

## **Disclaimer**



Certain statements made in this presentation may not be based on historical information or facts and may be "forward-looking statements," including those relating to general business plans and strategy of Adani Enterprises Limited ("AEL"), the future outlook and growth prospects, and future developments of the business and the competitive and regulatory environment, and statements which contain words or phrases such as 'will', 'expected to', etc., or similar expressions or variations of such expressions. Actual results may differ materially from these forward-looking statements due to number of factors, including future changes or developments in their business, their competitive environment, their ability to implement their strategies and initiatives and respond to technological changes and political, economic, regulatory and social conditions in India. This presentation does not constitute a prospectus, offering circular or offering memorandum or an offer, or a solicitation of any offer, to purchase or sell, any shares and should not be considered as a recommendation that any investor should subscribe for or purchase any of AEL's shares. Neither this presentation nor any other documentation or information (or any part thereof) delivered or supplied under or in relation to the shares shall be deemed to constitute an offer of or an invitation by or on behalf of AEL.

AEL, as such, makes no representation or warranty, express or implied, as to, and does not accept any responsibility or liability with respect to, the fairness, accuracy, completeness or correctness of any information or opinions contained herein. The information contained in this presentation, unless otherwise specified is only current as of the date of this presentation. AEL assumes no responsibility to publicly amend, modify or revise any forward-looking statements, based on any subsequent development, information or events, or otherwise. Unless otherwise stated in this document, the information contained herein is based on management information and estimates. The information contained herein is subject to change without notice and past performance is not indicative of future results. AEL may alter, modify or otherwise change in any manner the content of this presentation, without obligation to notify any person of such revision or changes.

No person is authorised to give any information or to make any representation not contained in and not consistent with this presentation and, if given or made, such information or representation must not be relied upon as having been authorised by or on behalf of AEL.

This presentation does not constitute an offer or invitation to purchase or subscribe for any securities in any jurisdiction, including the United States. No part of this presentation should form the basis of or be relied upon in connection with any investment decision or any contract or commitment to purchase or subscribe for any securities. None of our securities may be offered or sold in the United States, without registration under the U.S. Securities Act of 1933, as amended, or pursuant to an exemption from registration therefrom.



# Contents

1	Executive Summary – AEL	4
2	Transport and Logistics Business	
2a	Airports: Adani Airport Holdings Limited ("AAHL")	12
2b	Roads: Adani Road Transport Limited ("ARTL")	22
3	Energy and Utility Business	
3a	Green Hydrogen: Adani New Industries Limited ("ANIL")	26
3a(i)	ANIL: Manufacturing	28
3a(ii)	ANIL: Green Hydrogen - The Game Changer	33
3b	Data Center: AdaniConnex Private Limited ("ACX")	39
4	Primary Industry Business	
4a	Copper and PVC	43
4b	Mining Services, Commercial Mining, IRM	49
	Annexures	53

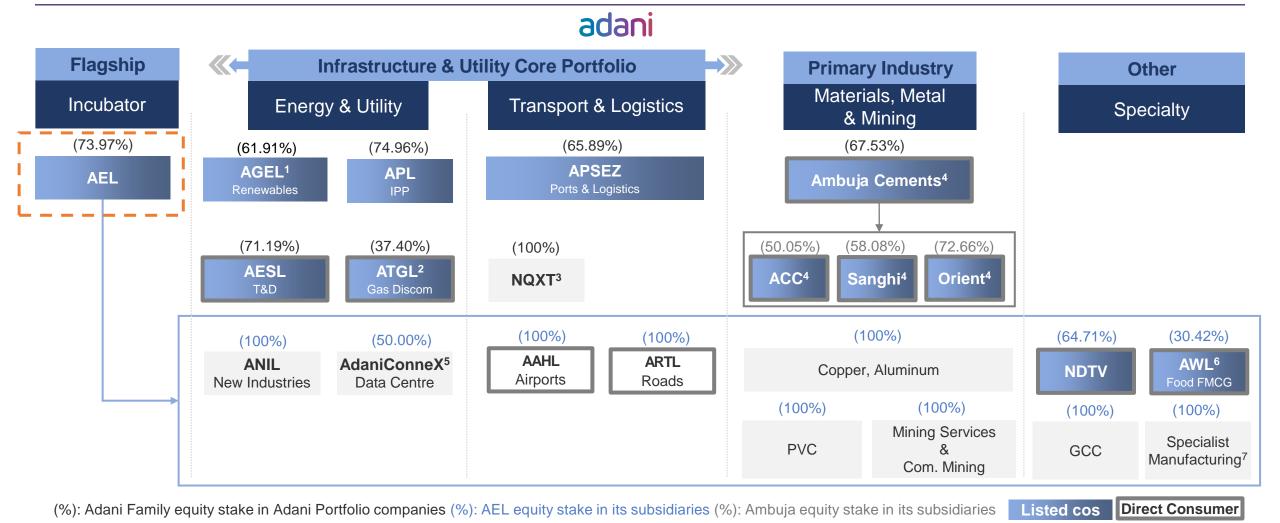


# **Executive Summary**

Adani Enterprises Limited ("AEL")

# Adani Portfolio: A World Class Infrastructure & Utility Portfolio





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

<sup>1.</sup> All 2,24,58,864 share warrants outstanding as of 30<sup>th</sup> June 2025 were converted during July 2025. Following the conversion, promoter shareholding in AGEL increased to 62.43% as of 18<sup>th</sup> July 2025 | 2. ATGL: Adani Total Gas Ltd, JV with Total Energies | 3. NQXT: North Queensland Export Terminal. On 17<sup>th</sup> Apr'25, Board of Directors have approved the acquisition of NQXT by APSEZ, transaction will be concluded post pending regulatory approval. | 4. Cement includes 67.53% (67.57% on Voting Rights basis) stake in Ambuja Cements Ltd. as on 30<sup>th</sup> Jun'25 which in turn owns 50.05% in ACC Limited. Adani directly owns 6.64% stake in ACC Limited. | 5. Data center, JV with EdgeConnex | 6. AWL Agri Business Ltd.: AEL to exit Wilmar JV, diluted 13.50% through Offer For Sale (Jan'25), 10.42% stake has been diluted through Block Deal during Jul'25, agreement signed for residual 20% stake dilution. | 7. Includes the manufacturing of Defense and Aerospace Equipment | AEL: Adani Enterprises Limited | APSEZ: Adani Ports and Special Economic Zone Limited | AESL: Adani Energy Solutions Limited | T&D: Transmission & Distribution | APL: Adani Power Limited | AGEL: Adani Green Energy Limited | AAHL: Adani Airport Holdings Limited | ARTL: Adani Roads Transport Limited | ANIL: Adani New Industries Limited | IPP: Independent Power Producer | NDTV: New Delhi Television Ltd | PVC: Polyvinyl Chloride | GCC: Global Capability Centre | Promoter's holdings are as on 30<sup>th</sup> June, 2025.



# 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 647,863

In June 2025

**Effective Share Price Growth** 

CAGR Delivered by

VS

10%

CAGR Delivered by BSF SFNSFX

...today holds 80 shares AEL, 113 shares APSEZ, 149 shares APL, 80 shares of AESL, 61 shares of AGEL & 80 shares of ATGL, valued @ 4,319x 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** Market **FY25 EBITDA** Overview Cap<sup>1</sup> adani \$2.4b \$36.5b Largest transport utility in India with 28% market share of EXIM Ports and Logistics +33% 5Y CAGR +17% Cargo in India 5Y CAGR Demerged: 2015 India's largest private energy adani \$12.4b \$0.9b solution company with **Energy Solutions** transmission, distribution & smart +11% 5Y CAGR 5Y CAGR metering businesses Demerged: 2015 \$26.3b \$2.8b adani Largest private base load power producer in India with an installed Power +75% +27% capacity of 18,150 MW **5Y CAGR 5Y CAGR** Demerged: 2015





Demerged: 2018

Largest CGD business with presence across 53 GAs touching 14% of India's population

5Y CAGR \$8.7b +34% 5Y CAGR

\$18.9b

\$0.1b +13% **5Y CAGR** 

\$1.2b

+42%

5Y CAGR

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

\$102.8b

5Y CAGR

\$7.4b

+22% 5Y CAGR

<sup>1</sup> Market Cap and share price as on 30th June, 2025 | USD/ INR Exchange Rate as on 30th June, 2025: INR 85.7600/ USD | FY25 EBITDA CAGR = 5 Yr CAGR

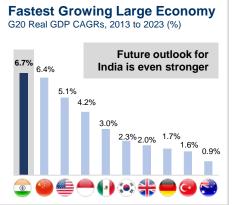
# India | Colossal Growth Opportunity

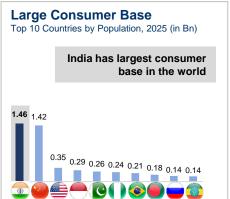


#### **Key Highlights:**

- India's real GDP grew at
  6.5% in FY25 & is estimated to grow at
  6.8% in FY26.
- India's target to be a developed economy by 2047: ~\$35 Tn GDP with 10-11% nominal growth rate
- With rapid urbanization and rising consumption, Indian Infrastructure is at the cusp of multi-decade super cycle.

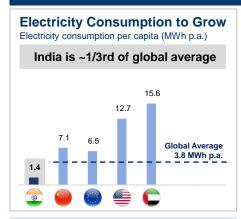
#### Fastest growing economy + large consumer base....





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

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



Explosive growth in power generation, transmission and distribution sectors

# Decarbonisation Drive and Focus on reducing CAD

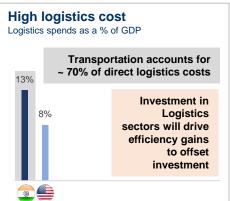
USD b	'22	'23	'24
Goods Bal	(189)	(265)	(242)
Petroleum Bal	(95)	(112)	(96)
Services Bal	108	143	163
Trade Balance	(82)	(122)	(78)
Net remittance	43	55	56
Cur a/c Deficit	(39)	(67)	(23)

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

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



As Indians shift to air travel, airports biggest beneficiary



Scaled Road network to drive lowering of logistics cost

#### Fully developed Indigenous digital stack

# Digital Transactions under UPI Umbrella

**Identification Layer** 

Transaction Layer

UNIFIED PAYMENTS INTERFACE

share of India in

real-time digital

transactions (FY25)

186 bn # of transactions in India in FY25

Global Market

>48%

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

#### **India Al Mission**



\$1.2 bn

Govt. allocation to strengthen Al capabilities

#1

India ranks #1 in Global Al skill penetration according to Stanford Al Index 2024

14x

Al skilled workforce has seen a 14x increase from 2016 to 2023

+ AI → Datacenter Demand → Power Demand





# AEL: poised in multi trillion dollar growth opportunity



Business	<b>Current Scale</b>		Growth	Pathway	Theme
Airports (Adani Airport Holdings Ltd.)	300m+ consumers <sup>(1)</sup> 94m pax		550m+ consumers <sup>1</sup> > 150m pax (2028)	<ul> <li>Portfolio of 8 Airports controlling over 50% of top 10 domestic routes</li> <li>21% of Indian Air Traffic, ~29% Cargo</li> </ul>	Transport and Logistics
Roads (Adani Road Transport Ltd.)	5,351 lane kms		>12,000 lane kms (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 Infra
Green Hydrogen RE Supply Chain (Adani New Industries Ltd.)	Solar Manufacturing of 4.0GW WTG 2.25GW	•	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>Solar Mfg –Expansion started for additional 6 GW of TopCon Module and Cell</li> <li>Wind - capacity expanded to 2.25 GW</li> </ul>	Energy Transition, Address CAD
Data Center (AdaniConneX Ltd.)	211+ MW of operational and UC data centers		1 GW (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 Stack
Primary Industry	MDO – 43 MTPA Cu – 0.5 MTPA PVC – UC	•	MDO – 100 MTPA Cu – 1 MTPA PVC – 2 MTPA	<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 CAD Import Sub

1 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<sup>1</sup>**

#### Adani Infra (India) Limited | ITD Cementation India Ltd. | PSP Projects Ltd.

#### Origination

- · Analysis & market intelligence
- Viability analysis

#### **Site Development**

- Site acquisition
- Concessions & regulatory agreements

#### Construction

- Engineering & design
- Sourcing & quality
- Project Management Consultancy (PMC)

#### **OPERATIONS**

#### Operations (AIMSL)

#### Operation

- Life cycle O&M planning
- Asset Management plan



Energy Network **Operation Center** (ENOC)

#### Consumer | Employees | Other Stakeholders **Inspired Purpose & Value Creation**

 Delivering exceptional products & services for elevated engagement

**CONSUMERS** 

New C.E.O.

· Differentiated and many P&Ls



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

ERFORMANCE

ENAB

(Mundra - Mohindergarh) Strategic value

**Investment Case** Development

Line in Asia

**Longest Private HVDC** 

**Duration** Risk Matching

**Governance & Assurance** 

**Diversified Source of Capital** 

Risk Management - Rate & Currency

Growth Capital - Platform

World's largest

(at Khavda)

Renewable Cluster

Infrastructure Financing Framework

14% March 2016

**Al enabled Digital Transformation** 

March 2025 26%

**Long Term Debt** 

350 Mn

Adani's Core Infra. Platform -

Userbase

PSU Banks

Pvt. Banks

USD Bonds

DII

NBFCs & FIs

Global Int. Banks

Policy, Strategy & Risk Framework

Mapping

Development

- Leadership Development Initiatives
- Investment in Human Capital

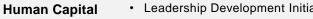
- Power Utility Business ENOC
- · City Gas Distribution SOUL

Transportation Business - AOCC



Continued Focus & Investment





Note: 1. ITD Cementation India Ltd.: Completed acquisition of 67.47% shares (20.83% from public through open offer and 46.64% from erstwhile promoters). PSP Projects Ltd.: AllL has acquired 11.32% shares from public through open offer. In process of complying with conditions for acquisition of shares from existing promoters. Once the transaction is completed, AIIL and existing promoters shall hold equal shareholding. | 2. Adam Environmental Resource Management Services Ltd. (additional company is being proposed) | O&M: Operations & Maintenance | HVDC: High voltage direct current | PSU: Public Sector Undertaking (Public Banks in India) | GMTN: Global Medium-Term Notes | SLB: Sustainability Linked Bonds | AEML: Adani Electricity Mumbai Ltd. | AIMSL Adani Infra Mot Services Pvt Ltd | IG: Investment Grade | LC: Letter of Credit | DII: Domestic Institutional Investors | COP26: 2021 United Nations Climate Change Conference | AGEL: Adani Green Energy Ltd. | NBFC: Non-Banking Financial Company | AIIL: Adani Infra (India) Ltd. | AOCC : Airport Operations Control Center

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



#### Proven track record of successful incubation

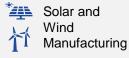
- AEL, as an incubator of new businesses has over the last three decades:
  - seeded new businesses and developed them into scaled market leaders in emerging sectors; and
  - subsequently demerged them into independently listed platforms, thereby unlocking
  - past track record includes market stalwarts 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 (FY25 EBITDA -₹ 16,722 Cr) and robust incubation pipeline will further accelerate value creation for AEL's shareholders

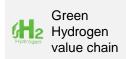
#### **Current pipeline of scalable businesses**



Airports

Roads







Primary Industries

Data

Centers

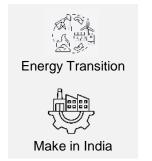
#### Diverse set of assets across India



## **Key Macro Themes**



India Growth Story & expanding Middle class



# Critical Infrastructure Al and Digital

## **Key Operating Metrics**

8 | 94m

Airports | pax p.a.

Navi Mumbai Airport Under Construction 4gw | 2.25gw

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 (FY25)**

₹16,722 Cr

**EBITDA** 

▲ **+26%** YoY

₹31,767 Cr

Capex

▲ **+46%** YoY

₹1,12,568 Cr

Gross Assets

▲ +33% YoY

₹49,306 Cr

Net Debt

▲ **+59%** YoY

# **AEL:** Financials summary



Income Statement	FY22A	FY23A	FY24A	FY25A
Revenue	65,309	1,28,734	98,282	1,00,365
EBITDA	4,570	10,012	13,237	16,722
EBITDA Margin (%)	7.00%	7.78%	13.47%	16.66%
Interest Costs	2,473	3,969	4,555	5,978
Depreciation	1,248	2,436	3,042	4,211
Profit After Tax	698	2,464	3,240	7,099
Cash PAT	1,946	4,900	6,282	11,310
Balance Sheet	FY22A	FY23A	FY24A	FY25A
Net Worth	26,928	37,890	44,186	56,470
Shareholders' Sub-Debt	12,541	10,544	12,090	19,968
External Debt	28,483	27,776	38,035	56,269
Total Liabilities	74,832	1,03,598	1,16,546	1,41,665
Net Fixed Assets	34,103	63,207	79,227	96,919
CWIP	19,564	17,699	21,931	31,857
Annual Capex cash outflow	11,647	14,725	22,366	29,171
Cash & Equivalents	3,979	5,539	8,523	9,218
Net Current Liabilities	12,904	7,781	7,532	6,657
Total Assets	1,01,760	1,41,488	1,60,732	1,98,136
Key Multiples	FY22A	FY23A	FY24A	FY25A
Net External Debt / EBITDA (x)	5.36	2.22	2.23	2.81

#### Key highlights

#### **Key business update: FY25**

#### Airports

- Pax movements 94.4 Mn, 7% YoY
- 40 New Routes, 16 New Airlines and 43 New Flights
- Navi Mumbai completed commercial flight validation

#### ANIL

- Module sales ~4.3 GW, 59% 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 80 % completed
- PCOD -1 BOT & 1 HAM received
- Ganga Express to go live by FY26

#### Others

- Ph 1 of HYD DC (9.6MW) and Noida DC (10MW) operational.
- Mining Services: Prod vol 47 MMT, 45% 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 20% of AWL
- 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



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

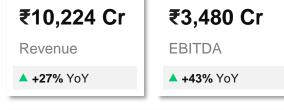
- Adani Airports is India's largest airport operator with eight airports and a market share of c. 22% in passengers and c.29% in air cargo
- 6 Airports have concession life of 50 years, MIAL till 2066, NMIAL upto 2078
- Navi Mumbai International Airport (NMIA) is under construction with a total capacity of 90m pax
  - Phase 1 having capacity of **20m pax** is on track to commence operations by FY26.
- 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 | 6.4m Jaipur | 6.1m Ahmedabad | 13.4m **Mumbai** | 55.1m Navi Mumbai | Under Construction Guwahati | 6.2m Mangaluru | 2.3m Trivandrum | 4.9m



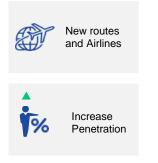
# **Key Operating Metrics** 94m Pax Handled in FY25 Airports Navi Mumbai Airport ▲ +6% YoY Under Construction (UC) 624k 1.1MMT Air Traffic Movements Cargo ▲ +5% YoY ▲ +8% YoY

# **Key Financial Metrics (FY25)**





#### **Key Business Focus Areas**

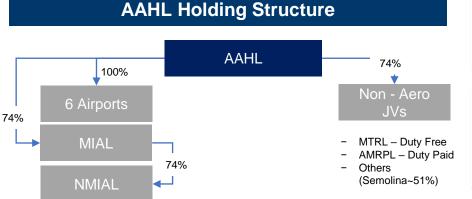










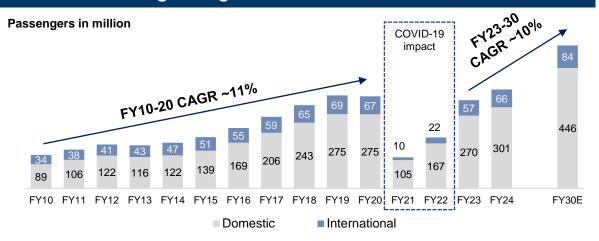


<sup>\*</sup> Assuming extensions as per the concession agreement and rebidding of 20 years

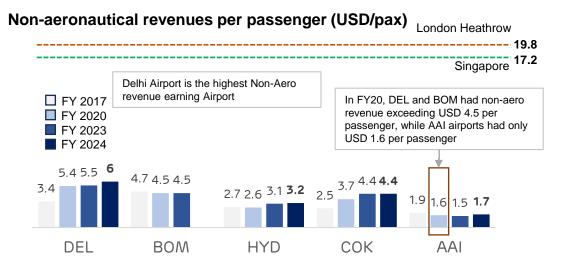
# AAHL: Market Outlook - India is the fastest growing aviation market in the world



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

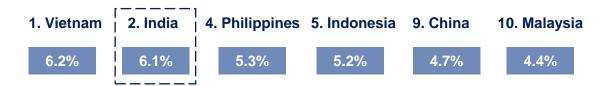


# Private Airports Successfully Augmenting Non-aero Revenues



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

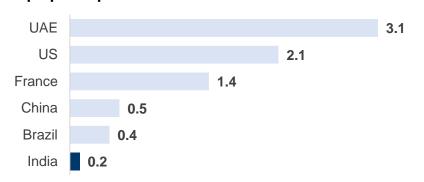
CAGR (2018-40) - Top 10 fastest growing Asia Pacific aviation markets by pax



- 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**

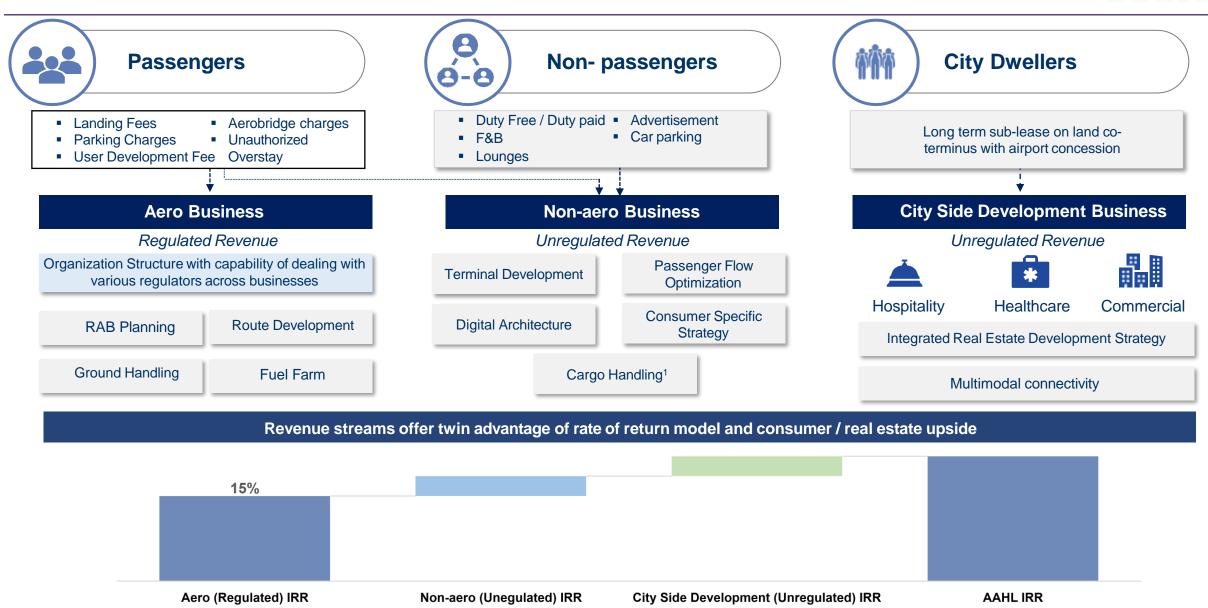
#### Trips per capita



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

# **AAHL:** Commercial Model

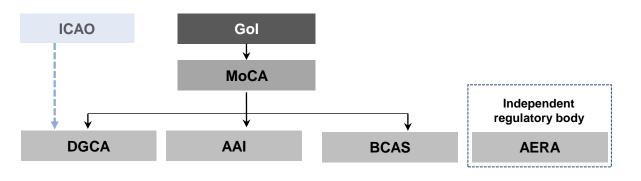




# **AAHL:** Stable and mature regulatory framework





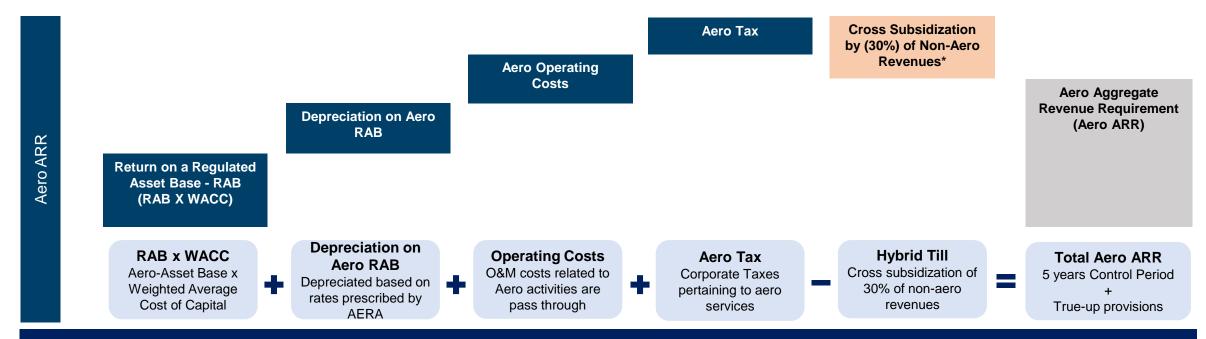


Well-Defined Model Regulatory environment has evolved to become more mature and efficient

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



Capacity Creation

- 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** 2 assets created
- Generating brand value by efficient 3 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 3<sup>rd</sup> 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

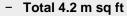


**Hotels** 

- 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



- 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



**Entertainment** 

#### - 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
- Rainforest Café 5 locations, 0.1 m sq ft
- Entertainment Concept 22 locations, 0.06 m sq ft



- Total 2.4 m sq ft
- 6 hospitals, 2200 beds, 2.4 m sq ft













# **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

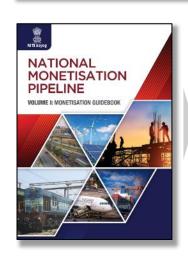
- Non-Aero Spend **Matching Global Average**
- Non-Aero spend per pax lower in India amongst other airports globally. Potential for 2x-3x growth from current levels
- **City Side Development Potential**
- Phase 1 city side development for ~20 m sq. ft. with total potential of ~150 m sq. ft.
- **Privatisation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

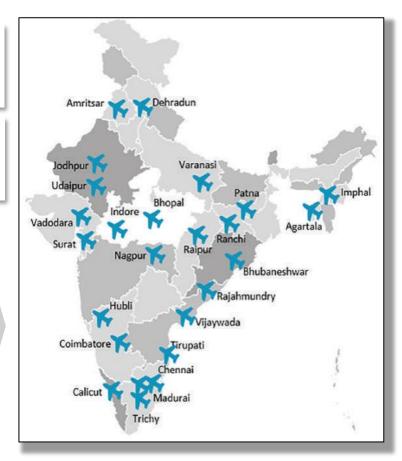
#### National Monetization Pipeline<sup>1</sup>

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



# **Transport and Logistics Business**

Roads: Adani Road Transport Limited ("ARTL")

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



5,351

Lane kms

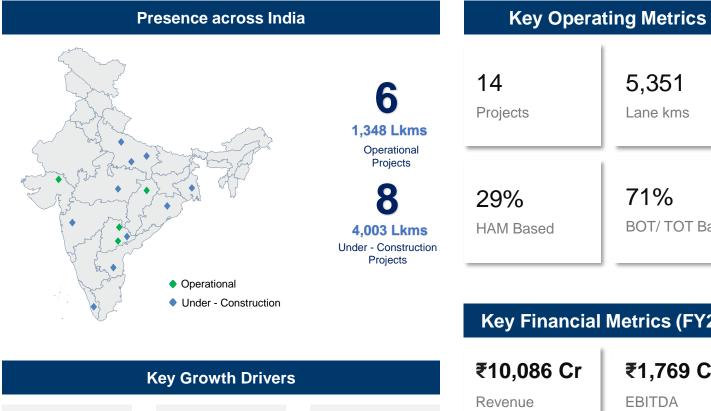
71%

**BOT/TOT Based** 

#### **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





systems



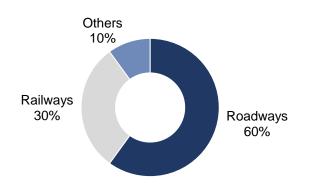
# ARTL: Market Outlook - Roads are critical for Infrastructure Development & Economic Growth



#### **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

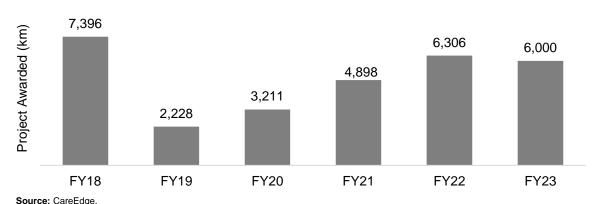
Post the pandemic effect in FY21, the sector's growth rate has returned to prepandemic level of 3.2% of India's GDP

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

Year	FY18	FY19	FY20	FY21	FY22
Road Transport (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%

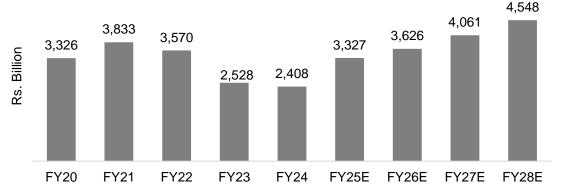
#### NHAI's Highway Project Length Triples since FY19

#### **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: CareEuge.



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

Asset	Type (	Counterparty	Lanes Kms	Completion Status <sup>1</sup>	COD <sup>2</sup> / Expected COD Date	Current Concession End Date	Remaining Concession Period as on 31 March 2025
BPRPL	HAM	NHAI	213	Operational	Jul-22	Jul-37	12.3
SKRPL	HAM	NHAI	235	Operational	Sep-22	Sep-37	12.5
MRRPL	HAM	NHAI	168	Operational	Dec-22	Dec-37	12.8
PRSTPL	TOT	NHAI	198	Operational	Nov-21	Nov-41	16.8
KKRPL	HAM	NHAI	127	Operational	Aug-24	Aug-39	13.4
PPRPL	BOT	NHAI	407	Operational	Sep-24	Mar-42	17.0
Sub total - Operational			1348				14.2
VBPPL	HAM	NHAI	107	92%	Dec-25	Dec-39	14.8
NPRPL	HAM	NHAI	190	86%	Dec-25	Dec-39	14.8
BKRPL	HAM	NHAI	285	89%	Dec-25	Dec-39	14.8
AVRPL	HAM	NHAI	245	65%	Mar-26	May-40	15.2
BHRPL (Ganga Expressway)	BOT	UPEIDA	910	85%	Mar-26	Nov-52	27.7
HURPL (Ganga Expressway)	BOT	UPEIDA	934	74%	Mar-26	Nov-52	27.7
UPRPL (Ganga Expressway)	BOT	UPEIDA	941	79%	Mar-26	Nov-52	27.7
KSRPL	BOT	NHAI	391	75%	Dec-25	Dec-40	15.8
Sub total - Under Construction		4,003				19.8	
Total Roads Portfolio			5 351				

#### **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 FY24-253

9,428 HAM Lane Kms \$13.7b **Estimated Cost** 

**BOT** 

3,737 Lane Kms \$5.1b **Estimated Cost** 

TOT

2,742 Kms

\$0.6b Potential annual toll revenue for FY26E

1 Physical Progress as on 30th Sept 2024 | 2 For operational HAM projects, COD date represents the provisional COD date | 3 Projects 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 | PRPRL: Suryapet Khammam Road Pvt Ltd | PRSTPL: PRS Tolls Pvt Ltd | KKRPL: Mancherial Repallewada Road Pvt Ltd | PRSTPL: PRS Tolls Pvt Ltd | PRSTPL: PRSTPL Panagarh Palsit Road Pvt Ltd | VBPPL: Vijayawada Bypass Project Pvt Ltd | NPRPL: Nanasa Pidgaon Road Pvt Ltd | BKRPL: Badakumari Karki Road Pvt Ltd | AVRPL: Azhiyur Vengalam Road Pvt Ltd | BHRPL: Budaon Hardoi Road Pvt Ltd | HURPL: Hardoi Unnao Road Pvt Ltd | UPRPL: 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

2.25 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 (FY25)**

₹14,236 Cr

Revenue

▲ +63% YoY

₹4.776 Cr

**EBITDA** 

▲ +108% YoY

₹7,948 Cr

**Gross Assets** 

+26% YoY

ANIL has commissioned India's first off-grid 5 MW Green Hydrogen pilot plant marking a major milestone in the nation's clean energy transition



03a(i)

**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.

Investment



**Common Utility** Infrastructure



**Talent** 

- 650 acres (263 Ha) land exclusively ear-marked for IT/Electronic
- 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**

- Achieved financial closure for 6 GW of Cell and Module using TopCon Technology.
- 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 59% to 4.3 GW in FY25 (with domestic sales increasing by 152% to 2.5 GW).
- Plan to expand to 10 GW p.a. of Cell and Module manufacturing capacity with backward integration into polysilica and mg silica.

#### Wind Manufacturing

- Capacity increased to 2.25 GW from 1.5 GW.
- India's largest turbine: 5.2 MW WTG model is India's largest machine in terms of rated MW capacity, offering highly competitive annual energy production.
- Offering of four WTG models including two of 5.2 MW and one each of 3.3 MW and 3.0 MW.
- Supplied 164 sets during FY25.

#### **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
- Technology development and testing completed for 25kW prototype based on CRT design and assembly in progress for 85kW prototype based on HyDEP design

ANIL has commissioned India's first off-grid 5 MW Green Hydrogen pilot plant marking a major milestone in the nation's clean energy transition

Critical

ancillaries are

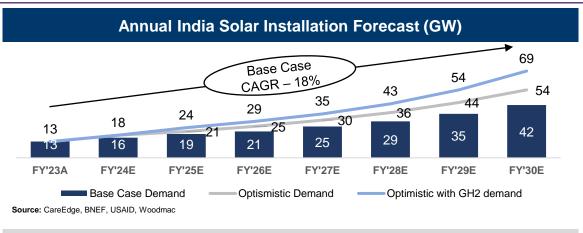
co-located in the same ecosystem for

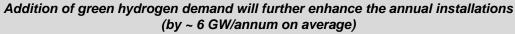
supply-chain efficiency &

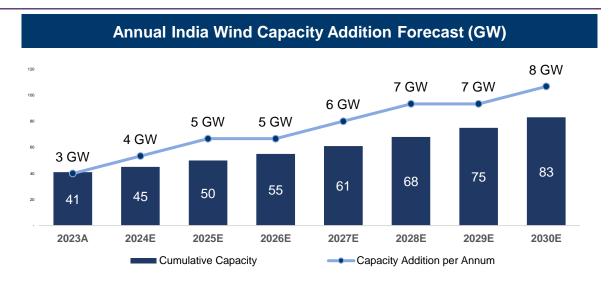
reliability

# 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).



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

greenalia

res





FY'24

FY'25



Sold - Export

1,000

FY'26

NTPC

**LARSEN & TOUBRO** 

# 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





03a(ii)

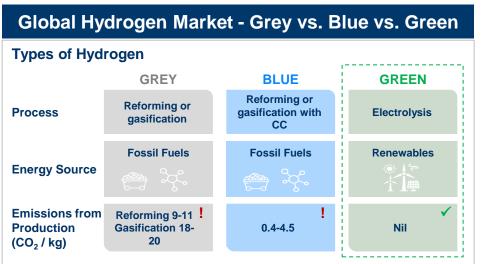
**ANIL: Green Hydrogen** 

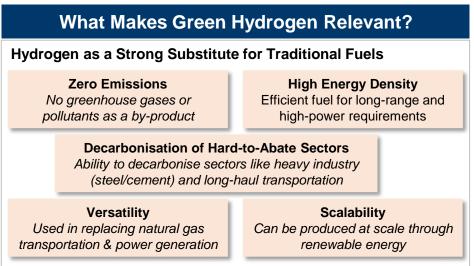
The Game Changer

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

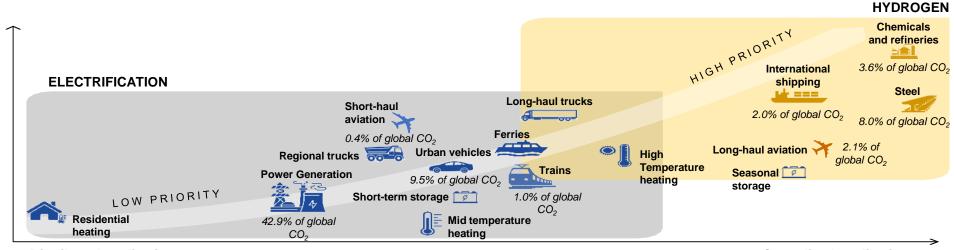


- Hydrogen is crucial in a netzero energy system, enabling decarbonization in hard-to-abate sectors
- Hydrogen can be used as an energy vector (produced, stored, and transported as a means of delivering and/or storing energy) in many hardto-decarbonise sectors, where other energy vectors (e.g. electricity) 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 H<sub>2</sub> is determined by cost of green power, and scale of the project





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



Distributed applications Centralised applications



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



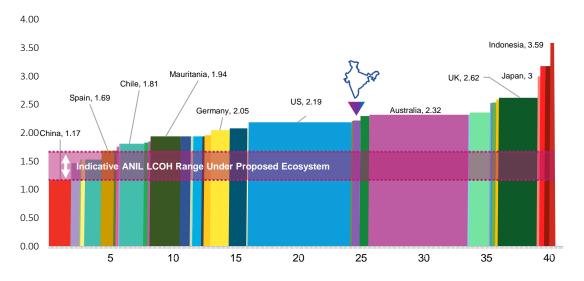
- Adani's fully-integrated green hydrogen ecosystem with complete supply chain control will produce H<sub>2</sub> at a fraction of the cost of other domestic/ global players
  - ✓ Adani's Hub in Gujarat has an immense renewable potential of c.40GW of solar and wind power alongside site readiness
  - ✓ 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)

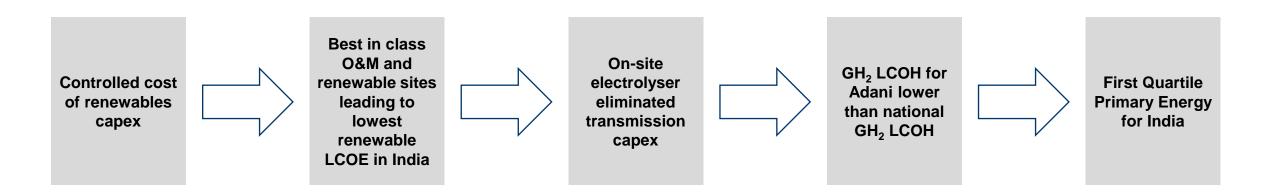
#### Adani LCOH advantage driven by 50.5 (1) Low-cost renewable power & (2) Scale 28.7 35.8 18.5 25.7 22.2 11.7 12.4 7.7 8.9 Green Hydrogen Blue Hydrogen Grey Hydrogen Natural Gas Diesel Petroleum Adani I COH

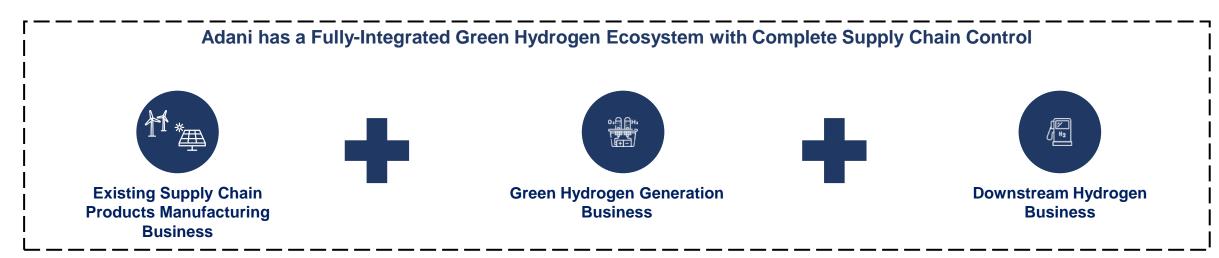
#### Global Green Hydrogen Merit Curve, 2030 (US\$/Kg vs Mt)





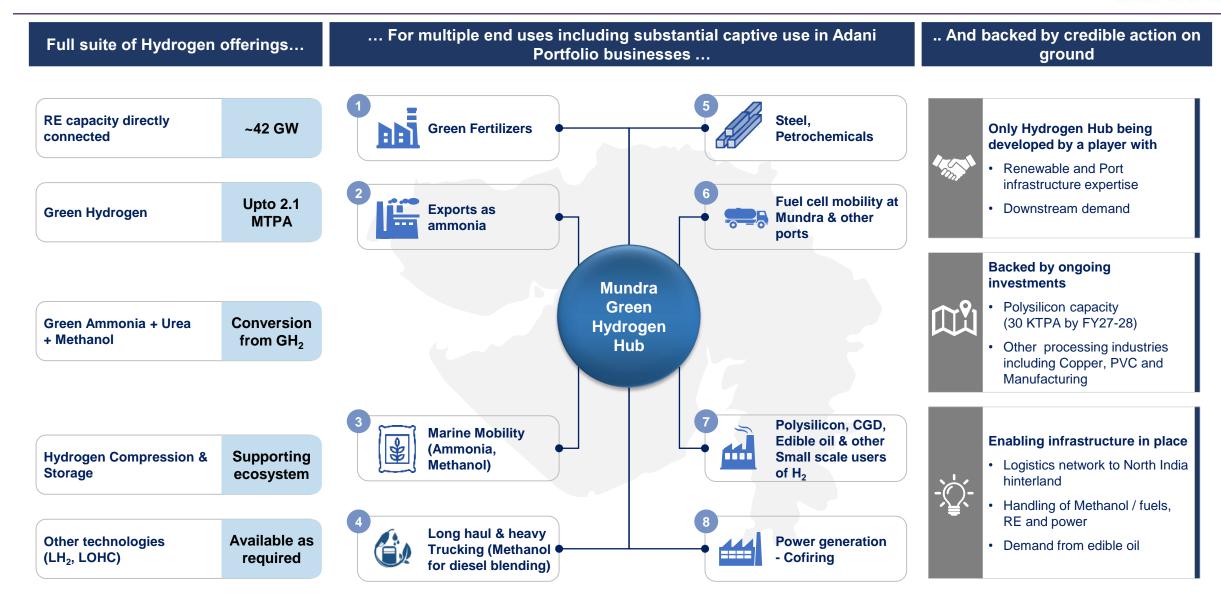
Adani's control of its' input cost and access to the Mundra site have removed the principal cost variables and ensure the lowest cost H2 production in India, representing first quartile primary energy





# **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")

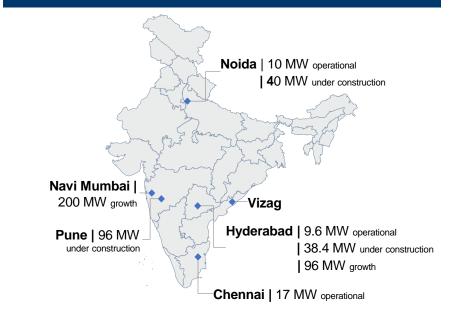
#### AdaniConneX Private Limited ("ACX"): Overview



#### **Leading Data Center Solutions**

- 50:50 JV between Adani Enterprises Limited and EdgeConneX (one of world's largest private data center operator)
- ACX has currently tied up capacity of 210+ MW
- ACX has completed construction of Hyderabad and Noida Data Center. Now, It has three operational Data Center with capacity of 36.6 MW
- · Phase II of Hyderabad Data Center and Noida MEP works are in advanced stage of completion.
- 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**

# 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**



Develop

strategically

placed facilities





Powered with renewable



Reliable. Secure and Scalable delivery process

#### **Data Localisation** Push by Government Agencies

Increasing investments in **Energy Efficiency** & Sustainability

**Key Growth Driver** 

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

#### **Strong Partnership**





Resilient Fiber

Connectivity

#### **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**

#### **Hyperscale campuses: 20+ MW**



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

MW: Megawatt | GW: Gigawatt | JV: Joint Venture

#### **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

- Financial sector organization availing SaaS solutions to store critical data in India



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**

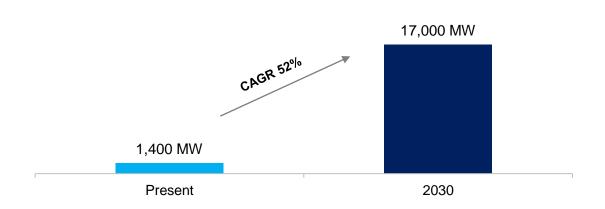
#### **Energy Efficiency**

- 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

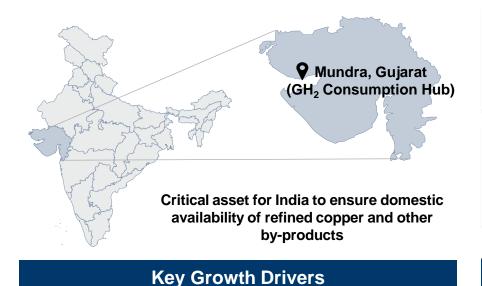
#### Kutch Copper Limited ("KCL"): Overview



#### **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

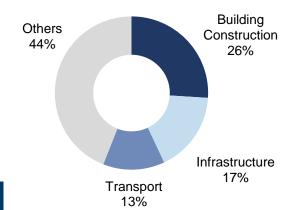
tonnes Import of

Strong demand for **Metals and Minerals** driven by decarbonization, population growth

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** 



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

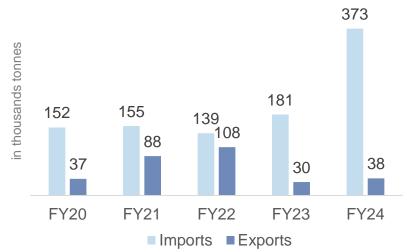


#### **High Levels of Domestic Refined Copper Consumption**



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



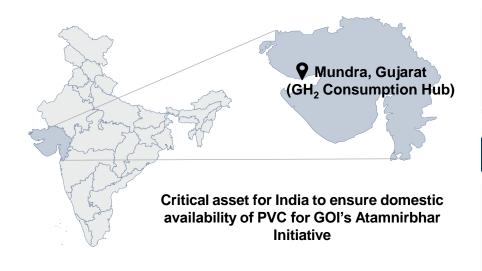
#### Mundra Petrochem Limited ("MPL"): Overview



#### **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





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

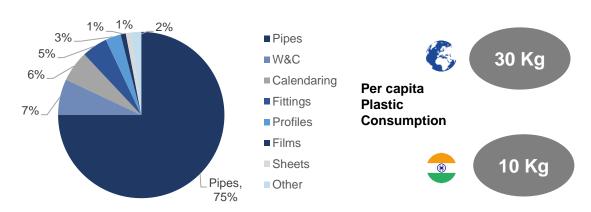
Caustic Soda

**By-products** 

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

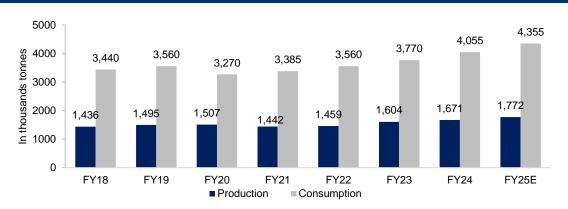


#### **Segment-wise Domestic Demand: an Essential Material**



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

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

Company









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

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

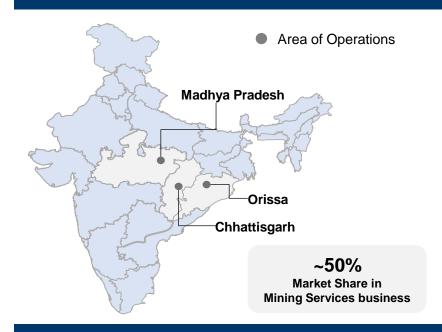
Company	DCW LIMITED	Reliance Industries Limited	adani
Planned Expansion	Intention to increase capacity and optimise utilisation of C-PVC plants	1.5 MTPA	2.0 MTPA (in two phases)
Target Year	n.a.	2026	2025



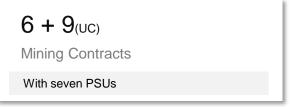
#### India's pioneer and largest MDO

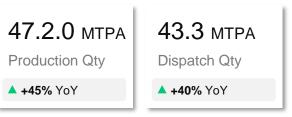
- AEL Mining Services is India's pioneer in Mine Development and Operations (MDO) with largest market share of ~50%
- AEL currently has eleven MDO contracts with seven different customers
- Out of above, five contracts are already operational with peak capacity of 57 MTPA
- Four under development services contracts with peak capacity of 57 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**





#### **Key Business Focus Areas**







Enhanced volumes as per contracts





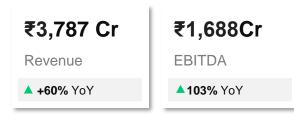
#### **Key Growth Driver**

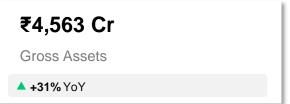
Clear runway of ~66% growth in volumes for operating mines

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

Focusing on new MDO contracts from privatized coal mines

#### Key Financial Metrics (FY25)

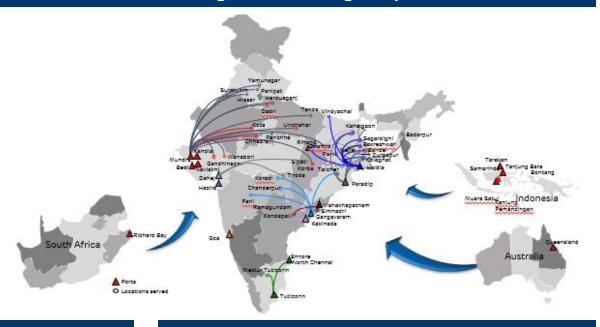






#### IRM logistics network across India with global sourcing footprint

- 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





56.5 MTPA

Volume

(31)% YoY

#### **Key Financial Metrics** (FY25)

₹40,989 Cr

Revenue

▼ (34)% YoY

₹3,585 Cr

**EBITDA** 

▼ (31)% YoY

₹352 Cr

**Gross Assets** 

▼ (10)% YoY

#### **Key Business Focus Areas**





Complete risk mitigation with 100% hedging



customer base across private and sovereign



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

Sustained high

Cost plus model with inventory holding capacity

**Key Growth Driver** 

Largest scale of operations in India providing competitive edge

Diversify to minerals like copper, LPG



### Diversify

¹ from Mar'24 | Cr: Crores | MTPA: Million Tonne Per Annum | LPG: Liquefied Petroleum Gas | EBITDA: Earning before Interest, Tax Depreciation & Amortization | m: million

#### **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** Mines One in Australia and Indonesia each 12.9 MTPA 12.5 MTPA Production Qtv Dispatch Qtv

#### **Key Business Focus Areas**









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 (FY25)**

₹6,847 Cr Revenue ▲ +1047% YoY

▲ +15% YoY

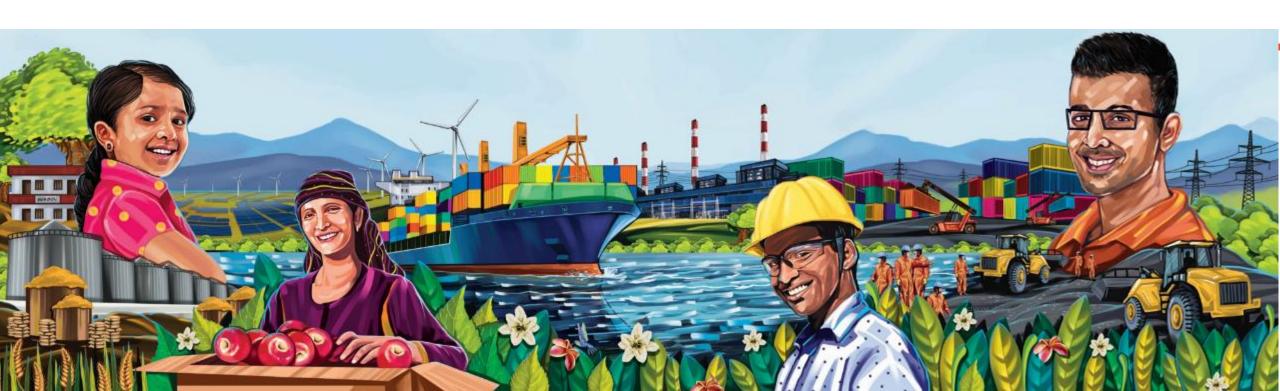
₹906 Cr **EBITDA** ▼ (27%) YoY

▲ +12% YoY

₹20,262 Cr **Gross Assets** ▲ +9% YoY

## 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 by Assurance





#### Vision

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

#### **Our Key ESG Commitments**

- Aim to achieve No-Net Loss to biodiversity and align with IBBI/ **TNFD** principles
- 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 2029 and 2030 respectively
- 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/TNFD** CDP

#### **Policy structure**

- · Climate Change Policy
- **Environment Policy**
- **Energy and Emission Policy**
- Water Stewardship Policy
- Biodiversity Policy

Е

- Human Rights
- Corporate Social Responsibility Policy
- Occupational Health and Safety Policy
- G
- **Board Diversity**
- Anti-corruption and anti-bribery
- Related Party Transaction Policy

#### **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 30 Targets**

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

#### **UN SDGs**

#### Climate Change Mitigation and Adaptation



45%

Reduction in energy intensity\*

**50**%

Electricity consumed from Renewable Energy sources

Water Management



**50**%

Reduction in water consumption intensity\*

**Waste Management** 



95%

Waste diverted away from landfill

Occupational Health and Safety



Health and Safety assessment of all Plants and Offices

0

Zero health & safety related injuries

#### **Climate Change Mitigation and Adaptation**

- 49% electricity consumption from RE sources for Airports business
- 30% electricity consumption from RE sources for Data Center business
- 14% energy consumption from RE sources for ANIL
- 21% reduction<sup>1</sup> in scope 1 emission intensity<sup>2</sup> by the Airports business
- 81% reduction in emission<sup>4</sup> intensity for Copper business
- 86,319 trees planted by mining services in Q1FY26

#### **Water Management**

• 11% 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.

#### **Occupational Health and Safety**

- All operational sites assessed for health and safety.
- · Zero employee fatality in Q1FY26.

#### **Awards and Recognition**

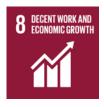
- Guwahati airport recognized with the Gold Award by the Apex India Green Leaf Awards for our sustainable practices in aviation.
- Mangaluru Airport won two distinguished honours from the British Safety Council:
  - International Safety Award Distinction Category
  - Sector Best Award Transportation & Logistics

#### Ratings:

Achieved a "Leadership Rating" ('A') in CDP's Supply chain assessment, alongside Leadership Level A- in Climate Change, demonstrating excellence in climate governance, Scope 3 emissions transparency, and proactive value chain engagement



















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



Key Items	Key Highlights
Board	✓ 50% Independent Directors
Independence	✓ 12.5% Women Directors
Corporate Responsibility,	✓ Corporate Responsibility Committee in place with 100% Independent Directors to provide assurance on ESG aspects
CSR & Nomination & Remuneration	✓ Corporate Social Responsibility Committee in place with 67% Independent Directors
	✓ Nomination and Remuneration Committee with 100% Independent Directors
Audit Oversight	<ul> <li>✓ Audit Committee consisting of 100% Independent Directors (100% non-promoter, 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:
	Mergers & Acquisitions Committee
	<ul><li>Legal, Regulatory &amp; Tax Committee</li><li>Commodity Price Risk Committee</li></ul>
	Reputation Risk Committee
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 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

## Corporate Social Responsibility Committee Committee Corporate Responsibility Committee Committee Corporate Responsibility Committee Responsibility 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 $\overline{\mathbf{V}}$ - 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 $\overline{\mathsf{V}}$ - Corporate Responsibility Additional Business 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



**Omkar** Goswami 🙆 📀



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

- Economist
- Financial planning



Subramanian 🕗



- · Expert of aviation industry
- Business development



**Bharat** Sheth

#### 40+ Yrs of Experience

Skill & Expertise

- Leadership
- Entrepreneurship
- · Business transformation

#### **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



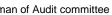
Vinay **Prakash** 

Director

Skill & Expertise

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







🚫 Chairman of Audit committee 🔘 Chairman of Nomination and Remuneration committee | 🕢 Chairperson of Corporate Responsibility committee 📗 ID: Independent Director 👃 NID: Non-Independent Director



#### **AEL:** ESG Rating & Performance Highlights



	Ratings				Performance Highlights			
S&P Dow Jones Indices A Division of S&P Global	DJSI CSA (2024)	60	Ranked among the top 5 companies in its sector globally and placed in the 97th percentile	ANIL Ecosystem	14% renewable energy in electricity mix  100% water withdrawal from non-competing			
CDP ORIMNO SUSTAINABLE ECONOMES	CDP - CC (2024)	Α-	Denotes "Leadership Category" indicating AEL dedication and commitment to lowering GHG emissions and their overall environmental impact		sources			
DRIVING SUSTAINABLE ECONOMES	CDP Supply Chain (2024)	А	Denotes <b>"Leadership Category"</b> indicating climate action, demonstrating excellence in climate governance	Data Center	30% renewable energy in electricity mix  Operational sites achieved Zero Liquid Discharge (ZLD) state			
	Sustainalytics	28	<b>Denotes "Medium Risk"</b> , Improvement from previous rating of "High Risk" at 34 score	Airports	49% renewable energy 21% reduction1 in scope			
	In the latest assessment by Sustainalytics, AEL score has improved to 28 "Medium Risk" from 34 "High Risk". This reclassification reflects the impact of our strategic efforts to strengthen governance, enhance transparency, and embed sustainability into our core operations.				in electricity mix emission intensity			
CRISIL An S&P Global Company	CRISIL	51	<b>Denotes "Adequate"</b> , Increase from previous score of 50 (a SEBI registered ESG rating agency)	Mining Services	21% reduction in scope 2³ emission intensity  11% reduction in water consumption³ intensity			
Transition Pathway Initiative	ТРІ	Level 3	Denotes "Integrating climate change into operational decision making"		99% \$6,319			
ESG Risk Assesaments & Inslights	ESG Risk Assessment & Insight	67.5	Categorized as 'Strong' for its ESG performance by ESG Risk.ai (a SEBI registered agency)		of waste managed trees planted in Q1 FY 2025-26 and other recovery			

operations

#### **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** 

#### **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 2026
- Post COVID pax traffic ramped up to 90 m pax
- Total non pax + pax > 300 m consumers
- 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

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

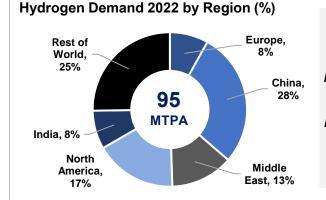
#### **AEL:** Incubation Case Study 2 – ANIL once in a generation energy indigenization play



#### **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 H2 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

#### **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

#### 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

#### 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), Retail, Interconnect / Networking	Wholesale (Turnkey), Wholesale (Powered Base Shell), Retail, Interconnect / Networking	Wholesale (Turnkey), Retail, Interconnect / Networking	Wholesale (Turnkey), Retail, Interconnect / Networking	Wholesale (Turnkey), Wholesale (Powered Base Shell), Retail, Cloud / Managed Hosting, Interconnect / Networking	Wholesale (Turnkey)	Wholesale (Turnkey), Retail, Cloud / Managed Hosting, Interconnect / 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 centers under development in Malaysia, New Zealand and Japan	US (10 states) and Netherlands	China, India and 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

