763   |
| EBITDA                         | 4,570    | 10,012   | 13,237   | 12,377   |
| EBITDA Margin (%)              | 7.00%    | 7.78%    | 13.47%   | 17.01%   |
| Interest Costs                 | 2,473    | 3,969    | 4,555    | 4,182    |
| Depreciation                   | 1,248    | 2,436    | 3,042    | 2,975    |
| Profit After Tax               | 698      | 2,464    | 3,240    | 3,254    |
| Cash PAT                       | 1,946    | 4,900    | 6,282    | 6,229    |
| Balance Sheet                  | FY22A    | FY23A    | FY24A    | 9M FY25A |
| Net Worth                      | 26,928   | 37,890   | 44,186   | 52,970   |
| Shareholders' Sub-Debt         | 12,541   | 10,544   | 12,090   | 17,178   |
| External Debt                  | 28,483   | 27,776   | 38,035   | 54,436   |
| Total Liabilities              | 74,832   | 1,03,598 | 1,16,546 | 1,38,295 |
| Gross Fixed Assets             | 57,237   | 86,403   | 1,09,740 | 1,32,384 |
| Net Fixed Assets               | 34,103   | 63,207   | 79,227   | 84,995   |
| CWIP                           | 19,564   | 17,699   | 21,931   | 34,795   |
| Annual Capex cash outflow      | 11,647   | 14,725   | 22,366   | 23,992   |
| Cash & Equivalents             | 3,979    | 5,539    | 8,523    | 7,848    |
| Net Current Liabilities        | 12,904   | 7,781    | 7,532    | 10,180   |
| Total Assets                   | 1,01,760 | 1,41,488 | 1,60,732 | 1,91,265 |
| Key Multiples                  | FY22A    | FY23A    | FY24A    | 9M FY25A |
| Net External Debt / EBITDA (x) | 5.36     | 2.22     | 2.23     | 3.76     |
| Net External Debt / FFO (x)    | 13.88    | 3.47     | 3.73     | 6.24     |

#### Key highlights

#### Key business update: 9MFY25

#### Airports

- Pax movements 69.7 Mn, 7% YoY
- 28 New Routes, 16 New Airlines and 35 New Flights
- Navi Mumbai completed commercial flight validation

#### ANIL

- Module sales ~3.3 GW, 74% YoY
- Wind business offerings to four listed WTG models
- 400<sup>th</sup> blades production milestone achieved

#### Roads

- 7 out of 8 under construction projects are more than 60 % completed
- PCOD -1 BOT & 1 HAM received
- Ganga Express to go live by FY26

#### Others

- Ph 1 of HYD DC (10MW) operational
- Pune DC completion crossed >50%.
- Mining Services: Prod vol 31 MMT, 47% YoY

#### Rating Rationale - Key highlights

- AA-/Stable (LT) & A1+ (ST) by ICRA and CARE
- Successful incubation and funds raising track record of AEL
- Strong operating performance of ANIL, Roads and Airports
- Dominant position in Integrated resource management business 30%+ mkt share
- Strong liquidity position & Improved liquidity position from 100% exit of AWL

#### **Key Milestones for next 12 months**

- Operationalization of Navi Mumbai airport
- Stake sale of remaining 30.42% of AWL, post regulatory approvals
- Stabilization and capacity ramp up in copper business
- Completion of majority of road projects including Ganga expressway



# 22

# **Transport and Logistics Business**

Airports: Adani Airport Holdings Limited ("AAHL")

## Adani Airports Holdings Limited ("AAHL"): Overview



70m Pax

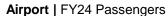
89m Pax (FY24)

**Key Operating Metrics** (9MFY25)

### **India's largest Airport Operator**

- Adani Airports is India's largest airport operator with eight airports and a market share of c. 23% in passengers and c.33% in air cargo
- 6 Airports have concession life of 50 years, MIAL till 2066, NMIAL upto 2078\*
- Navi Mumbai International Airport (NMIA) is under construction with a total capacity of 90m pax
  - Phase 1 of 20m pax is on track for completion by March 2025, balance in phases by 2033-34
- Adani Airports is poised for explosive growth on back of underlying growth in air traffic, enhancement of non-aero revenues and city side development (CSD) potential being unlocked (AAHL plan for Phase 1 – 20m sq ft, overall plan 150m sq ft)

## Adani Airports across India Lucknow | 6.2m Jaipur | 5.5m Ahmedabad | 11.7m **Mumbai** | 52.8m Navi Mumbai | Under Construction Guwahati | 6.0m Mangaluru | 2.0m Trivandrum | 4.4m



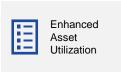
## Navi Mumbai Airport Under Construction (UC) 465k 0.8MMT Air Traffic Movements Cargo ▲ +6% YoY ▲ +31% YoY **Key Financial Metrics** (9MFY25) ₹7,393 Cr ₹2,527 Cr Revenue **EBITDA** ▲ +26% YoY ▲ +42% YoY ₹ 47.033 Cr **Gross Assets** ▲ +17%<sup>1</sup>

8

Airports



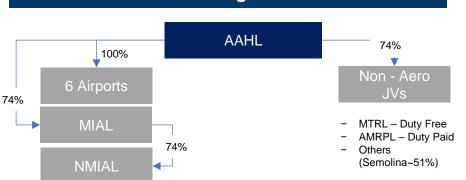












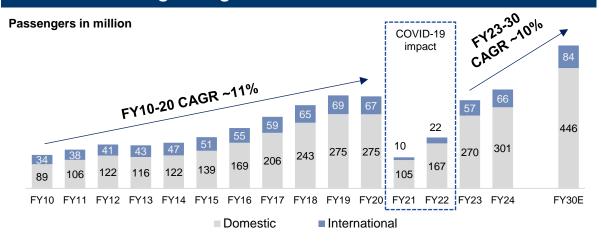
**AAHL Holding Structure** 

Assuming extensions as per the concession agreement and rebidding of 20 years <sup>1</sup> from Mar'24 <sup>2</sup> Excludes NMIAL

## AAHL: Market Outlook - India is the fastest growing aviation market in the world

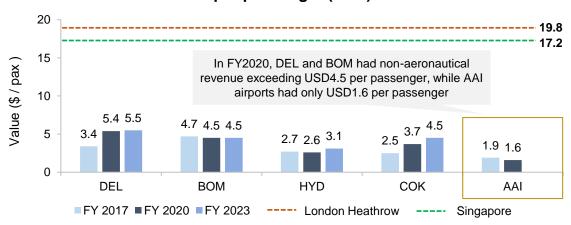


#### India – Fastest growing aviation market over the last decade...



## **Private Airports Successfully Augmenting Non-aero Revenues**

#### Non-aeronautical revenues per passenger (USD)



### ...with strong indicators of future growth

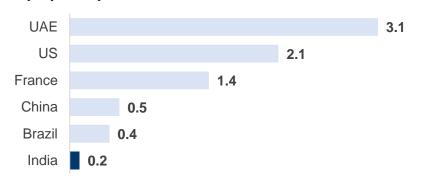
CAGR (2018-40) – Top 10 fastest growing Asia Pacific aviation markets by pax



- India remains one of the least penetrated aviation market in the world
- Asia Pacific is poised to be the top contributor ~37.3% of the world-wide traffic growth
- India is estimated to grow at the second highest CAGR of 6.1% during 2018-40

#### **Huge Potential Due to Current Under-penetration**

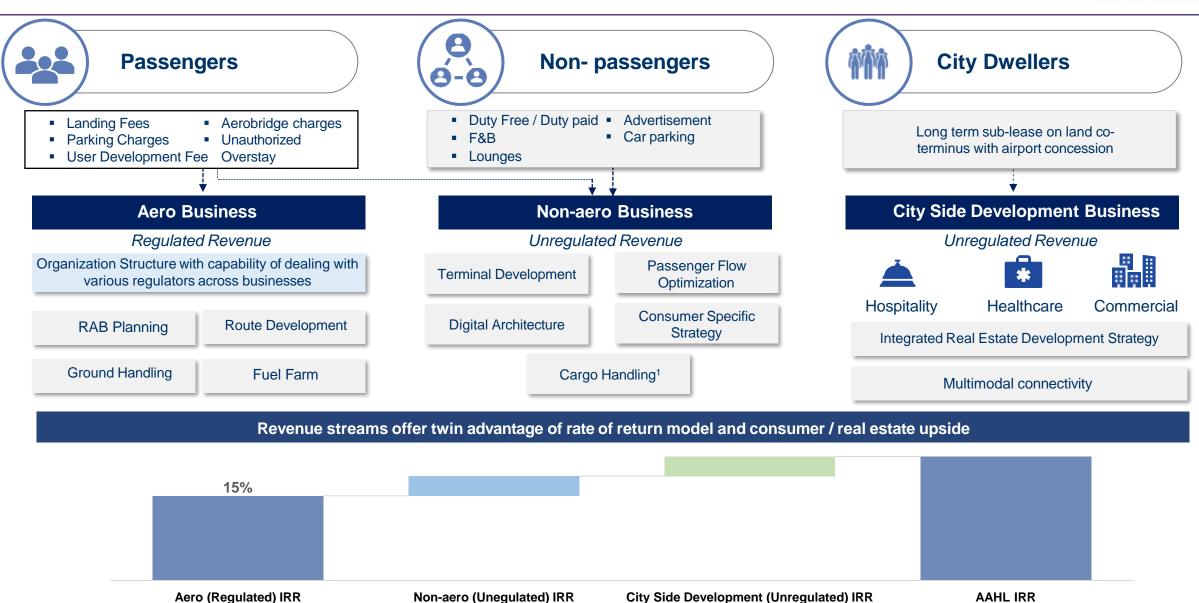
#### Trips per capita



Explosive growth projected in underlying air traffic driven by the economic growth and under penetration compared to comparable peers

## **AAHL:** Commercial Model

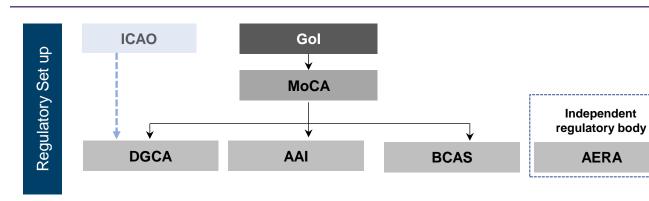




<sup>&</sup>lt;sup>1</sup> Cargo Handling classified as Non-aero business for Mumbai and Aero-business for Ahmedabad, Lucknow, Guwahati, Mangaluru, Trivandrum and Jaipur as per Concession Agreement IRR: Internal rate of return | RAB: Regulated Asset Base

## **AAHL:** Stable and mature regulatory framework



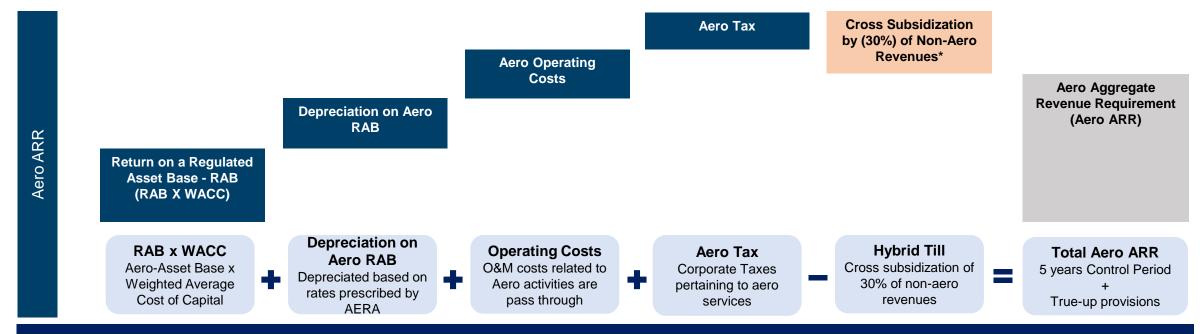


Well-Defined Model Regulatory environment has evolved to become more mature and efficient

Matured and well-defined Tariff setting process, stakeholders are consulted throughout to ensure buy-in

**New concessions** address issues faced in earlier concessions

Typical control period is for 5 years



Adani Airports operate in an evolved regulatory framework, under which AERA has setup tariffs for all major airports



## Focused on route development and stakeholder management to sweat airport assets to the fullest



De-bottlenecking and capacity expansion

Focus on smart planning of airside and terminals

Leveraging group's execution excellence



Asset Utilization

- Shifting of Peak Hour by "Head & Shoulder Strategy"
- Tech enabled operations
- **Premiumization** of route mix
- Leveraging platform network strength



Customer Experience

- Tech enabled maintenance to ensure maximum uptime
- Sharp focus on ensuring highest operating metrics
- Creating transparency for customers

Long term economic alignment with all stakeholders

Ensuring regulatory rate of return on assets created

Generating brand value by efficient planning and operations

Driving higher non-aero revenue growth by sweating capacity

**Safety** 

Security

**Sustainability** 

**Yield Planning** 

Capex planning to work cohesively with tariff rate strategy to ensure sustainable long-term tariffs

## **AAHL:** Non-Aeronautical Business - Deep Dive



## Non aero strategy designed to increase footfalls & provide high quality services through strategic partnerships with reputed 3rd parties



- Develop new channels for sales (airport e-commerce)
- Anticipating consumer wants
- Reduce anxiety across consumer journey



- Develop options for non- passenger sales
- Create hub to extend to individuals and enterprises
- Channels to rethink customer from cloud to curb
- Expand beyond the airport



- Focus on increasing area for monetization both within & outside terminal
- Terminal Extension to increase commercial footprint



- Engage with consumer at every touchpoint
- Introduce exclusive brands to deliver high value
- Leverage digital and data to upsell/ cross sell



## **AAHL:** City Side Development - Third Pillar of growth, city dwellers to drive revenue growth



#### 640 acres

City Side Development

Across 8 airports

#### 420 acres

City Side Development

MIAL + NMIAL

150 m sq. ft Total area, City

Side Development

Across 8 airports

20 m sq. ft

Phase I by 2028

Across 8 airports



**Hotels** 

- Total 5.1 m sq ft
- 18 hotels 3 Five-Star hotels, 10 Four-star hotels, 5 Three-star hotels
- Total no of keys 4,500 keys



Retail

- Total 4.2 m sq ft
- Retail 7 retail locations, 2.6 m sq ft
- F&B 9 zones, 1.1 m sq ft.
- Multiplex 66 screens, 0.5 m sq ft.

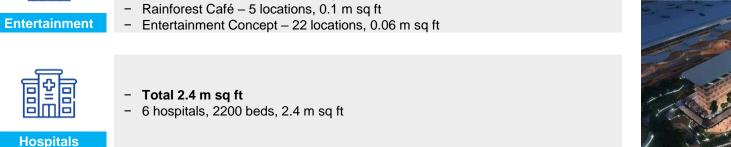


- Total 5.4 m sq ft
- Flexi Office 3.4 m sq. ft.
- Grade A 1.4 m sq ft
- Premium 0.5 m sq ft



- Total 2.7 m sq ft
- Aquarium 8 locations, 0.5 m sq ft.
- Entertainment Concept 13 locations, 0.2 m sq ft
- VR Park 5 locations, 0.29 m sq ft







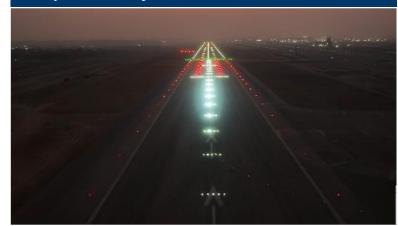




## **AAHL:** Navi Mumbai Airport - Largest Greenfield Airport in Asia - Construction Update Photos



Southern Runway, Rapid Exit Taxiway, Drainage system completed, ILS26 Calibration test completed – July 2024







Sh. GSA visited NMIAL site on 15<sup>th</sup> March-25 after the first commercial flight validation test





Terminal Building – West Pier, Head House, East Pier



Cargo Area & GA Apron with drain works



## **AAHL:** Key Growth Drivers



## **Key Macro Trends and Growth Drivers**

- **Air Traffic Growth**
- India remains one of the least penetrated aviation markets with **0.2 trips per capita** against **2.1 trips per** capita for US (gap > 10x)
- **Expanding Connectivity**
- UDAN scheme (regional airport development program) driving traffic in underserved locations

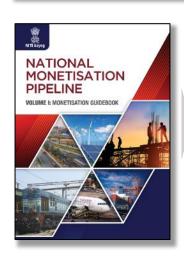
- Non-Aero Spend **Matching Global Average**
- Non-Aero spend per pax lower in India amongst other airports globally. Potential for 2x-3x growth from current levels
- **City Side Development Potential**
- Phase 1 city side development for ~20 m sq. ft. with total potential of ~150 m sq. ft.
- **Privatisation of airports**
- Under the National Monetization Pipeline over 25 major AAI airports expected to be privatized, after success of 2019 auctions

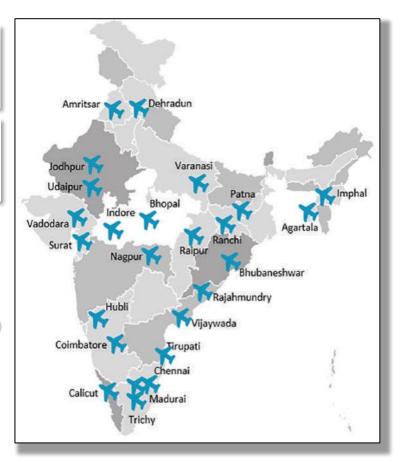
#### National Monetization Pipeline<sup>1</sup>

24 major AAI airports in Tier 2 & 3 cities have been earmarked for privatization

24 **Airports** Upcoming for bidding

68m Passengers Handled in FY24 at the 24 Airports





Growth driven by consumer spending at airports, city side development and new airport assets

## Adani Digital Labs ("ADL"): Overview



## **A Digital Incubator**

- Adani Digital has launched an Adani One app which integrates all consumer base of Adani portfolio companies
- Key group adjacencies: Airports 23% of Indian Air Traffic, Adani Wilmar – 35% of retail shop coverage (4.5 m), ATGL – Largest CGD player in India, AEML – 12 m Mumbai consumers
- Captive Opportunity: Adani Portfolio's B2C businesses with 400 m consumers and large number of touchpoints across businesses

#### **Key Highlights**

- · Adani B2C Pivot: Transform Adani's existing companies into digital-first companies. Super App – Omnichannel, unified platform
- Incremental Sales: Enhance sales via consumer interface through digital channels
- Technology Partnerships: Customer identification & engagement service offerings with industry leading players
- Collaborations: Recently launched co-branded credit cards with ICICI Bank and Visa through Adani One

## **Key Operating Metrics**

30+ million

**Current App Downloads** 

400+ million

Potential Number of users

#### **Adani Services through Adani Super App**



Electricity



Airports











Edible oil & Others

## **Platform System Partners**













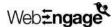






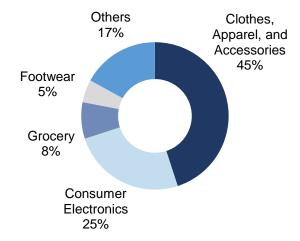








## **Share of segments in e-comm**



#### **Key Partners**

Realty







# **Transport and Logistics Business**

Roads: Adani Road Transport Limited ("ARTL")

## Adani Roads Transport Limited ("ARTL"): Overview



#### **Emerging Leader in Roads Infrastructure**

- ARTL has successfully developed a portfolio comprising 14 road projects encompassing HAM, BOT, and TOT models, totaling 5,351 lane kms
- Roads portfolio includes largest greenfield highway project, the Ganga Expressway Project in Uttar Pradesh
- In addition to roads portfolio, ARTL also has a concession to operate and maintain 24 border check posts in the Maharashtra, India.

#### **Business Model HAM** BOT TOT User Fees/ tolls Description EPC + BOT DBFOT on highway stretches Toll Collection/ Revenue **Annuity** Toll Collection Annuity Concession fee + **Funding by** 60% of BPC 100% of BPC Augmentation Developer **O&M Risk** Developer Developer Developer Revenue Toll: Developer Authority Developer Annuity: Authority Risk



## **Key Growth Drivers**

Technological

NHAI plans to monetize 46 projects under TOT Model

advancement including electronic and GPS enabled toll collection systems

Infrastructure outlay of \$1.8 trillion between FY24 and FY30

#### **Key Operating Metrics (9MFY25)**

14

**Projects** 

5,351

Lane kms

29%

**HAM Based** 

71%

**BOT/TOT Based** 

## **Key Financial Metrics** (9MFY25)

₹7,202 Cr

Revenue

▲ +38% YoY

₹1,481 Cr

**EBITDA** 

▲ **63%** YoY

₹15,831 Cr

**Gross Assets** 

▲ +64%¹

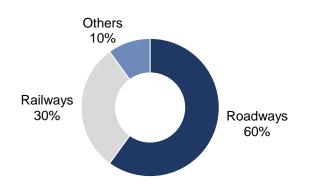
## ARTL: Market Outlook - Roads are critical for Infrastructure Development & Economic Growth



#### **Critical Infrastructure Driving India's Transportation Network**

- Road transport accounts for 87% of passenger movement and 60% of freight movement in India
- Its appeal lies in accessibility, flexibility, and cost-effectiveness
- Railways handle ~30% of freight, while airways and waterways contribute ~10%

#### **Freight Transport Movement in India**



#### **Growth Rates have rebounded to Pre-Pandemic Levels**

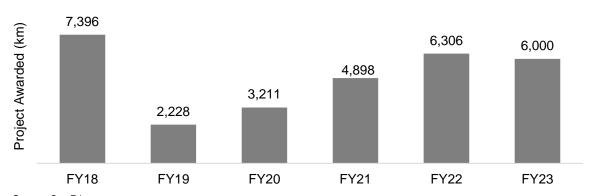
Post the pandemic effect in FY21, the sector's growth rate has returned to prepandemic level of 3.2% of India's GDP

#### Gross Value Added at Constant (2011-12) Basic Prices<sup>1</sup>

| Year                                   | FY18  | FY19  | FY20  | FY21  | FY22  |
|--|-------|-------|-------|-------|-------|
| Road Transport<br>(Rs. Thousand Crore) | 396.4 | 417.5 | 432.2 | 321.7 | 435.5 |
| % Share in total GVA                   | 3.3%  | 3.3%  | 3.3%  | 2.5%  | 3.2%  |

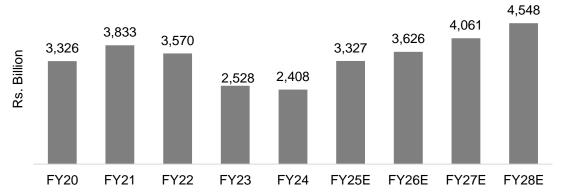
#### **NHAI's Highway Project Length Triples since FY19**

#### **Projects Awarded by NHAI<sup>2</sup>**



#### Road Sector Investment projected to Surge with a 17% CAGR

#### **Investments in Roads Sector**<sup>3</sup>



Source: CareEdge.

<sup>1</sup> Ministry of Statistics and programme implementation, CareEdge | <sup>2</sup> NHAI Annual Reports, CareEdge | <sup>3</sup> Niti Aayog report on National Infrastructure Pipeline **GDP:** Gross Domestic Program | **GVA:** Gross Value Added | **NHAI:** National Highway Authority of India | **CAGR:** Compound Annual Growth Rate | **km:** kilometer



#### **Locked-in Portfolio**

| Asset                          | Туре ( | Counterparty | Lanes Kms | Completion<br>Status <sup>1</sup> | COD <sup>2</sup> /<br>Expected<br>COD Date | Current<br>Concession<br>End Date | Remaining<br>Concession<br>Period as on<br>30 Sep 2024 |
|--------------------------------|--------|--------------|-----------|-----------------------------------|--|-----------------------------------|--|
| BPRPL                          | HAM    | NHAI         | 213       | Operational                       | Jul-22                                     | Jul-37                            | 12.8   |
| SKRPL                          | HAM    | NHAI         | 235       | Operational                       | Sep-22                                     | Sep-37                            | 13.0   |
| MRRPL                          | HAM    | NHAI         | 168       | Operational                       | Dec-22                                     | Dec-37                            | 13.3   |
| PRSTPL                         | TOT    | NHAI         | 198       | Operational                       | Nov-21                                     | Nov-41                            | 17.2   |
| KKRPL                          | HAM    | NHAI         | 127       | Operational                       | Aug-24                                     | Aug-39                            | 14.9   |
| PPRPL                          | BOT    | NHAI         | 407       | Operational                       | Sep-24                                     | Mar-42                            | 17.5   |
| Sub total - Operational        |        |              | 1348      |                                   |  |                                   | 14.8   |
| VBPPL                          | HAM    | NHAI         | 107       | 81%                               | May-25                                     | Dec-39                            | 15.3   |
| NPRPL                          | HAM    | NHAI         | 190       | 84%                               | Mar-25                                     | Dec-39                            | 15.3   |
| BKRPL                          | HAM    | NHAI         | 285       | 76%                               | May-25                                     | Dec-39                            | 15.3   |
| AVRPL                          | HAM    | NHAI         | 245       | 52%                               | Mar-26                                     | May-40                            | 15.7   |
| BHRPL (Ganga Expressway)       | BOT    | UPEIDA       | 910       | 69%                               | Oct-25                                     | Nov-52                            | 28.2   |
| HURPL (Ganga Expressway)       | BOT    | UPEIDA       | 934       | 52%                               | Oct-25                                     | Nov-52                            | 28.2   |
| UPRPL (Ganga Expressway)       | BOT    | UPEIDA       | 941       | 54%                               | Oct-25                                     | Nov-52                            | 28.2   |
| KSRPL                          | BOT    | NHAI         | 391       | 63%                               | Sep-25                                     | Dec-40                            | 16.3   |
| Sub total - Under Construction |        |              | 4,003     |                                   |  |                                   | 20.3   |
|                                |        |              |           |                                   |  |                                   |  |
| Total Roads Portfolio          |        |              | 5,351     |                                   |  |                                   |  |

#### In addition to roads portfolio, ARTL also has a concession to operate and maintain 24 border check posts in the Maharashtra, India.

#### **Growth Potential**

#### Strong government push for Roads

- The capital outlay on National Highway construction in India has increased at a CAGR of ~40% between FY2018–FY2023.
- In 2024-25, the MoRTH has been allocated outlay of \$33.3b for the highways sector.
- This represents highest budget allocation among all ministries in 2024-25.

#### Road Projects bidding pipeline for FY24-25<sup>3</sup>

HAM 9,428
Lane Kms

\$13.7b
Estimated Cost

вот

**3,737** Lane Kms

\$5.1b Estimated Cost

тот

**2,742** Kms

\$0.6b
Potential annual toll revenue for FY25E

¹Physical Progress as on 30<sup>th</sup> Sept 2024 | ²For operational HAM projects, COD date represents the provisional COD date | ³Projects currently in bidding and upcoming/proposed projects by NHAI in FY25 | BOT: Build, Operate & transfer | HAM: Hybrid Annuity Mode | TOT: Toll, Operate, Maintain & Transfer | BPRPL: Bilaspur Pathrapali Road Pvt Ltd | SKRPL: Suryapet Khammam Road Pvt Ltd | MRRPL: Mancherial Repallewada Road Pvt Ltd | PRSTPL: PRS Tolls Pvt Ltd | KKRPL: Kodad Khammam Road Pvt Ltd | PRPPL: Panagarh Palsit Road Pvt Ltd | WPRPL: Vijayawada Bypass Project Pvt Ltd | WPRPL: Hardoi Unnao Road Pvt Ltd | WPRPL: Unnao Prayagraj Roads Pvt Ltd | KSRPL: Kagal Satara Road Pvt Ltd | UC: Under Construction | km: kilometer | b: billion | PCOD – Provisional Completion Date | MoRTH: Ministry of Road Transport and Highways | CAGR: Compounded Annual Growth Rate



# 32

# **Energy and Utility Business**

Green Hydrogen: Adani New Industries Limited ("ANIL")

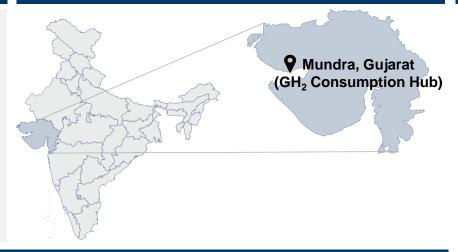
## Adani New Industries Limited ("ANIL"): Overview



#### Frontrunner in India's GH<sub>2</sub> Revolution

- RE Manufacturing, H<sub>2</sub> generation and Downstream products will result in a fully integrated Green Hydrogen ecosystem
- Fully integrated manufacturing and consumption to result in lower wastage, faster turnaround, lower inventory, savings in overheads improving cost efficiency
- Target is to utilize the **cheapest green power** to generate the cheapest green hydrogen
- Renewable Energy generation site in Gujarat with potential of ~41 GW with high wind and solar resource
- Mundra as an ideal green Hydrogen and manufacturing ecosystem due to fully developed site & utility infrastructure.

#### One of the World's largest GH<sub>2</sub> Hub



#### **Target Manufacturing Capacities**

10GW per annum Solar Modules

4 GW Operational

4GW per annum Wind Turbines

1.5 GW Operational

5GW per annum Electrolyser

Under Development

~2.1 MTPA

Green Hydrogen

With potential to produce Green Ammonia, Green Urea, Green Methanol

#### **Business Segments**

#### **Supply Chain Products Manufacturing**

#### **Solar Manufacturing**

- Full backward integration starting from silicon to modules
- High efficiency future technologies TOPCon & HJT
- Ancillary: Tracker, EVA, Glass etc.

#### Wind Manufacturing

- Manufacturing Turbine, Nacelle & Rotor Blades
- Technology partnership with renowned global players

#### **Electrolysers**

- 300 MW manufacturing capacity awarded under PLI
- Focused on reduction in stack & BOP cost through indigenization and scale

#### **Green Hydrogen Generation**

Integrated RE and H<sub>2</sub> Electrolyser **Projects** 

- Renewable Power generation to power H<sub>2</sub> electrolyser
- Part of H<sub>2</sub> will go into downstream products
- Integrated project connecting to Mundra with a H<sub>2</sub> pipeline

#### **Downstream Products**

Large scale downstream anchor projects at Mundra, Gujarat

Focus on Ammonia and Urea

## **Key Financial Metrics** (9MFY25)

₹10,575 Cr

Revenue

▲ +77% YoY

₹3,666 Cr

**EBITDA** 

▲ +121% YoY

₹7.333 Cr

**Gross Assets** 

+16%<sup>1</sup>



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**ANIL: Manufacturing** 

## **ANIL:** Green Hydrogen Manufacturing Ecosystem – Overview



#### **Mundra Electronic Manufacturing Cluster**





**Ancillaries:** Glass/Frame/EVA etc.



Consumables: Argon/H<sub>2</sub>/HF etc.

**Talent** 

**Common Utility** 

Infrastructure

- 650 acres (263 Ha) land exclusively ear-marked for IT/Electronic Investment
- Basket of Fiscal & Non-fiscal incentives are available to electronic manufactures interested to invest in this cluster
- The cluster is well supported by infrastructure and logistics facilities

## **Solar Manufacturing**

- 4 GW per annum of Cell & Module manufacturing capacity is operational of which 2 GW TopCon & 2 GW MonoPerc.
- Total module sales, including domestic sales, increased by 73% to 3.3 GW in 9MFY25 (with domestic sales increasing by 175% to 1.8 GW).
- India's first large-sized monocrystalline ingot and wafer unit of 2 GW capacity operationalized in March 2024.
- Plan to expand to 10 GW p.a. of Cell and Module manufacturing capacity with backward integration into polysilica and mg silica.

#### **Wind Manufacturing**

- India's largest turbine: 5.2 MW WTG is India's largest machine in terms of rated MW capacity, offering highly competitive annual energy production
- Supplied 10 sets during 9MFY25 and have order book of 254 sets.
- RLMM listing done for 5.2 MW, 3.3 mw & 3.0 MW WTG using ANIL blades

#### **Electrolyser**

- Aggregate manufacturing capacity of **5 GW per annum** to be set up
- Received LoA from SECI to set up manufacturing capacity of 300 MW
- Stack fabrication in process for -
  - 25kW prototype based on CRT design
  - 85kW prototype based on HyDEP design



Critical

ancillaries are

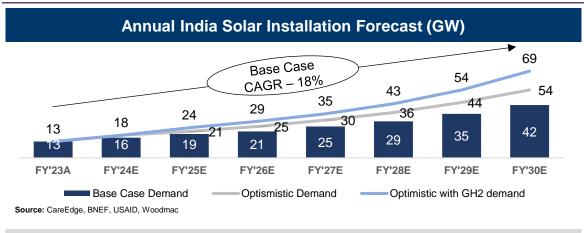
co-located in the same

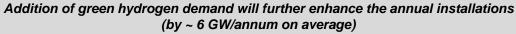
ecosystem for supply-chain efficiency &

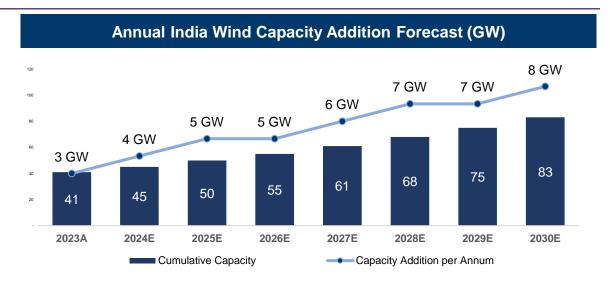
reliability

## ANIL: Market Outlook - Wind & Solar manufacturing demand driven by India's rapid energy transition









#### **Indian Manufacturing Market Drivers**

Government of India has set a target of 500 GW of Renewable Energy by 2030 (300 GW - Solar & 140 GW – Wind)

#### **Policy Support for Solar Manufacturing:**

- Production linked incentive (PLI-1 & PLI-2) for Polysilicon, Wafer, Cell & Module and various Capex subsidy from Central and State Government.
- Government has been promoting the domestic solar PV manufacturing industry by implementing various policy measures like DPIIT<sup>1</sup>, renewable players to procure modules from ALMM suppliers, various other offtake schemes like CPSU, KUSUM and Rooftop Solar.
- Government has levied custom duty of 44% (BCD of 40% & cess 10%) on modules and 27.5% (BCD of 25% & cess 10%) on cells to promote domestic manufacturing (effective from 1st April 2022).

#### **Policy Support for Wind Manufacturing:**

• Bidding with tariff pooling with wind-specific RPO from 29.91 % (FY24) to 43.33% (FY30).

Department of promotion of industry and internal trade (Public Procurement section) Order NO. P-45021/2/2017-PP(BE-II) Dated 4th June 2020.



## **ANIL:** Solar Manufacturing Business - Deep Dive





## **Key Customer Base**

#### **Utility Customers for Export** ~20-25 nos.









#### **Domestic Utility Customers** ~85 nos.



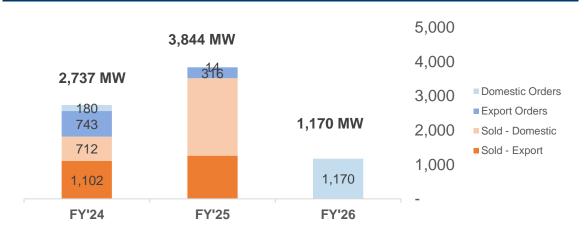








## Strong Orderbook – Orders served + Confirmed Orders (MW)



## ANIL: Wind Manufacturing Business - Deep Dive



## **Leveraging Global Expertise and Cutting-Edge Technology**

Highly experienced in-house team and globally renowned technology partners

Strategically located in proximity to Mundra port, connected to 2 state highways and 2 national highways



Robust engineering framework, deliverance of quality and proven performance

Strong manufacturing capabilities equipped with state-of-the-art equipment and machinery

## **Customer Segments**

SECI & State Bidding

Domestic IPPs Multinational Power Utilities Internal Customers : AGEL, ACL, APSEZ etc. Commercial & Industrial Segment

Captive/Group Captive Domestic IPPs Retail Customers Project Developers Repowering opportunities

States like Gujarat & Tamil Nadu

## **ANIL WTGs have an Edge in the Market**



India's largest turbine: 5.2 MW WTG is India's largest machine in terms of rated MW capacity, offering highly competitive annual energy production



**Cost competitiveness:** Domestic production of WTG has led to cost competitiveness because of low labour and materials costs. It is also rated among the Best Turbines of the year by Windpower Monthly's Turbines of the Year Award for 2023



Sufficient & flexible manufacturing capacity to cater to the market: Current capacity is 1.5 GW per annum which will be expanded to 2.25 GW in FY25 and later can be enhanced up to 5 GW per annum



Market is focusing on simplification of product portfolio and ANIL is manufacturing 5.2 MW WTG suitable for medium & high wind speed sites





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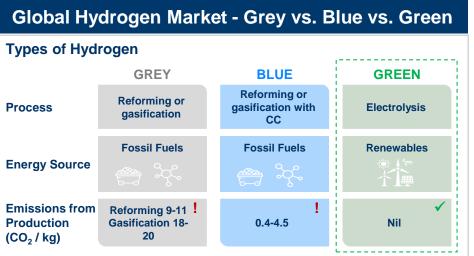
**ANIL: Green Hydrogen** 

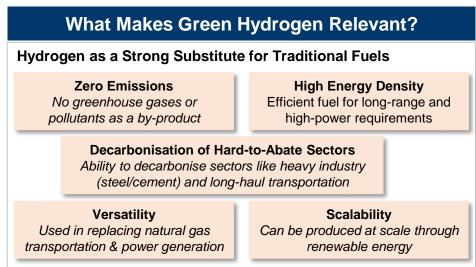
The Game Changer

## **ANIL:** What is Green Hydrogen and Why is it Relevant?

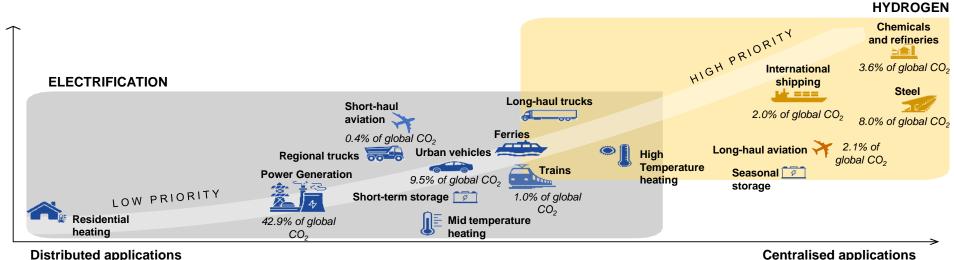


- Hydrogen is crucial in a netzero energy system, enabling decarbonization in hard-to-abate sectors
- Hydrogen can be used as an energy vector (produced, stored, and transported as a means of delivering and/or storing energy) in many hardto-decarbonise sectors, where other energy vectors (e.g. electricity) are not suitable
- Low carbon hydrogen is either Blue or Green H<sub>2</sub>, with Green H<sub>2</sub> being the lowest emissions and hence most suitable. Cost of Green H2 is determined by cost of green power, and scale of the project





## **Hydrogen Demand: Use Cases for Hydrogen**



Centralised applications

## **ANIL:** Adani's Unique Value Proposition to Capture the Hydrogen Market



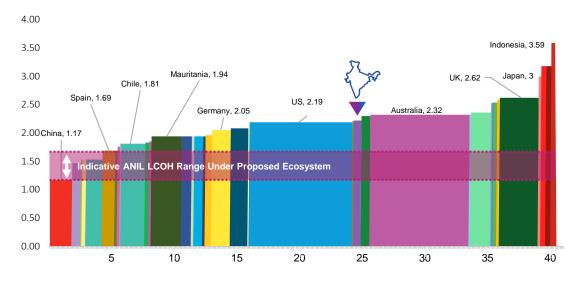
- Adani's fully-integrated green hydrogen ecosystem with complete supply chain control will produce H<sub>2</sub> at a fraction of the cost of other domestic/ global players
  - ✓ Adani's Hub in Gujarat has an immense renewable potential of c.40GW of solar and wind power alongside site readiness
  - ✓ The identified site is located close to Mundra SEZ, a fully developed utility scale infrastructure site, which will serve as an ideally positioned hydrogen manufacturing ecosystem with existing and well-developed supporting pipeline infrastructure
  - ✓ ANIL will also ensure supply chain assurance by way of solar, wind and electrolyser manufacturing located in Mundra

Adani will have full visibility on the entire cost stack, internalising margins, and producing H<sub>2</sub> at an LCOH that is cost-competitive with fossil competitor fuels, capturing first-quartile H<sub>2</sub> merit and further accelerating the adoption of green fuels, with exponential ability to capture volume share

#### India Hydrogen 2023 LCOH vs Current Commodity Prices & ANIL Hypothesized Price LCOH (US\$ / MMBtu)

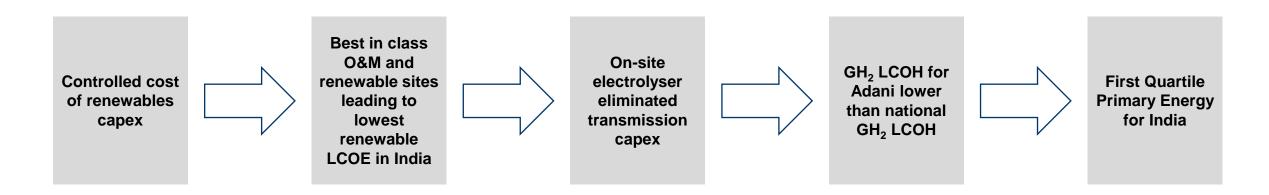
#### Adani LCOH advantage driven by 50.5 (1) Low-cost renewable power & (2) Scale 28.7 35.8 18.5 25.7 22.2 11.7 12.4 7.7 8.9 Green Hydrogen Blue Hydrogen Grey Hydrogen Natural Gas Diesel Petroleum Adani I COH

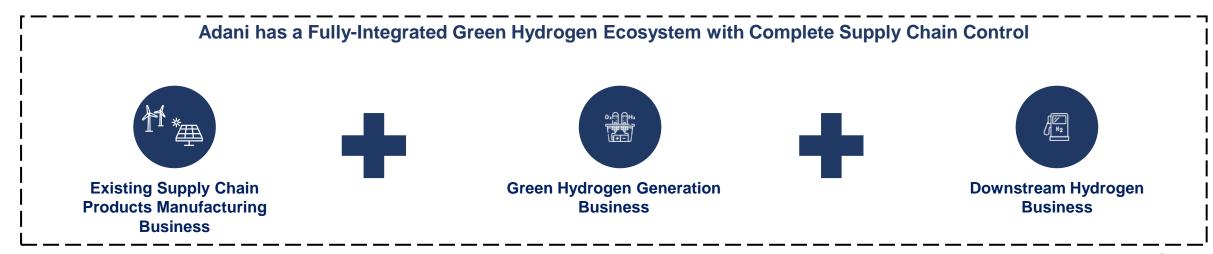
#### Global Green Hydrogen Merit Curve, 2030 (US\$/Kg vs Mt)





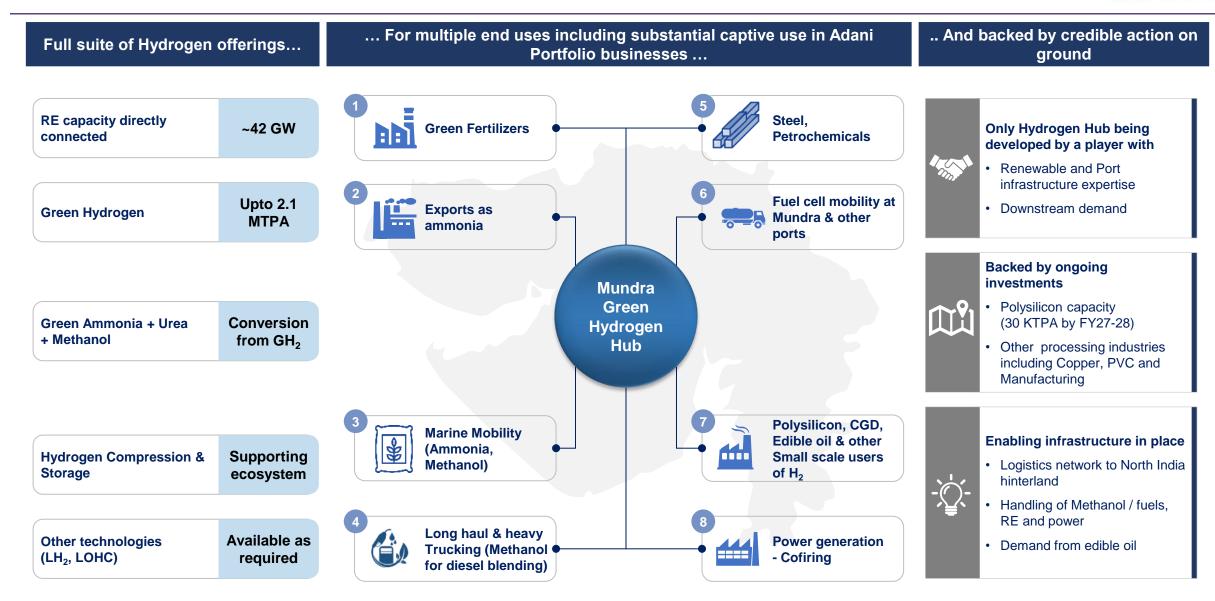
Adani's control of its' input cost and access to the Mundra site have removed the principal cost variables and ensure the lowest cost H2 production in India, representing first quartile primary energy





### **ANIL:** Setting up the Largest Green Hydrogen Hub in the World at Mundra Gujarat





### ANIL: Building a Premium Platform with Key Competitive Advantages



# Key Business Drivers for ANIL and its Competitive Advantage vs. Peers

### Replication and Strategic Location

Building a platform of ANIL's scale from scratch would require multiple years of experience in the industry

Even with sufficient capital, ANIL's strategic geographical plans and expertise is unlikely to be replicated by new players

### **Team and Strategy**

Ability to leverage the Adani expertise in building and operating energy infrastructure assets across the entire value chain

Leveraging
partnerships with
industry leading
technology partners,
and analytics driven
O&M operations with
Artificial Intelligence
based tech

### Regional and Geographical Support

Several production linked and capex linked incentives for the Green Hydrogen ecosystem in India

Multi modal connectivity and existing supporting infrastructure (especially for renewable power supply)

### **Cost Advantage**

Green H<sub>2</sub> at c.2x of costs of producing grey H<sub>2</sub>, of which a majority c.70-80% consists of input power costs from renewable energy

ANIL's green H<sub>2</sub>
generation plant is to
be located near Adani's
c.20GW renewable
cluster which is a
direct, low cost,
renewable energy
source

### Offtake Advantage

Proximity to end users (captive / external)

Addressable market <sup>1</sup> not dependent on exports given size of the H<sub>2</sub> domestic market demand at c.6MTPA

Placing ANIL in an advantageous spot vs. competitors dependent on exports e.g. hydrogen hubs in Australia

### **ESG** premium

The urgent need to decarbonise global energy and achieve ESG targets continues to pressure investment momentum in the space

Scarce opportunities for investors interested in high growth, green hydrogen platforms

### Growth

ANIL is not limited to the production of green hydrogen

By establishing the world's largest integrated hydrogen hub, ANIL is well placed to serve other markets such as but not limited to green ammonia, green methanol, liquid hydrogen and liquid organic hydrogen carriers

### **Premium Platform**

ANIL justifies a platform premium as it delivers continued growth throughout the value chain

<sup>&</sup>lt;sup>1</sup> Source: Crisil, 2023



# 30

# **Energy and Utility Business**

Data Center: AdaniConnex Private Limited ("ACX")

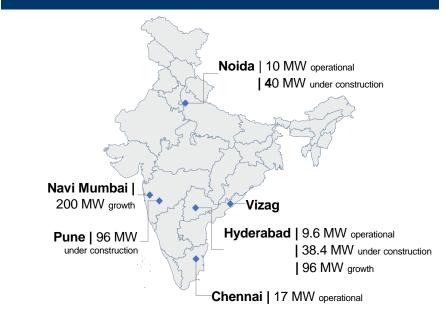
### AdaniConneX Private Limited ("ACX"): Overview



### **Leading Data Center Solutions**

- 50:50 JV between Adani Enterprises Limited and EdgeConneX (one of world's largest private data center operator)
- ACX is currently operating a 17 MW data center in Chennai, has 3 under construction (20 MW operational, 174 MW under construction) data centers - taking total locked in capacity to 211 MW
- Further there are 2 data centers in growth pipeline with pre-construction works in progress.
- Empowering Digital India with Hyperscale Data Center (20+ MW) and Hyperlocal Data Center (Edge: 2-20 MW) driven by demand from data localization and AI
- Integrated and Sustainable "Energy as Service" offerings, Adani Energy Solutions offers renewable power solutions

### **AdaniConneX Data Centers across India**



### **Key Operating Metrics**

1 + 3(uc)# data centers 37 + 174(UC)MW

1,000<sub>MW</sub>

Adani Connex target by 2030 17,000<sub>MW</sub>

India Data center Capacity by 2030

### **Key Business Focus Areas**



1 GW Target Capacity by

Develop

strategically

placed facilities



Proximate



Powered with renewable





Reliable. Secure and Scalable delivery process

### **Key Growth Driver**

**Data Localisation** Push by Government Agencies

Increasing investments in **Energy Efficiency** & Sustainability

Increasing internet usage along with technological advancements like AI, IoT, 5G

### **Strong Partnership**







### ACX: JV Philosophy and Product Offering



Combining the assets and expertise of two of the world's leading infrastructure providers to deliver new digital infrastructure solutions and premium technology services to the Indian market

### adani

**Largest Private Infrastructure and** 

**Energy Provider in India** 

Land Banks / Real Estate Assets

Renewable Energy / Sustainability

**Shared Services Center** 

Local knowledge & relationships



Integrated Digital Infrastructure in India:

Data Centers
Fiber
Land banking
Renewable Power
Sustainability



A Large, Global, Private Data

Center Operator

Global Data Center Footprint
Customer relationships & contracts
Design & Operations expertise
Hyperscale to Hyperlocal expertise

### **Product Offerings**





Large data center campuses in key Indian markets to support major cloud requirements

Build to Suite Large US Tech Companies

Flipkart 🙀





Hyperlocal campuses: <20 MW

Strategically-placed facilities, creating highly distributed national platform to help bring cloud, content & data closer to businesses & consumers alike

### **Edge Data Centers (2-20 MW)**

Rapidly deliver scalable data center capacity in secondary Edge markets across India

### Far Edge Facilities (<2 MW)

Small, modular data centers solutions to support hyperlocal metro requirements

### **ACX:** Market Outlook - Explosive Growth In Digital Infra, AI & Data Localisation



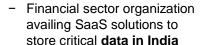
### **Data Localisation Push**



Data relating to payment systems operated by banks & payment service providers to be stored only in India



Issued a Framework for Adoption of Cloud Services by regulated entities





Data of policies & claim records of insurers to be stored on systems in India



MCA: Store books of accounts in India

MeitY: Maintain logs and records of financial transactions within India

### **Energy Efficiency & Sustainability as Key Drivers for Investment**

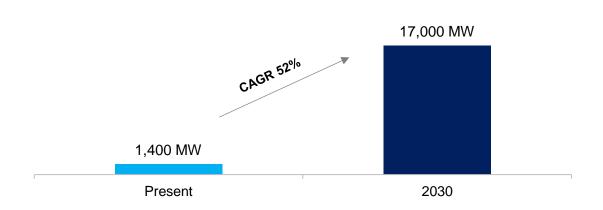
### **Energy Efficiency**

- Power cost accounts for ~ 65% of the total operating cost of data centers
- This has made renewable energy a more appealing source of energy to datacenters

### Sustainable Investment

- Large companies have committed to having carbon neutrality and are investing heavily in renewable energy projects
- Green Data Centers have emerged as a result of stakeholders' demand for sustainable business practices & lower carbon footprint

### Data Center Capacity in India Undergoing Rapid Growth<sup>1</sup>



### **Key Growth Drivers and Trends**



Increasing Internet Usage: India's rising internet user base, with 895.8 million subscribers, highlights the need for enhanced data center capacity amid high mobile data consumption



**Technological Advancement:** Data centers are crucial for supporting cloud computing, IoT, AI, and big data, driving advanced infrastructure needs



**5G Roll-Out:** The rise of 5G networks drives increased demand for data centers with enhanced computing, low latency, and cloud-native designs

Source: CareEdge Analytics & Advisory - Industry Report on Infrastructure, Utilities and Consumer Sectors, JLL India Data Center India Assessment, Jeffries Research Report on Datacenters



4

# **Primary Industry Business**

Copper | PVC | Mining Services
Commercial Mining | Integrated Resource Management

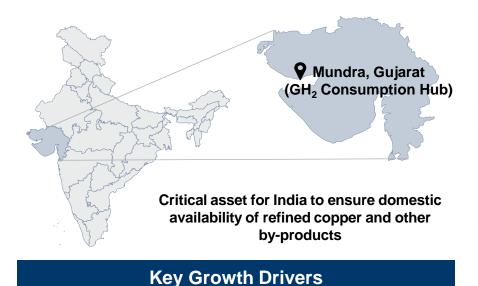
### Kutch Copper Limited ("KCL"): Overview



### **Bridging the supply-demand gap**

- Kutch Copper commissioned the first unit of its greenfield copper refinery project with capacity of **500 KTPA** at Mundra in March 2024
- KCL will enable India to successfully substitute imports which accounts for 44% of domestic copper consumption
- With an ability to grow to a capacity of 1 MTPA, KCL will be the world's largest single-location copper smelter
- Demand driven by "copper super cycle" driven by electric vehicle demand, transmission wires, smart meters etc.
- KCL is located in Mundra SEZ, powered by Mundra Utilities, enables lowest cost of producer of copper

### Strategically located close to India's largest Port



### **Key Operating Metrics**

500 KTPA

Refined Copper

25 TPA

Gold

250 TPA

Silver

1,500 KTPA

Sulphuric Acid

### **India's Copper Supply and Demand Balance**

844k tonnes

509k tonnes

373k

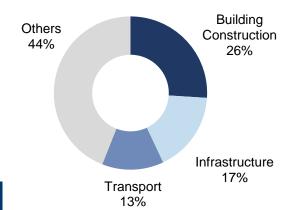
**Metals and Minerals** driven by tonnes decarbonization, population growth

Strong demand for

High acceptability in the fast-growing EV and ancillary industry

Indian Govt. plans to electrify all new vehicles sold in the country by 2030

### **End-use industry of Copper**



Copper Consumption



Domestic **Production** 



Import of Copper

KCL is well positioned to tap the copper supply gap in India with opportunity of export through Mundra

### KCL: Market Outlook - Copper as a Critical Metal and its Importance in India

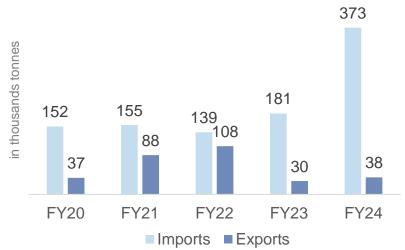


### **High Levels of Domestic Refined Copper Consumption**



Copper demand grew at a 12.7% CAGR from FY20 to FY24, driven by strong demand in power, consumer durables, and the automobile sectors

### **High Surge in Copper Imports**



- Lower production of refined copper in India has resulted in a deficit situation in the domestic market
- Adani's recently operational KCL Project, will aid the deficit situation

### **Domestic Production of Refined Copper**



Domestic Copper production has remained in the 400KT to 550KT range in the last 5 years, compelling the needs for imports

### Impact of India's Ambitious Plans on Copper Market

Renewables: India's ambitious target to achieve 500 GW of renewable energy capacity by 2030, translating into a healthy domestic copper demand



**Transport:** Gol's plans including investment in the metro rail network and railway electrification are likely to sustain domestic copper demand growth over the next few years



**Urbanization:** Government focus on housing, smart cities, defense, and EV infrastructure supports a strong copper demand outlook



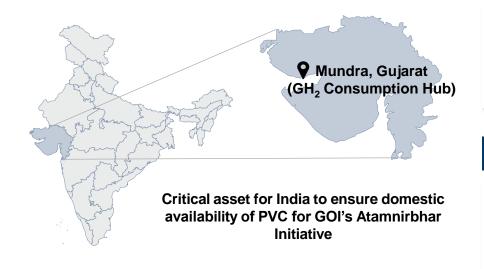
### Mundra Petrochem Limited ("MPL"): Overview



### **Leveraging synergies for Atmanirbhar Bharat**

- MPL is establishing a coal to PVC project at Mundra
- The project will reduce import dependency of PVC, and will promote domestic manufacturing in line with GOI's Atmanirbhar Initiative
- MPL will leverage Adani Group's strong position in resources, logistics, and energy infrastructure
- For this high energy intensive project, power will be sourced from MUPL (~38% power from captive RE plant)
- Semi coke will be imported from countries like China, Kazakhstan, Poland & Indonesia
- Project is under construction, financing tied up from Indian banks

### Strategically located close to India's largest Port



### **Key Operating Metrics**

**1** MTPA

Plant Capacity<sup>1</sup>

38%

Power from Renewable Sources

### **Demand Supply Gap in India**

**4.1** MTPA

**PVC Demand** 

1.7 MTPA

Domestic Production

### **Current Status**



Land lease agreement from APSEZL



Considerable progress in engineering of Offsites and Utilities, VCM & PVC Units



Construction Water Network Commissioned



Procurement of Construction power from MPSEZ Utilities Pvt. Ltd.

### **Key Growth Drivers**

Strong demand from end-user industries – irrigation, water supply, sanitation

Strong demand for residential real estate

Adoption of PVC due to their recyclability and lower carbon footprint

### **Technology & By-product**

Acetylene

Routes

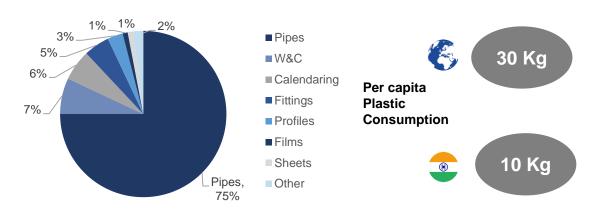
Caustic Soda

**By-products** 

# **MPL:** PVC Market Outlook - Strong Demand Drivers, Make in India push to make India leader in Global PVC Production by 2027

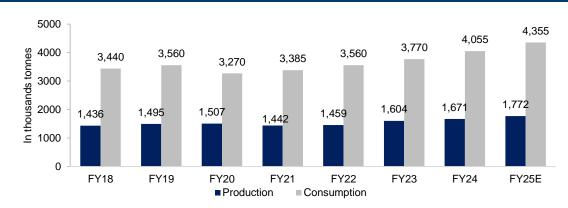


### **Segment-wise Domestic Demand: an Essential Material**



- PVC is widely used in Agriculture & Irrigation (pipes), Building & Construction (plumbing, wires, windows, floors, doors), Pharma (packaging), Textiles, Automotive and Power transmission
- India's per capita plastic consumption is 1/3<sup>rd</sup> of the world average → further room for growth as Indian economy grows
- Strong growth outlook in PVC → 7.3% CAGR in next 8 years

### Demand-Supply Gap in India's PVC Production & Consumption<sup>1</sup>



- India is the largest importer of PVC globally: High import level due to the rising consumption demand and limited domestic production.
- Current domestic demand supply gap: ~2.5 MTPA (Demand: ~4.1 MTPA, Supply: ~1.6 MTPA; Deficit being imported)
- India is predicted to be the largest producer of PVC by 2027

### Indian Government's initiatives propelling PVC demand



**Housing**: Government has launched a program focusing on 'housing for everyone', propelling PVC demand for sewage and drainage systems



**Jal Jeevan Mission and Swachh Bharat Mission**: Government to provide tap water and building community restrooms and individual home restrooms which will further propel PVC demand

### Copper and PVC: Benchmarking



### Overview of Leading Copper players in India









| Copper Refinery      | Birla Copper   | Vedanta<br>Copper <sup>(1)</sup> | ICC & KCC             | Gujarat Copper       | Kutch Copper    |
|----------------------|----------------|----------------------------------|-----------------------|----------------------|-----------------|
| Location             | Dahej, Gujarat | Thoothukudi,<br>TN               | Ghatshila &<br>Khetri | Jhagadia,<br>Gujarat | Mundra, Gujarat |
| Establishment (year) | 1998           | 1996                             | 1972(2)               | 1992                 | 2024            |
| Capacity (KTPA)      | 500            | 400                              | 51.5                  | 50                   | 500             |

### **Overview of Leading Indian PVC Players**

Company









| Location                             | Gujarat and<br>Maharashtra | Tamil Nadu | Tamil Nadu | Gujarat |
|--------------------------------------|----------------------------|------------|------------|---------|
| Existing<br>Production<br>Plants (#) | 4                          | 1          | 1          | 1       |
| Capacity (KTPA)                      | 272,000                    | 107,000    | c.100,000  | 750,000 |

### **Planned Expansions in the Short to Medium Term**

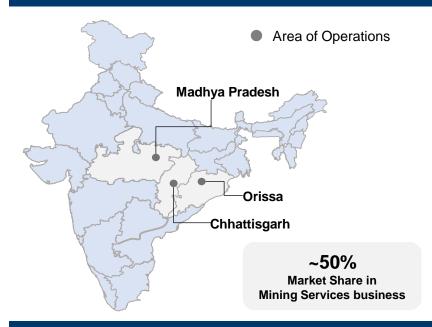
| Company              | DCW<br>LIMITED  | Reliance<br>Industries Limited | adani                    |
|----------------------|---|--------------------------------|--------------------------|
| Planned<br>Expansion | Intention to increase capacity and optimise utilisation of C-PVC plants | 1.5 MTPA                       | 2.0 MTPA (in two phases) |
| Target Year          | n.a.  | 2026                           | 2025                     |



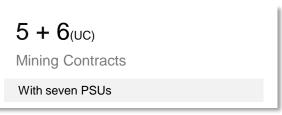
### **India's pioneer and largest MDO**

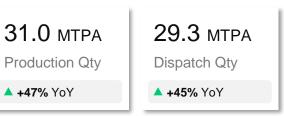
- AEL Mining Services is India's pioneer in Mine Development and Operations (MDO) with largest market share of ~50%
- AEL currently has nine MDO contracts with seven different customers
- · Out of above, five contracts are already operational with peak capacity of 54 MTPA
- Four under development services contracts with peak capacity of 52 MTPA
- MDO business is poised for consistent and sustainable EBITDA growth backed by locked-in contracts, longer contract life and embedded rate escalation clauses

### **MDO** contracts across mineral belt



### **Key Operating Metrics** (9MFY25)





### **Key Business Focus Areas**



Diversify





Enhanced volumes as per contracts





Leverage technology for efficient operations

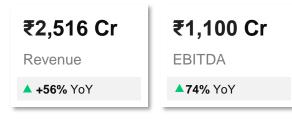
### **Key Growth Driver**

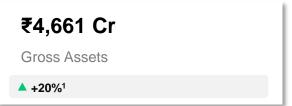
Clear runway of ~66% growth in volumes for operating mines

**Achieving** production over in under development mines over 2-3 years

Focusing on new MDO contracts from privatized coal mines

### **Key Financial Metrics** (9MFY25)



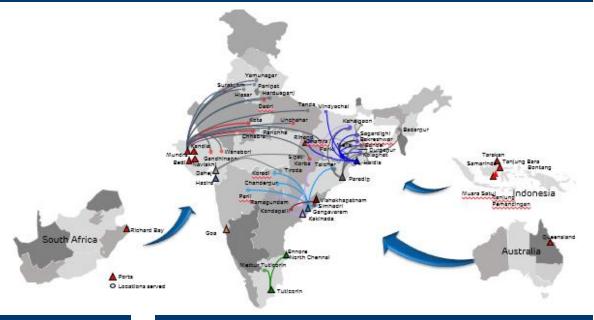






### IRM logistics network across India with global sourcing footprint

- One of the world's largest end to end logistics provider for coal imports with experience of over 2 decades
- Team of 200+ with global operations run through 20+ India offices, 3 overseas offices
- Management of multi-modal logistics operations pan India and across various ports
- Sourcing relationships with miners in different countries
- Customer clientele includes Asian and other international utilities



### **Key Growth Driver**





Complete risk mitigation with 100% hedging



Diversify customer base across private and sovereign





**Key Business Focus Areas** 



Sustained high quality coal demand from India's base load power capacity and other industries

Cost plus model with inventory holding capacity

Largest scale of operations in India providing competitive edge

### **Key Operating Metric** (H1FY25)

41.2 MTPA

Volume

(28.2)% YoY

### **Key Financial Metrics** (9MFY25)

₹30,460 Cr

₹2,661 Cr

▼ (30)% YoY

Revenue

▼ (25)% YoY

**EBITDA** 

₹393 Cr

**Gross Assets** 

No change<sup>1</sup>

### **AEL:** Commercial Mining – Overview



### **Overseas Commercial Mining Portfolio**

- AEL has two commercial mines overseas; one each in Indonesia and Australia
- · High quality, in-demand coal from both mines with consistent high rank product throughout the mine life
- Australia Mine is connected with Adani-owned railway line and NQXT port for efficient and confirmed longterm evacuation plan
- Commercial mines' production is supported by AEL's integrated resource management experience and customer network

# **Carmichael Mine @ Australia** Carmichael Mine **BRAVUS** QUEENSLAND, AUSTRALIA

# **Key Operating Metrics (H1FY25)**

Mines One in Australia and Indonesia each

9.9 MTPA Production Qtv ▲ +18% YoY

9.8 MTPA Dispatch Qtv

▲ +21% YoY

### **Key Business Focus Areas**



Efficient



Scalable, Low-cost production



Diversify customer base across geographies



Leverage technology for efficient operations

### **Key Growth Driver**

Clear runway of ~36% growth for taking volumes to 15 MTPA

Mine life of more than 50 years with **JORC** resources of 11.0 Bt

Scalable mining design and facilities for quick ramp up within approvals

### **Key Financial Metrics** (9MFY25)

₹5,438 Cr

Revenue

▲ +1285% YoY

₹858 Cr

**EBITDA** 

▼ (21%) YoY

₹20,262 Cr

**Gross Assets** 

▲ +11%¹



# **Direct to Consumer Business**

Digital | Food FMCG

### Adani Wilmar Limited ("AWL"): Overview



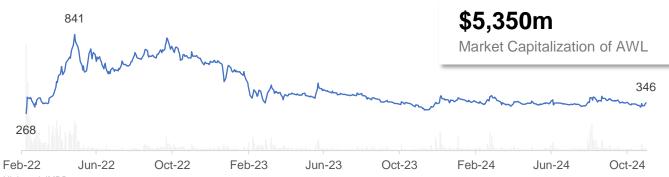
### **Market Leader with Scaled & Iconic Brand**

- Adani Wilmar Limited ("AWL"), a listed entity in which AEL holds a c.44% stake, is one of the largest food FMCG companies in India, with over 25 years of trust
- Offers a wide array products such as edible oil, wheat flour, pulses, sugar and industrial essential products such as oleochemicals and castor oil & derivatives
- Cater to a broad range of customers by offering a diverse range of brands across a wide price range
- Committed to be a leading packaged Food FMCG player, committed to sustainably deliver safe, nutritious and quality products



- Leveraging the 'Fortune' brand with over 2 decades of consumer trust to expand penetration into Indian kitchens with stables including Edible oils, Wheat, Rice, Pulses, Sugar and Spices
- Total Addressable Market of \$106b across Indian kitchen staples

### **AWL Share price performance and Market Capitalization**



### **Key Operating Metrics**

121+ m<sup>1</sup>

Household reach in India

30 +

**Export Countries** 

 $2.1+ m^{-1}$ Retail reach in India

#1 (Market Leader) In Edible Oil

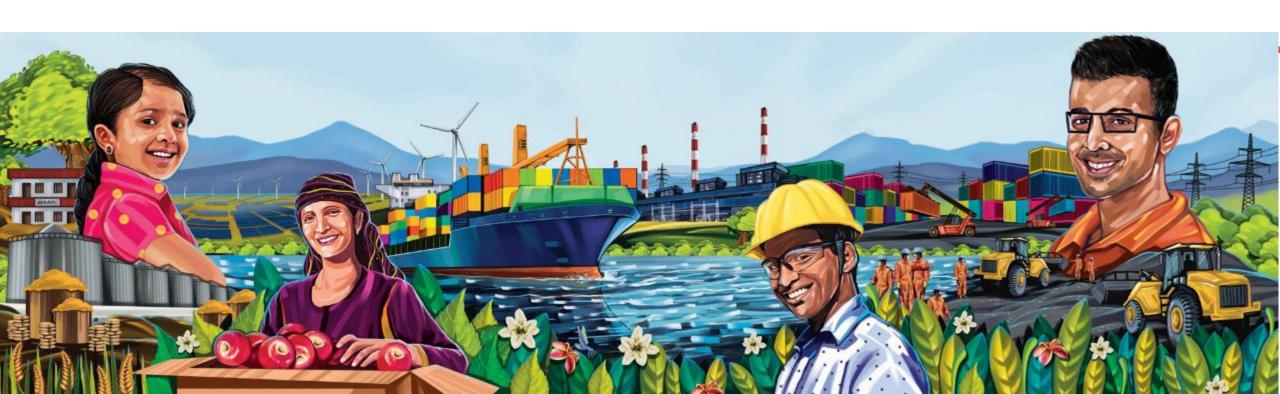
### **Key Financial Metrics**

| Particulars                  | FY22A  | FY22A FY23A |        | H1FY25 |  |  |  |
|------------------------------|--------|-------------|--------|--------|--|--|--|
| Operating Performance (mt)   |        |             |        |        |  |  |  |
| Edible Oils                  | 3.3    | 3.4         | 3.7    | 2.0    |  |  |  |
| Food and FMCG                | 0.6    | 0.9         | 1.0    | 0.7    |  |  |  |
| Industry Essentials          | 0.9    | 1.2         | 1.3    | 0.6    |  |  |  |
| Total Volume                 | 4.8    | 5.5         | 6.0    | 3.3    |  |  |  |
| Financial Performance (₹ Cr) |        |             |        |        |  |  |  |
| Total Income                 | 54,386 | 58,446      | 51,555 | 28,795 |  |  |  |
| Total EBITDA                 | 1,895  | 1,872       | 1,4312 | 1,351  |  |  |  |
| Profit After Tax             | 804    | 582         | 148    | 624    |  |  |  |
|                              |        |             |        |        |  |  |  |

<sup>&</sup>lt;sup>2</sup> in FY24, EBITDA was reduced due to dis-alignment of hedges on CBOT (Chicago Board of Trade) and high cost inventory during Q1 and Q2 of FY24 USD/ INR Exchange Rate as on 31st Oct, 2024: INR 84.0800 | m: million | b: billion | Cr: Crores | mt: million tonnes | AEL: Adani Enterprises Limited | FMCG: Fast Moving Consumer Goods | Market Capitalization as on 31st Oct 2024

# adani

# Thank You





# **Annexures**

### **AEL:** Best in class industry experts managing AEL Businesses



Key Sponsors



Gautam Adani Executive Chairman, Adani Group

 Founder and Chairman of the Adani Group, which ranks among the top 3 industrial portfolio companies in India and consists of 11 publicly listed entities



Rajesh Adani MD, Adani Enterprises

 Vital part of the Adani group since its inception, heading the Group's operations and key in developing its business relationships

### **Key Business Line Leaders**



Vneet S. Jain Director, ANIL

Nearly 15 years working with the Adani Group, spearheading the Group's strategy for its Energy and Infrastructure business. He has led many first-of-its-kind projects in India, and been instrumental in growing various businesses from conceptualisation to operation -Renewables, Power Generation, Transmission and Distribution



### **Vinay Prakash**

Director - AEL, CEO - Natural Resources

• One of the most recognized leaders in the areas of Energy, Infrastructure, Metas & Minerals, propelling AEL's natural resources group to the forefront of growth and excellence. Holds key positions in various industry bodies leading committees of FIMI, ASSOCHAM, FICCI and CII where he championed ideas of responsible and sustainable mining



### Jugeshinder ('Robbie') Singh CFO, AEL

- Over 16 years of global investment banking experience in Australia, New Zealand, North America, Europe and Asia
- Robbie's experience includes all the aspects of mergers, acquisitions, strategy, finance and risk, with a particular focus on listed and unlisted infrastructure funds
- Involved with Adani Group operations as well as managing AEL functions



### Arun Bansal

CEO, Adani Airport Holdings Ltd.

Recently joined as CEO of AAHL, helping strengthen its digital transformation and business growth agenda. With over 33 years of experience, he has been instrumental in driving significant share growth in different regions



**Angshu Mallik** 

CEO, Adani Wilmar Limited

Been a part of Adani Wilmar since its inception in 1999, playing a critical role in the rise of Fortune as India's No.1 edible oil brand. Prior to joining Adani Wilmar, Mr Mallick was associated with the National Dairy Development Board (NDDB) and Amul



### Jeyakumar Janakaraj

CEO, AdaniConnex

Rich experience of 21 years in the resources industry, building and developing world-class mining projects and resource companies. In 2006, he was awarded the Gold Medal by the Indian Institute of Metals for his contributions to the non-ferrous metallurgical industry

### **AEL:** ESG Backed Assurance





To be a world class leader in businesses that enrich contribute to nations in building infrastructure through sustainable value creation.

### **Our Key ESG Commitments**

- · No net loss to biodiversity and 100% alignment with IBBI
- Becoming a net water positive company
- Become a signatory to UN Global Compact (UNGC)
- Airport and data center businesses to become operational net zero by 2030

- Creating shared value for communities through integrated and sustainable development
- · Achieve 'zero harm' through institutionalizing systems, controls and standards

| Guiding principles |      |      |  |  |  |  |
|--------------------|------|------|--|--|--|--|
| UNGC SDG SBTi      |      |      |  |  |  |  |
| GRI Standard       | BRSR | DJSI |  |  |  |  |
| TCFD               | IBBI | CDP  |  |  |  |  |

|   | Policy Structure   |
|---|--|
| E | <ul><li>Environment Policy</li><li>Energy and Emission Policy</li><li>Water Stewardship Policy</li><li>Biodiversity Policy</li></ul> |
| S | <ul><li>Human Rights</li><li>Corporate Social Responsibility Policy</li><li>Occupational Health and Safety Policy</li></ul>          |
| G | <ul><li>Board Diversity</li><li>Anti-corruption and anti-bribery</li><li>Related Party Transaction Policy</li></ul>                  |

### **Focus Area**

- Climate Action
- Affordable and clean energy
- · Clean water and sanitation
- · Responsible consumption
- Biodiversity conservation
- No poverty

- Zero hunger
- · Good health and well being
- · Quality education
- · Decent work and economic growth
- Industry, innovation & infrastructure

### Policy and ESG Alignment framework backed by robust assurance program

### **AEL:** ESG - Overview & Targets



### **Material Topic**

### **FY 25 Targets**

### **Key ESG Initiatives/Achievements**

### **UN SDGs**

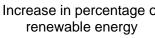




Reduction in energy intensity<sup>2</sup>

Increase in percentage of renewable energy

**20**%







**15**%

Reduction in water

consumption intensity

### **Water Management**

~22% reduction<sup>1</sup> in water consumption intensity<sup>3</sup> achieved by Mining services

### **Waste Management**

More than 99% of waste diverted from going to landfill during 9MFY25.

~52% electricity consumption from RE sources for Airports business

~56% electricity consumption from RE sources for Data Center business

12% reduction<sup>1</sup> in scope 1+2 emission intensity<sup>3</sup> achieved by the Mining Services

### **Waste Management**

Water

Management





Waste diverted from going to landfill

### **Occupational Health and Safety**

All operational sites assessed for health and safety.

4,56,671 trees planted by mining services in 9MFY25

· Zero employee fatalities in 9MFY25.

**Climate Change Mitigation and Adaptation** 

### **Occupational Health and Safety**

Health and Safety assessment of all Plants and Offices

### **Awards and Recognition**

- Adani Enterprises Limited won the India Sustainability Conclave Award 2024 for "Great Indian Best Overall Sustainable Performance"
- ANIL Ecosystem WTG business won the prestigious Platinum Award in the category of "Occupational Health and Safety" in Golden Bird National Award 2024
- · Adani Connex Hyderabad Site has been awarded the British Safety Council Sword of Honor for 2024

# 3 GOOD HEALTH AND WELL-BEING





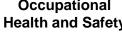














Zero health & safety related injuries

### **AEL:** Strong Governance Framework



| Key Items                       | Key Highlights  |
|---------------------------------|---|
| Board                           | ✓ 50% Independent Directors   |
| Independence                    | ✓ 12.5% Women Directors   |
| Corporate<br>Responsibility,    | ✓ Corporate Responsibility Committee in place with 100% Independent Directors to<br>provide assurance on ESG aspects  |
| CSR & Nomination & Remuneration | <ul> <li>✓ Corporate Social Responsibility Committee in place with 67% Independent<br/>Directors</li> </ul>           |
|                                 | ✓ Nomination and Remuneration Committee with 100% Independent Directors   |
| Audit Oversight                 | <ul> <li>✓ Audit Committee consisting of 100% Independent Directors (100% non-promoter,<br/>non-executive)</li> </ul> |
|                                 | ✓ Statutory Auditors : M/s. Shah Dhandharia & Co. LLP   |
| Risk Management                 | ✓ Risk Management Committee in place with 50% Independent Directors   |
|                                 | ✓ Sub-Committees of Risk Management Committee with 67% independent directors:   |
|                                 | <ul> <li>Mergers &amp; Acquisitions Committee</li> </ul>  |
|                                 | <ul><li>Legal, Regulatory &amp; Tax Committee</li><li>Commodity Price Risk Committee</li></ul>                        |
|                                 | <ul> <li>Reputation Risk Committee</li> </ul>   |
| Related Party Transactions      | ✓ Detailed Policy in place for Related Party Transactions (RPT) to ensure all RPTs are on 'arm's length' basis        |
|                                 | ✓ All RPTs are reviewed by the Audit Committee and are duly disclosed in the annual report                            |
|                                 | ✓ All RPTs beyond statutory thresholds require shareholder approval by way of ordinary resolution                     |
| Stakeholders<br>Relationship    | ✓ Stakeholders Relationship Committee in place with 75% Independent Directors   |
| Anti Corruption                 | ✓ Anti Corruption and Anti Bribery policy in place with Zero tolerance  |
| and Anti Bribery &              | ✓ Code Of Conduct for Board Of Directors and Senior Management in place   |
| Code of Conduct                 | ✓ Insider Trading Code in Place   |

### **ESG Governance Structure Board of Directors** $\forall$ Corporate Social Corporate Stakeholder Risk Management Responsibility Responsibility Relationship Committee Committee Committee Committee ESG Head - AEL Corporate ESG Heads - AEL BUs

### **Roles & Responsibilities**

- Defining and setting ESG priorities for AEL
- Development of ESG related policies, and procedures
- Support AEL BUs for developing transition plan to become operational net zero
- · Capacity Building on ESG for

- businesses including training
- Submit response to key ESG rating agencies such as DJSI and CDP and develop ESG & BRSR Report.
- ESG target setting and monitoring performance

### **Roles & Responsibilities of BU ESG Teams**

- Create business-level ESG strategy, implementation and monitoring plan.
- Develop decarbonization strategy with an objective to become a Net
- Zero business
- Manage ESG related compliance obligations.
- Business specific ESG disclosures

### **AEL:** Board of Directors and Management overview



### 100% Chaired by IDs IDs **Statutory Committees** 40% $\overline{\mathbf{V}}$ - Audit Comprised of only $\overline{\mathsf{V}}$ - Nomination & Remunerations Independent Directors $\overline{\mathbf{V}}$ - Stakeholder Relationship 100% of $\overline{\mathbf{V}}$ - Corporate Social Responsibility Statutory Committees Chaired by - Risk Management $\overline{\mathbf{V}}$ Independent Directors **Non-statutory Committees** $\overline{\mathbf{V}}$ - IT & Data Security $\overline{\mathsf{V}}$ Additional Business - Corporate Responsibility specific committees $\overline{\mathbf{V}}$ - Mergers and Acquisition 29% $\overline{\mathbf{V}}$ - Legal, Regulatory & Tax Fully comprised of Independent Directors $\overline{\mathbf{V}}$ - Reputation Risk 100% $\overline{\mathbf{V}}$ - Commodity Price Risk Chaired by Independent Directors - Public Consumer $\overline{\mathsf{V}}$

### **Pathway to strengthen Corporate Governance**

- Tenure of IDs upto 3 years for max. 2 terms
- Gender Diversity Min. 30% female directors
- Management Ownership CEO and member of executive committees to have share ownership
- Related Party Transactions Independent 3rd party review & certification
- Training & Education Min. 4 sessions in a year for education of IDs

### **Board of Directors**

### **Independent Directors**



Vijayalaxmi Joshi



- Corporate affairs
- Regulatory & legal



Hemant Nerurkar 📀

### 35+ Yrs of Experience Skill & Expertise

- Business transformation
- Supply chain & marketing
- Quality control



Omkar Goswami 🐼



- Economist
- Financial planning



Subramanian 📀

**40+** Yrs of Experience Skill & Expertise

- · Expert of aviation industry
- Business development

### **Non-Independent Directors**



Gautam Adani

Chairman

- Skill & Expertise
- Entrepreneurial Vison
- Business Leadership



Rajesh Adani Managing Director

Skill & Expertise

- Business relationship
- Execution



**Pranav** Adani Director

Skill & Expertise

- · Business relationship
- · Industry leader

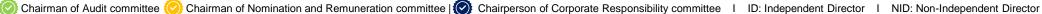


Vinay **Prakash** 

Director

Skill & Expertise

- Project planning & execution
- · Leader of natural resources industry







### **AEL:** ESG Ratings



| Ratings  |                    |         |  |  |  |  |
|--|--------------------|---------|--|--|--|--|
| S&P Dow Jones<br>Indices<br>A Division of S&P Global | DJSI CSA<br>(2024) | 63      | AEL's DJSI CSA gross score(without the impact of an controversies) is 77, placing it as a sector leader globally (the best performer has a score of 71) in S&P ESG Ratings. For AEL, the gross score has improved by 16 points YoY |  |  |  |
| CDP DRIVING SUSTAINABLE ECONOMIES                    | CDP - CC<br>(2024) | Α-      | Denotes "Management level" which means company is taking coordinated action on climate issues  |  |  |  |
|  | Sustainalytics     | 33.4    | Denotes "High Risk". Improvement from previous rating of 34.3  |  |  |  |
| CRISIL An S&P Global Company                         | CRISIL             | 50      | Increase from previous score of 48   |  |  |  |
| Transition Pathway Initiative                        | TPI                | Level 3 | Denotes 'Integrating into Operational Decision Making'   |  |  |  |
| LSEG   | LSEG               | 58      | Denotes good relative ESG performance and above average degree of transparency in reporting material ESG data publicly. Increase from previous score of 57   |  |  |  |
| <b>CSRHUB</b> °                                      | Consensus<br>ESG   | 79      | Consistent ranking above the industry average. Increase from previous score of 65  |  |  |  |
|  | MSCI               | CCC     |  |  |  |  |











### **AEL:** Incubation Case Study 1- AAHL India's largest airport platform in <5 years



### **AEL Case Study – Adani Airports**

### India Growth Story → Air Traffic and Air Penetration ↑

### **GDP Growth**



India: > 7%+World Average: 2.6%

### Per Capita Income



India: 2.484 USD World Average :13,138



### **Per Capita Trips**



India: 0.2 US: 2.1 China: 0.5

India is 3rd largest global domestic aviation market

### Lack of critical Infra

### **Government Run Privatized Airports**

Non Aero Revenue %

> 10 m Pax p.a.

#

125 ~15% 1% of

**Airports** 

16 40-60%+ >50% of **Airports** 

### **Massive Market Opportunity in Airports Sector in India**

### **AEL Strategy**

- Second Round of privatization in 2019, 6/6 airports secured by AEL under competitive bidding
- Acquired MIAL (privatized in 2006) & NMIAL (privatised in 2018) in 2021
- Aero capex for modernization undertaken at 6 airports
- Started NMIAL construction and underway to be operational by 2025
- Post COVID pax traffic ramped up to 90 m pax
- Total non pax + pax > 300 m consumers
- Digital overlay Adani one app launched (5.5 m active users)
- Non Aero revenue in 6 airports ↑ to 40-42%. MIAL - >60%; targeting diversification of revenue and consumer targeting
- City Side Strategy is underway 20 m sq ft in Phase I

### Other Businesses on same track

### **Green Hydrogen**

- Solar & Wind Manufacturing

### **Data Centers**

### **Roads and Water**

### Consumer

- Digital
- Adani Wilmar

### **Primary Industry**

- Copper
- PVC
- Commercial Mining
- Mining Services
- IRM

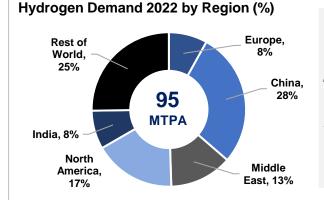
### **AEL:** Incubation Case Study 2 – ANIL once in a generation energy indigenization play



### **Key Notes:**

- India's Government has stated that "the importance of Green Hydrogen for India cannot be overstated."
- Green Hydrogen will drive the transition to a low carbon economy, being essential for decarbonization as it can replace fossil fuels
- Adani is well positioned to lead the market, managing green hydrogen's production complexities through its robust and established ecosystem
- Delivering cheapest green electron to cheapest green hydrogen and green Hydrogen derivatives in the world

### **Global Hydrogen Demand by Region**



Low emissions
hydrogen
(blue/green H<sub>2</sub>)
production accounts
for only ~1 MTPA,
out of which
hydrogen from water
electrolysis (green
hydrogen) is ~0.135
MTPA

### India's Green Hydrogen Target

### Hydrogen as a Strong Substitute for Traditional Fuels



### 5 MT Green H<sub>2</sub>

Minimum domestic annual production



India Petroleum, Gas, Fertiliser import bill ~\$200b. 10% ↑ in oil prices → CAD ↑ 30-40 bps



### 125 GW Renewable Energy

Capacity requirement for Green H<sub>2</sub> and associated transmission networks





End uses include Fertiliser, transport, industrial usage → Energy security for India

### Adani Positioned to Win in the Green Hydrogen Market

### What it takes to win

- 1 Competitive Cost of Green Electrons
  - Input power costs c.70% of the total cost of producing green H<sub>2</sub>
  - Economies of scale and large resources to facilitate low-cost electrons
  - Expertise in renewable energy generation
- 2 End-to-end supply chain management and resource control
  - Execution risk mitigation by full integration of supply chain
  - Tight control on capital expenditure and other resources
- 3 Integrated Green Hydrogen ecosystem
  - Integrated development across the entire value chain (pipelines/transport, storage facilities, port facilities and terminals)
  - Downstream manufacturing/ process industries

### How Adani is Delivering

### Large-scale renewables presence with high quality resources

- Secured land for RE production with highest solar irradiation
- Building large sites helps reduce cost of green electrons

### Silica-to-module manufacturing ecosystem

- All key components of Green H<sub>2</sub>
- Solar and Wind Manufacturing businesses have already achieved scale
- Projects within the ecosystem at Mundra (solar, wind, electrolysers)

### Leveraging the Adani ecosystem: Renewables, Transmission, Ports, Logistics, Gas, Co-Firing

- Green H<sub>2</sub> and derivatives hub at Mundra, Gujarat
- Integration into Global supply chain for Hydrogen and derivatives
- Leveraging Adani Portfolio for marketing of projects for domestic demand & international markets



### **ACX:** Benchmarking Data Centers Globally

















| Operational Presence and KPIs         |  |  |  |  |  |                              |   |
|---------------------------------------|--|--|--|--|--|------------------------------|---|
| Verticals                             | Wholesale (Turnkey),<br>Retail, Interconnect /<br>Networking | Wholesale (Turnkey),<br>Wholesale (Powered<br>Base Shell), Retail,<br>Interconnect /<br>Networking | Wholesale (Turnkey),<br>Retail, Interconnect /<br>Networking | Wholesale (Turnkey),<br>Retail, Interconnect /<br>Networking                                 | Wholesale (Turnkey),<br>Wholesale (Powered<br>Base Shell), Retail,<br>Cloud / Managed<br>Hosting, Interconnect<br>/ Networking | Wholesale (Turnkey)          | Wholesale (Turnkey),<br>Retail, Cloud /<br>Managed Hosting,<br>Interconnect /<br>Networking |
| Capacity <sup>1</sup>                 | 715 MW   | 1 GW   | 150 MW   | 407.4 MW   | 1.2 GW   | 604 MW                       | ~600 MW   |
| Geographical Presence                 | Global Presence  | Global Presence  | Hong Kong  | Australia with data<br>centers under<br>development in<br>Malaysia, New<br>Zealand and Japan | US (10 states) and<br>Netherlands  | China, India and<br>Malaysia | China and Hong Kong   |
| Financial KPIs                        |  |  |  |  |  |                              |   |
| TTM <sup>2</sup> Avg - Revenue Growth | 10.6%  | 12.0%  | 14.9%  | 34.6%  | 17.8%  | 61.7%                        | 3.9%  |
| TTM <sup>2</sup> Avg – EBITDA margin  | 45.1%  | 52.0%  | 70.7%  | 45.1%  | 55.7%  | 53.0%                        | 27.0%   |
| EV / EBITDA CY24E                     | 23.6x  | 19.9x  | 11.7   | 41.1x  | 29.7x <sup>(3)</sup>   | 7.9x                         | 7.7x  |

Source: RBC Capital Markets Research, Alphasense, Factset.

<sup>&</sup>lt;sup>1</sup> In service + under construction.

<sup>&</sup>lt;sup>2</sup> Trailing 12 month as at Q1 2024.

<sup>&</sup>lt;sup>3</sup> Implied valuation multiple from sale to Blackstone in 2021

# adani

# Thank You

