

Ports and Logistics

Investor Presentation

September, 2020

Adani Ports and SEZ Limited





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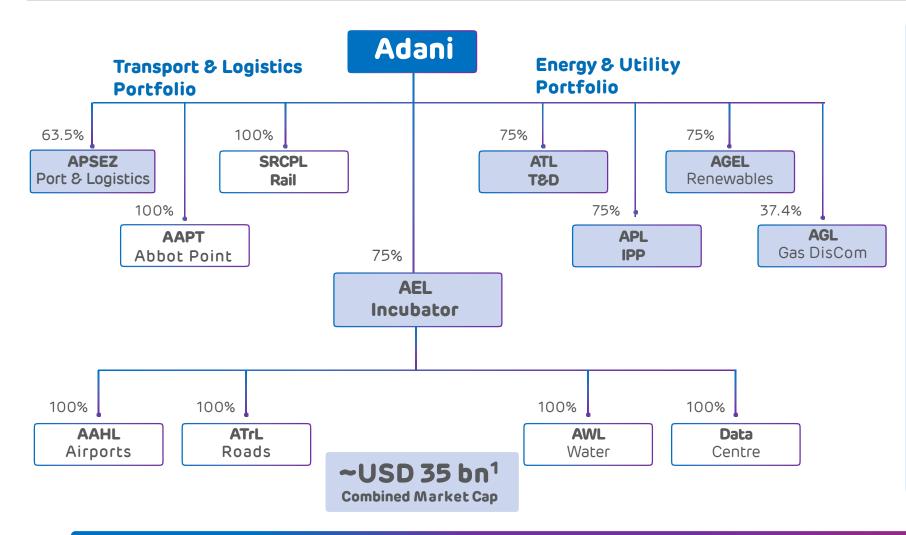




Group Profile

Adani Group: A world class infrastructure & utility portfolio





Adani

- Marked shift from B2B to B2C businesses -
 - AGL Gas distribution network to serve key geographies across India
 - AEML Electricity distribution network that powers the financial capital of India
 - Adani Airports To operate, manage and develop six airports in the country
- Locked in Growth 2020
 - Transport & Logistics -Airports and Roads
 - Energy & Utility –
 Water and Data Centre

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

Adani Group: Repeatable, robust & proven model infrastructure development



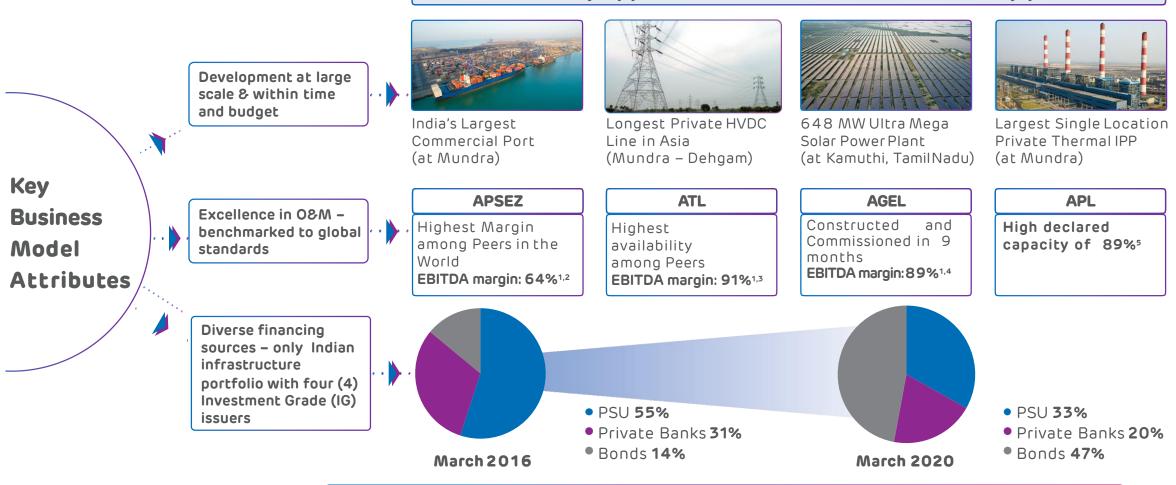
Phase	Development		Operations .			Post Operations	
	Origination	Site Development	Construction		Operation		Capital Mgmt
Activity	 Analysis & market intelligence Viability analysis Strategic value 	 Site acquisition Concessions and regulatory agreements Investment case development 	 Engineering & design Sourcing & quality levels Equity & debt funding at project 		Life cycle O&M planning Asset Management plan	•	Redesigning the capital structure of the asset Operational phase funding consistent with asset life
	 Redefining the space e.g. Mundra Port 	 Envisaging evolution of sector e.g. Adani Transmission 	 Complex developments on time & budget e.g. APL 		O&M optimisations e.g. Solar plants	is	uccessfully placed 7 suances totalling USD4Bn in FY20
Performance						m	Il listed entities naintain liquidity cover f 1.2x- 2x for FY21.
						р	ocus on liquidity lanning ensures emaining stress free.

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

Adani Group: Repeatable, robust business model applied to drive value



Successfully applied across Infrastructure & utility platform



The dominant Infrastructure platform that re-defines respective industry landscape

APSEZ: A transport & logistics utility that dominates the network



Development

Ports

- Nine operating Ports, ~410 MMT of augmented capacity in India.
- Hinterland reach of 60%-70%
- Targeting East and West Coast Parity

Logistics

- Largest integrated logistics player in India.
- Operating 60+ rakes, 5 IFTs and 400,000 sq.ft. of warehouse space.

SEZ

- Large scale 'ready to setup' industrial land (SEZ)
- Land Bank of 10,000 ha. at Mundra, Dhamra and Kattupalli

Operations



Best in Class Efficiency

- Port EBITDA margin ~70%
- TAT for Mundra is better by 3x that of its peers ⁽¹⁾

Symbiotic Integration

 Ports, SEZ and logistics integrated service removes the distinction between Port and Customer gate.

ESG

- Embedded ESG Framework for securing value.
- Committed to TCFD, SBTi and CDP (2).

Value Creation



Capital Management

- IG rated since FY16
- Net Debt/ EBITDA at 2.9x in FY20
- Average maturity of long term debt increased to 5.2 years

Debt Capital Program

- Access to large & diverse source of capital - domestic & international
- Reduction in interest cost by ~150 bps.

Efficient Use of Capital

- ROCE greater than cost of capital.
- Pre-tax project IRR of 16%

(2) TCFD - Task force on climate related financial disclosures, SBTi - Science Based Targeting initiatives,, CDP - Carbon Disclosure Project

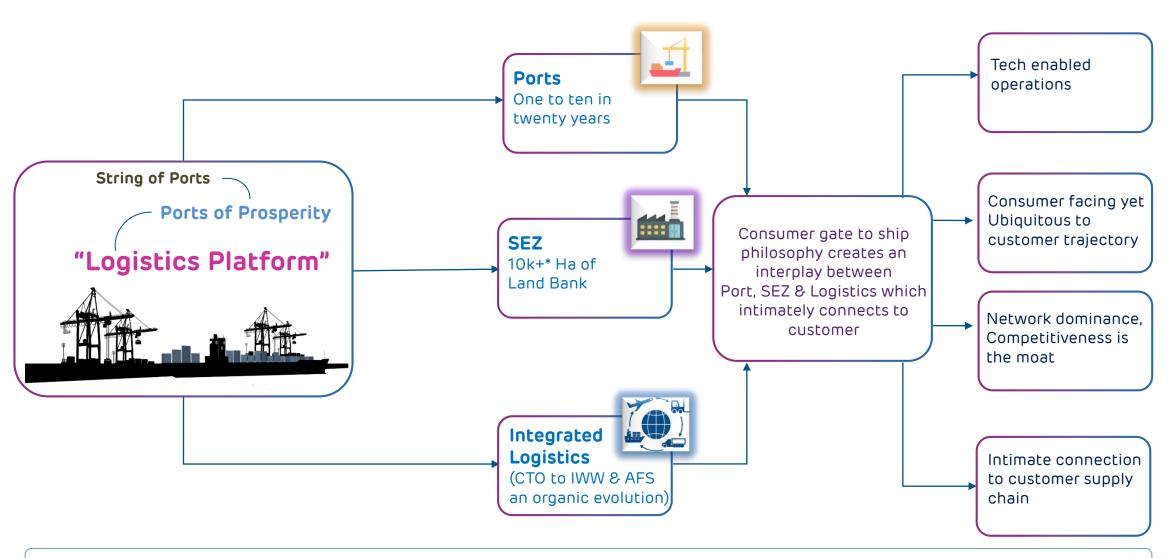
⁽¹⁾ Average Turnaround Time (TAT) for Mundra is 0.56 days in FY20 vs 1.95 days for Major Ports in FY19



Part I – APSEZ Company Profile

APSEZ: Complimenting verticals creating a multiplier effect

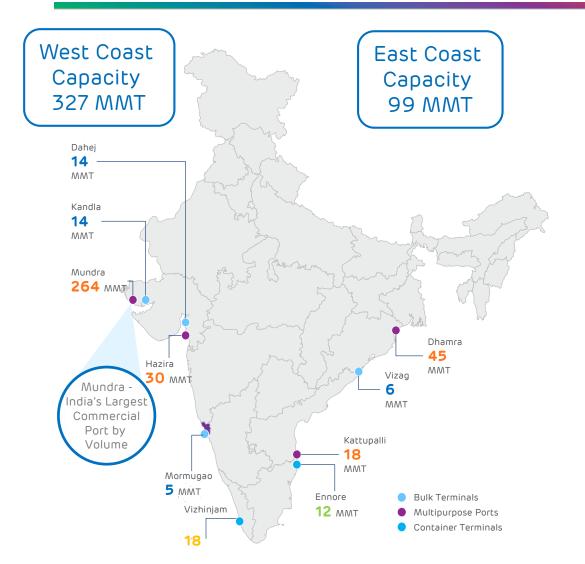




End to end solution at "Customer Gate" with an integrated approach through Ports, SEZ and Logistics

APSEZ: Largest network of ports in India

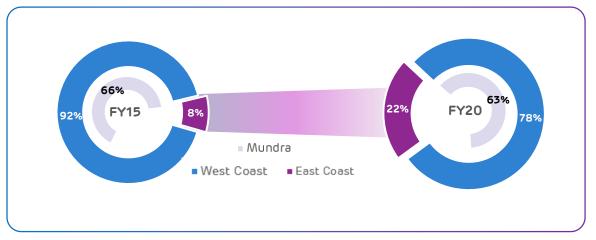




Evolution of APSEZ



Achieving East Coast - West Coast Parity



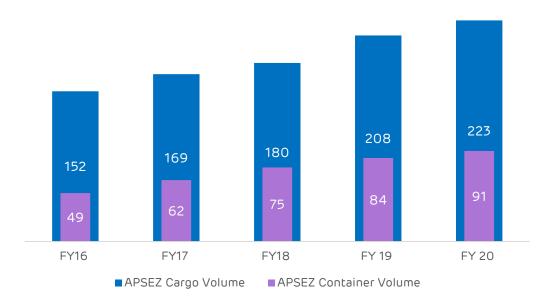
9 Operating Ports serving vast economic hinterland of the country

Port cargo trajectory: APSEZ vs All India Ports - FY16-20



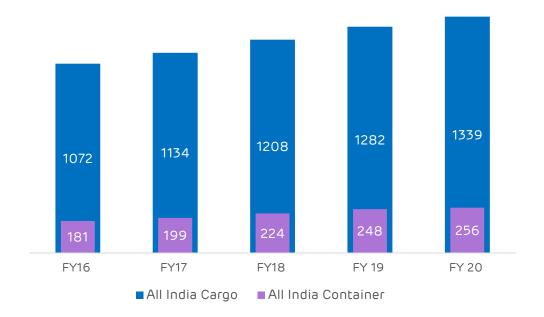


CAGR - 10%
Container CAGR - 17%



All India Ports Total Cargo

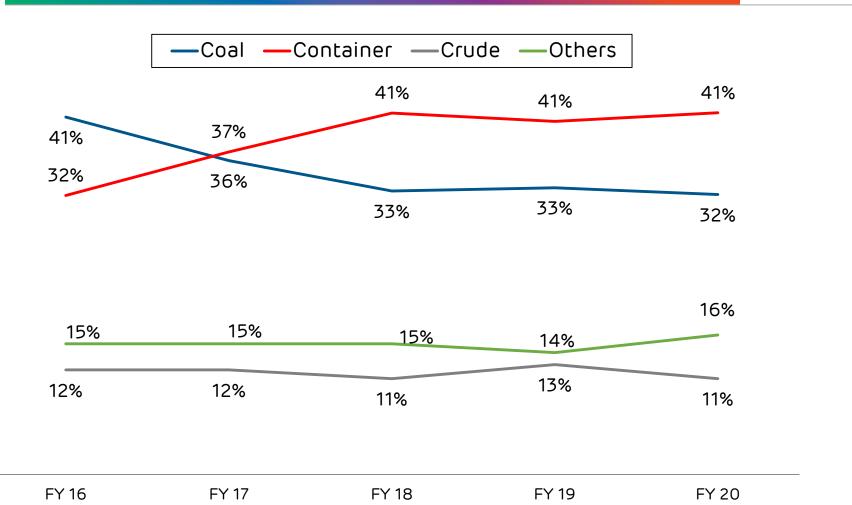
CAGR - 6%
Container CAGR - 9%



Volume growth consistently ahead of All India Ports

APSEZ: Cargo mix assimilates diversity





New Cargo Added -



Mundra LPG

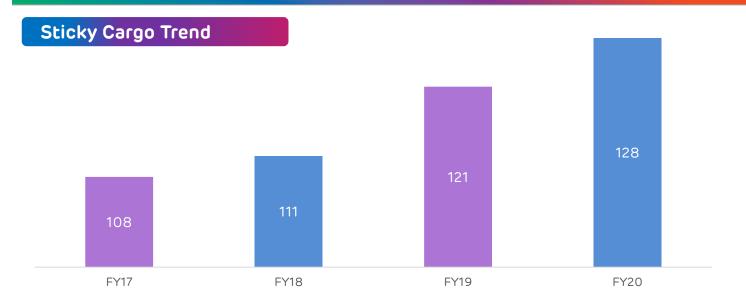


Mundra LNG

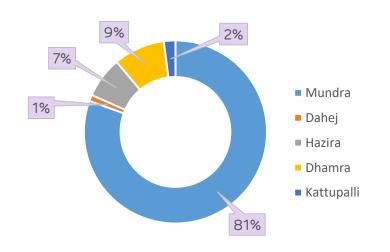
APSEZ: Sticky cargo - Ensures resilience

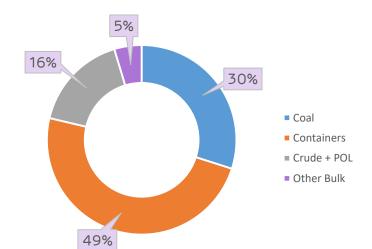


(in MMT)



Sticky Cargo Composition- Port wise & Cargo wise



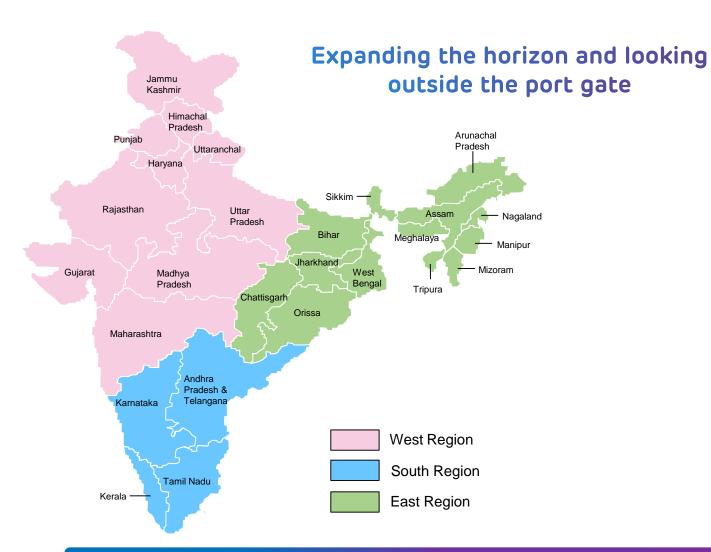


Sticky Cargo

- Constitutes ~60% of total cargo.
- Increasing at a CAGR of ~10%
- 81% of sticky cargo at Mundra.
 Port, as other port mature share of sticky cargo from other ports will increase.
- Container and coal constitutes79% of total sticky cargo.

APSEZ: Integrated logistics catalyzing transformation





APSEZ coverage across Indian hinterland (GDP terms)*

(In USD Billion)

Region	FY19	FY25		
West	1290	2520		
East	438	823		
South	706	1359		
Total	2434	4702		

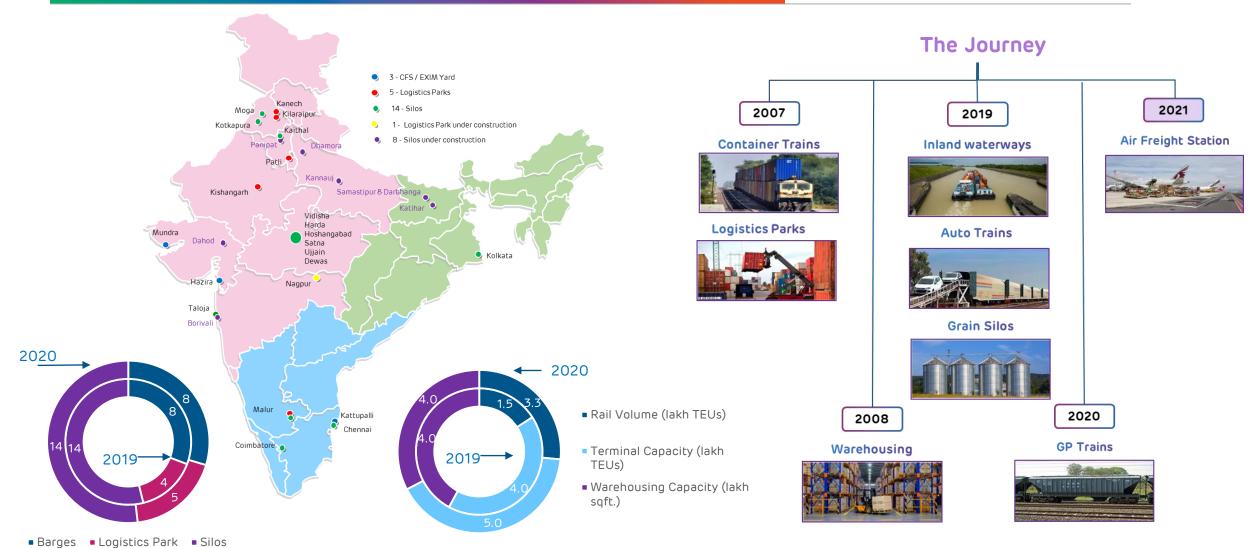
- Agility of logistics business brings flexibility in port business, improves stickiness of cargo.
- Covering 70% of India's economic hinterland.
- Economic hinterland reach in GDP terms will increase 2x.

Focus on further increasing the hinterland reach through organic and inorganic path

*Source : Internal Estimates

APSEZ: Integrated logistics catalyzing transformation





Integrated logistics speeding up growth in port business by bringing customer centricity to the core

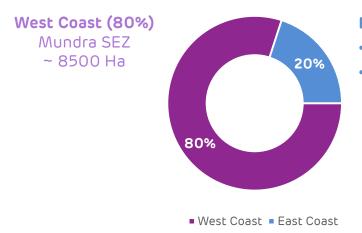
APSEZ: SEZ Port development - Recurring income stream





Total Land Bank ~10k+ Ha.





East Coast (20%)

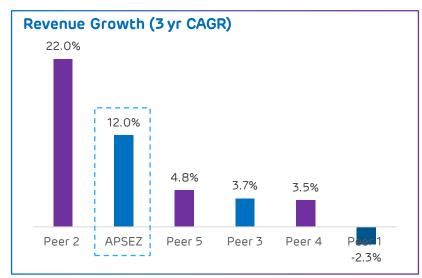
- Kattupalli (~260 Ha)
- Dhamra (~1650 Ha)

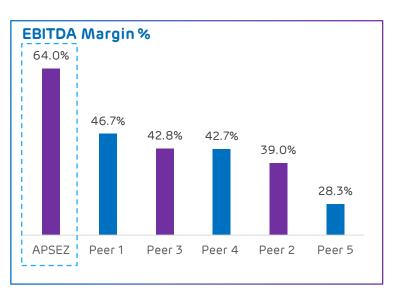
Value Creation in SEZ & Port Development Strategy

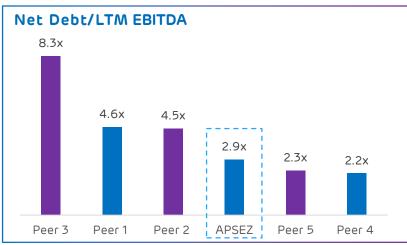
- Bringing customer inside Port gate
- Entrenching into customer's supply chain Higher Consumer Interface
- Providing Multimodal Connectivity

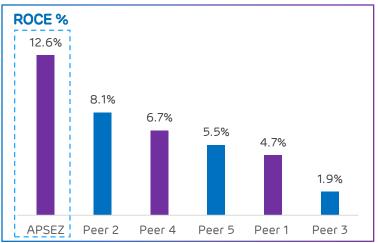
APSEZ: Benchmarking with Global Peers











Faster Growth than peers

Name	Credit Rating	ESG Rating
APSEZ**	Baa3/BBB-/BBB-	CCC
Peer 1	Baa1/A-/-	ВВ
Peer 2	Baa3/-/BBB	ВВ
Peer 3	Baa1/BBB/-	CCC
Peer 4	Aa1/AA/-	N.A.
Peer 5	A1/A+/-	BB

**APSEZ underlying rating is BBB/Baa2



Part II - APSEZ Financial Profile

APSEZ: Highlights of Capital management program



Consistent investment grade rating

- Since FY16, capped at sovereign.
- Earnings growth and free cash flow generation to fortify coverages.

Elongated debt maturity profile

- Increased to 5 years.
- Shift towards long term debt (74% in FY16 to 95% in FY20).

Liability Management-Natural Hedge

- Debt mix FX 68% and INR 32%.
- US dollar denominated income of \$430mn per annum provides naturalhedge with 2.9x coverage.

Reduce Cost of Capital

- Cost of Debt is at 6.4% per annum,
- Timely and quality disclosure and active guidance policy to increase predictability.

Robust capital allocation policy

- Pre tax project IRR of >16%.
- Rationalization of assets for improving ROCE.
- Economic value add enshrined into all capital deployment.

Optimized Capital Structure

- Desired level: Net Debt/EBITDA
 3.0x 3.5x. Currently at 2.9x.
- Shareholder return policy of 20%-25% of PAT to continue.

APSEZ: Credit protection encapsulated in capital structure

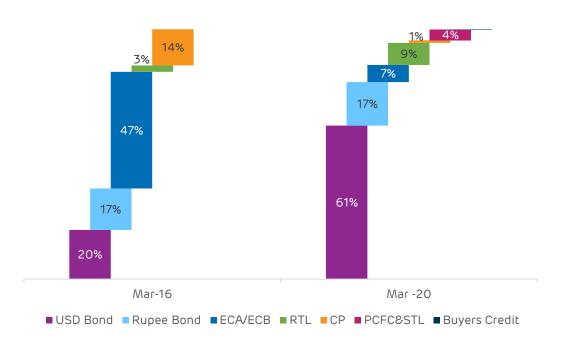




FY17

7.0 6.3 27 5.7 29 6.4 22 20 21 21 21 22 22 23 3.4x 2.9x 2.9x

Product Mix



Net debt maintained at similar levels.

FY18

Net Debt — Net Debt to EBITDA — Interest (%)

Increased EBITDA resulted in improved leverage ratio from 4.4x in FY16 to 2.9x in FY20.

FY20

Net Debt to EBITDA at 2.9x, maintained below our desired level of 3x-3.5x.

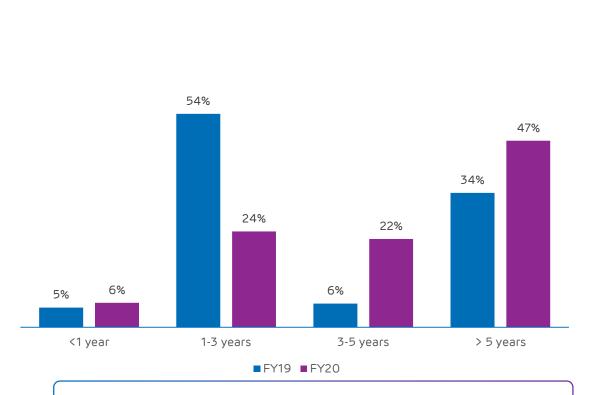
FY19

• US Dollar bond increased from 20% to 61%, of debt portfolio, commensurate with increase in FX revenue.

FY16

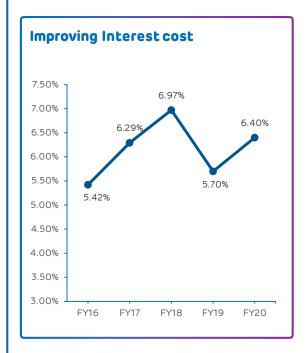
APSEZ: Improved maturity & reduced cost

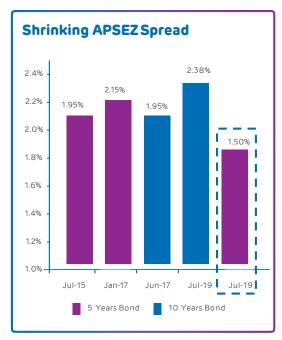






• Elongated average maturity - 3 years to 5 years

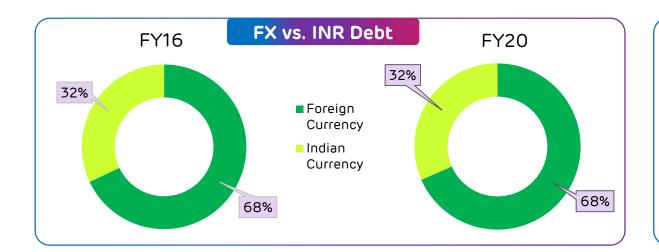




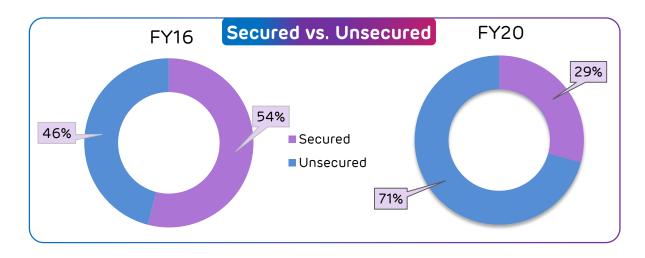
Strong fundamentals enable tapping capital at finer spreads

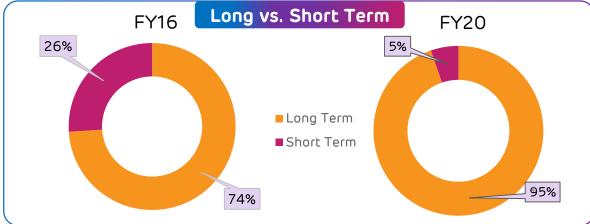
APSEZ: Debt profile FY16 vs. FY20





- FX to INR debt maintained at 68%
- Unsecured debt increased from 46% to 71%.
- Shift towards long term debt (95%),
 This improves maturity and liquidity position.
- Debt profile commensurate with asset profile

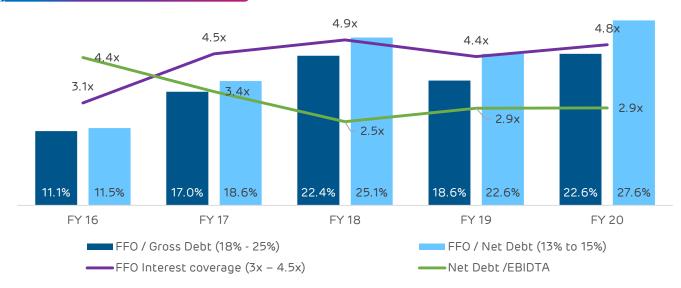




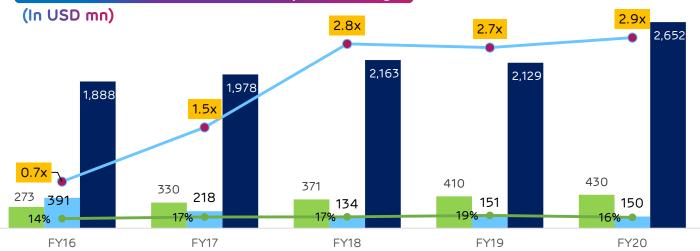
APSEZ: Key ratios



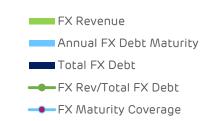
Rating Ratios



FX Revenue and Debt Maturity*, Coverage



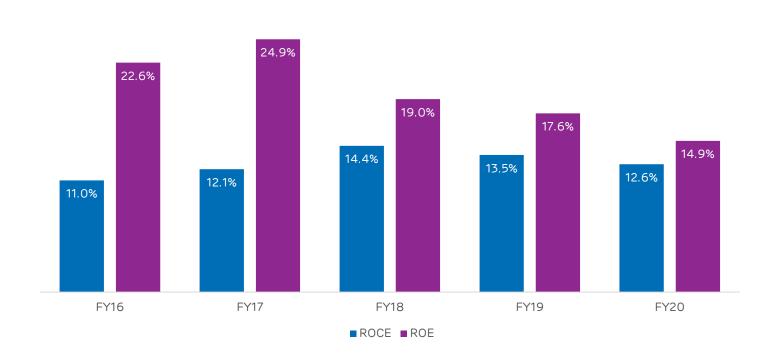
- Net debt to EBITDA* maintained at 2.9x which is below our desired level of 3x-3.5x.
- All key rating ratios continue to be in the prescribed range.
- Earnings growth and free cash flow generation to fortify coverage.
- Dollar denominated debt has increased to ~2.7 bn in FY20 from ~1.9 bn in FY16.
 However the coverage of forex debt maturity# in terms of dollar earnings has increased from 0.7x in FY16 to 2.9x in FY20.



APSEZ: Key ratios



ROCE and ROE



- Returns ratio continues to be robust.
- ROE is compressed in FY20 due to MTM accounting for forex debt (normalized ROE at 21%).
- Capex program is validated through stringent mechanism to achieve targeted returns (IRR) of >16%, as per capital allocation policy.



Rationale for Investment

APSEZ: Immense Value Creation





APSEZ well placed to capture future growth



Why Invest with us?

- The Logistics platform which enables and encapsulates the entire gamut of supply chain.
- A transport & logistics utility that dominates the network.
- Presence across coastline of India de-risks portfolio, working towards east coast and west coast parity.
- Unique operating model with sustained and diversified growth.
- 60%+ sticky cargo brings resilience to earnings.
- World-class technology and people with focus on environment, sustainability and governance.
- Strong sponsorship of Adani Group.

APSEZ: Medium Term Growth Targets

~25%
All India Market
Share

~14%
Revenue CAGR

~14%
EBITDA CAGR

20%+ ROCE



Part III - Environment Social & Governance

APSEZ: ESG Philosophy





- ➤ Adherence to global environment guidelines like Disclosure in CDP Climate Change and Water Security, SBTi; Supporter of TCFD, Member of IUCN
- ➤ All port certified with Integrated Management System (ISO 9001, 14001 & 45001) and 4 ports with Energy Management System (ISO 50001).



- > Focus on Employee/ Contractor Worker's Safety
 - ➤ Safety trainings 406920 hours In FY20
- ➤ Local procurement is 95% form India in FY20
- ➤ Low Employee Turnover 4%



- > APSEZ has board independence at listed company level
- ➤ Rigorous audit process followed Regular assurance by third part conducted as per GRI standards across all subsidiaries
- > Related party transactions policy Strict Implementation of the policy

APSEZ Climate Strategy – Climate Awareness



Environment related Factors

Climate **Awareness**

Climate Readiness

Climate Alignment

Optimizing Carbon Intensity

- Carbon foot-printing and disclosure
- Improving Carbon Efficiency
- Approaching Carbon Neutrality
- Supporting low carbon economy

Resource and Bio-diversity

- Energy Management
- Optimizing Input Consumption
- Approaching Water Neutrality
- Leaving +Ve Impact on Biodiversity

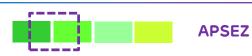
Waste Management

- Waste Reduction (5R*)
- Circular Economy
- Zero Waste to Landfill
- Optimizing Transmission Energy Loses













APSEZ

APSEZ Climate Strategy - Climate Readiness



Climate Awareness

Climate Readiness

Climate Alignment

Offsetting Carbon Emission

Conservation of Resource

Waste Management

- Increase Renewable Energy share
- Promote low carbon technology
- Use of Solar rooftop and wind energy
- Afforestation and Conservation

- Reduce freshwater withdrawal
- Reuse, recycle and replenish water
- Water neutrality
- Land use management

- Material Recovery Facility
- Biogas Plant (Waste to Energy)
- Organic Waste Converter
- Reduce waste outcome



APSEZ











APSEZ

APSEZ Climate Strategy – Climate Alignment



Climate Awareness

Climate Readiness

Climate Alignment Business and future investment aligned to sustainable growth with focus on preserving environment (Disclosure in public domain)

- · Carbon disclosure in Public domain.
- ESG disclosures vide corporate sustainability assessment platform of DJSI-S&P Global Adhering to disclosure in CDP,
- Becoming TCFD Supporter and signatory to SBTi.
- Water Neutrality and alliance for water stewardship certification
- Research & Development and Innovation for low carbon technology.
- Biodiversity Management & Conservation.



APSEZ: Sustainability Roadmap

















Natural Resource Conservation

Carbon Neutrality

Waste Management Target by FY 21



Energy Intensity – 40% Reduction

Water Neutrality Roadmap

Water Intensity - 50% Reduction

RE Installation - 20 MW

RE Share - 6% of Total/ 12% of Grid

Emission Intensity - 40% Reduction

Zero Liquid Discharge

Zero Waste to Landfill at 3 sites

Target by FY 25



Energy Intensity – 50% Reduction

Alliance for Water Stewardship

Water Intensity - 55% Reduction

RE Installation – 100 MW

RE Share - 25% of Total/ 45% of Grid

Emission Intensity - 60% Reduction

Zero Liquid Discharge

Zero Waste to Landfill across all sites

APSEZ: Sustainability Roadmap



















Safety

Employee
Development and
Welfare

Vendor Management

Customer Centricity

Community Development

Target by FY 21



Mandatory Induction Training for everyone entering Work area

Employee Turnover < 6%

Employee Satisfaction Score - 4.2/5

Average Training Hours - 25 - 30

Vendor Satisfaction Score 90/100

Customer Satisfaction Score 90/100

Skill Development > 50000 Individuals

Women Empowerment - 150 SHG

Target by FY 25



BSC 5 Star Audit and Certification

Employee Turnover < 5%

Employee Satisfaction Score - 4.5/5

Average Training Hours > 30

Vendor Satisfaction Score - 95/100

Customer Satisfaction Score - 95/100

Skill Development > 5 Lakh Individuals

Women Empowerment - 500 SHG

APSEZ: Sustainability Roadmap

















FY21 Targets

Policy on "Related Party Transaction for Acquiring and Sale of Assets".

All CXOs level employees and KMPs compensation to be linked to safety.

Capital Allocation policy for all new projects

Audit Committee and Nomination & Remuneration Committee consisting of only independent directors.

Dividend to be paid out as dividend or capital returns (share buyback) or a combination.

Appointment of Lead Independent Director.

Improved gender diversity among board members.

No over-boarded Directors to be appointed.

Current board members possess specific skills on industry, risk and finance.

Establishment of Disclosure Committee by December 2020.

Four Investment grade rated listed entities

Investment grade rating to be maintained to reduce cost of capital.

Board Members

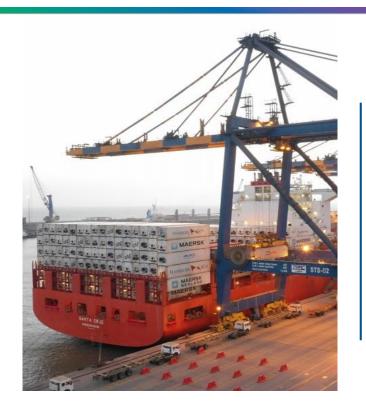
Policy







Annexures



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49-50 Technology and People

52-54 ESG – Achievements & Case Studies

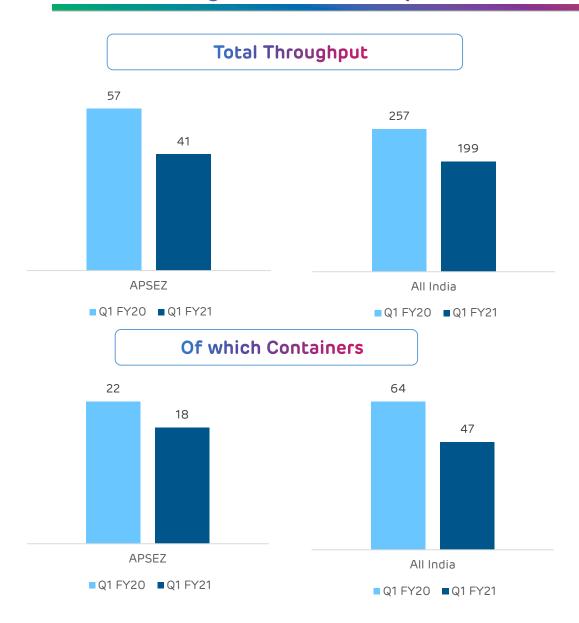
55 Adani Group – Credit Portfolio



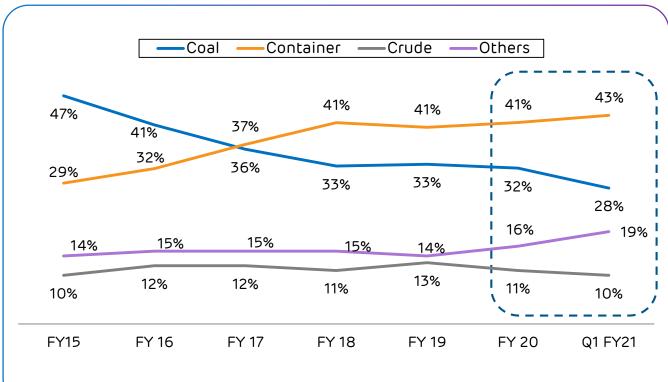
Q1 FY21 Highlights

APSEZ: Cargo Volume Comparison and Cargo Mix - Q1 FY21





Cargo Composition



Cargo mix moving towards higher realization products

APSEZ: Highlights Q1 FY21



Operational Highlights

- APSEZ handled 1.23 mn TEUs vs. 3.22 mn TEUs of all India container volume taking the market share to 38%.
- Cargo mix moves towards higher realization cargo.
 Container 43%, Coal 28%, Crude 10% and Others 19%.
- Mundra Port (0.97 mn TEUs) surpassed JNPT (0.85 mn TEUs) to become largest container handling port in India.
- Mundra handled LNG and LPG of ~3,74,000 MT and ~2,46,000 MT respectively.
- Hazira added 13 liquid tanks, having capacity of 45,631 KL.
- Dhamra port handled 6.36 MMT of cargo at par with Q1 FY20 volume.
- Share of Eastern ports increases from 17% to 20%.
- Logistics:
 - Rail volume registered a growth of 37%.
 - One more GPWIS rake added for Tata Steel.

Acquisitions

- Acquisition of KPCL is on track, CCI approval received, expected to be complete in Q2 FY21.
- Dighi Port Acquisition Mumbai bench of NCLT approved resolution plan of APSEZ, completion expected by Q3 FY21.
- Snowman deal Both the parties mutually agreed not to pursue the deal further. A settlement agreement has been signed. ALL will continue to be a minority shareholder.

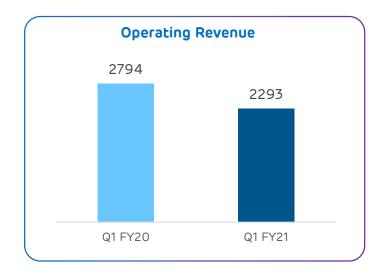
ESG

- Signed up with SBTi* and TCFD* for reducing carbon emission with a commitment to become carbon neutral by 2025.
- Donated Rs.80 cr. (towards COVID-19 relief).

Awards

Dahej Port received "International Safety Award 2020" from British Safety Council, London.





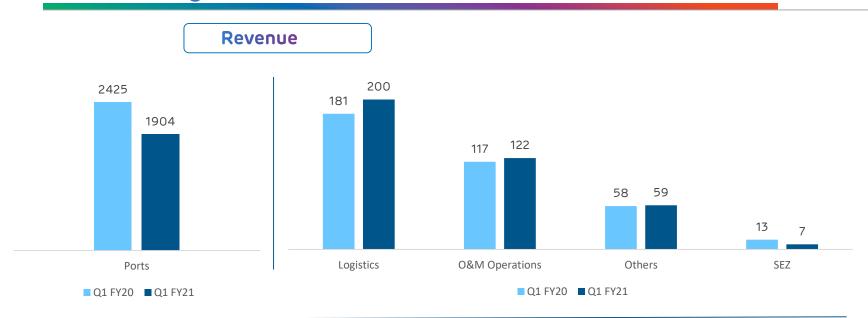
P&L

- Operating revenue lower by 18% due to 27% decline in port volume.
- Port revenue at Rs.1,904 cr. in Q1 FY21 vs Rs.2,425 cr. in Q1 FY20.
- Port EBITDA* at Rs.1,324 cr. in Q1 FY21 vs Rs.1,709 cr. in Q1 FY20.
- Port EBITDA margin maintained at 70%.
- Logistics revenue at Rs.200 cr. a Y-o-Y growth of 10%, on account of higher rail volume and addition of B2B Logistics.
- PBT at Rs.943 cr.
- PAT of Rs.758 cr.

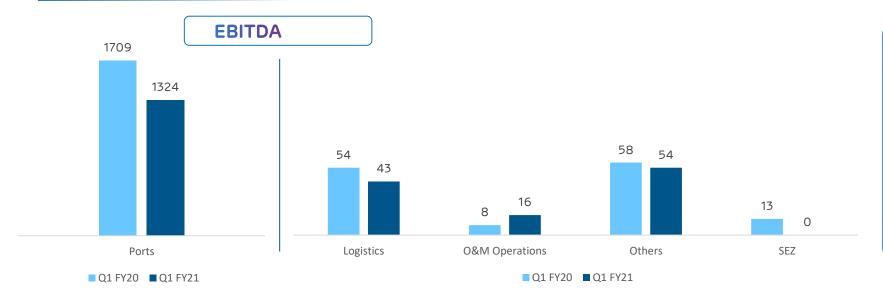
APSEZ: Segment wise Revenue & EBITDA* Q1 FY21







- Decline in port revenue of 21% is lower than 27% decline in cargo volume due to change in cargo mix.
- Logistics revenue increased on account of additional rail capacity, new routes and addition of B2B.



- Decline in port EBITDA of 23% is lower than 27% decline in cargo volume due to change in cargo mix.
- Logistics EBTIDA lower due to initial setup expenses of Rs.4.5 cr. for Inland Waterways and lower terminal volume.

APSEZ: ESG Update Q1 FY21



Y-o-Y Performance



Energy Intensity*

15 % ↑

226 GJ/Revenue



Emission Intensity*

1%↓

25.12 tCO2e/Revenue



Water Intensity*

6 % ↑

20.2 ML / MMT



Waste Management*

91%

Waste Managed through 5R

Initiatives till date



Wind Energy #
6 MW



Solar Energy#

13 MW



Terrestrial Plantation

1.1 Million

Trees Planted



Mangrove

2889 Ha - Afforestation 2340 Ha - Conservation

Focus Areas

- Efficient use of water and energy from cleaner sources
- Reduction of emission levels
- Zero tolerance for fatalities at ports

Current ESG Rating

- Sustainalytics ESG Risk Rating is "Low"
- DJSI ESG Score is 25/100
- CDP Climate Change Score "C"
- MSCI 'CCC' engaging with MSCI for improvement

First integrated annual report as per international reporting standards in FY20



Outlook

APSEZ: Update on COVID-19 and APSEZ's response



Impact on Indian Economy



- GDP expected to contract significantly in FY21.
- To bounce back from H2 FY21 due to measures taken by govt. to boost demand.
- To recover in FY22 with a expected growth of 6-7%.

Impact on Volume



- Port operation classified as an 'essential service' and all our ports are operating.
- Cargo volume declined by 27% in Q1 FY21 (Y-o-Y), progressive month on month improvement in Q1 registered.

Safety Response



- Hygiene, sanitization of workplaces & sites ensured, enabled 100% thermal scanning
- Majority of our administrative staff are working from home

Operational Response



- Relying on technology to improve efficiency of operations
- To save costs by converting fixed to variable and stricter control on overhead costs

Financial Response



- Focus on maintaining adequate liquidity and conserving cash
- Reduced Capex plans of FY21

APSEZ: Outlook



Economic Outlook

- Cargo volume lower due to slow movement of road transport and supply bottlenecks.
- Situation expected to improve progressively from 4th May as lockdown will be lifted in phases.
- India's GDP growth rate for FY21 is estimated to be flattish and various agencies are predicting a zero growth.
- GOI expected to announce stimulus to revive MSMEs and industrial production.
- RBI will continue to focus on ensuring ample liquidity and flow of credit to industries.
- Agriculture output to be at record level thus aiding exports.

Operations Outlook

- Availability of manpower to be a challenge this will impact productivity in the short term.
- Challenges to various industries as supply chain are clogged.
- EXIM to be subdued for some time.
- PMI expected to pick up from H1 FY21.
- Expecting slow pick up in cargo volume in Q2 FY21.
- V shape recovery possible in H2 F21 post complete lifting of lockdown.

APSEZ: Key focus areas FY21



Liquidity Management

- Focus on maintaining adequate liquidity to tide over uncertainties and unpredictable scenarios.
- Fully covered in-terms of debt servicing for next 12 months by ensuring adequate liquidity.
- Available cash balances of ~Rs.7,300 cr., creates a safety net.

Focus on Cash Conservation

- Rationalizing operating expenses :
 - Improving efficiency and optimizing cost.
 - Converting fixed cost to variable cost.
- Capex:
 - Reduction in Capex spending from Rs.4,000 cr. to Rs.2,000 cr.
- Improving Working Capital Cycle :
 - Improving DSO
 - Optimizing payment cycle

Capital Management

- IG rating to be maintained. Improving liquidity ratios ensuring credit quality.
- Net debt to EBITDA within the desired level of 3 to 3.5x.

Update on Acquisition

We will complete the planned acquisitions as some of them are transformational in nature

- KPCL, Dighi pending approval from authorities
- Above acquisitions are now expected to be complete by Q3 of FY21.

APSEZ is rated investment grade from FY16 and beyond



APSEZ - International Rating

Rating Agency	Rating/Outlook	Remarks
Fitch	BBB-/Negative	Rating reaffirmed
Moody's	Baa3/Negative	in spite of COVID-19
S&P	BBB-/Stable	impact, outlook revised.

APSEZ - Domestic Rating

Rating Agency	Rating/Outlook	Remarks	
CARE	AA+/Stable	Long Term Facility	
ICRA	AA+@; A1+	Long Term Facility; Short Term Facility	
India Rating	AA+/Stable: A1+	Long Term Facility; Short Term Facility	

Joint Ventures - Domestic Ratings

Rating Agency	Rating/Outlook	Company	Remarks	
CARE	AA/Stable	AICTPL (JV with MSC)	Long Term Facilities	
India Rating	A+/Stable	Adani CMA (JV with CMA CGM)	Long Term Facilities	

Subsidiaries - Domestic Rating

Rating Agency	Rating/Outlook	Company	Remarks
CARE	AA+ (CE) / Stable	Adani Agri Logistics Ltd	Rupee Term Loan Facility
ICRA	AA+ (CE); Stable	Adani Hazira	Rupee Term Loan Facility
ICRA	A+/Stable	MUPL	Rupee Term Loan Facility
India Rating	AA/Stable	Dha mra Port Com pany	Rupee Term Loan Facility



Technology & People

Leveraging technology on an enhanced service base



Automated
Workflow &
Data Based
Decision making

Automated & Integrated Workflow Platforms for Internal and External Stakeholders – providing visibility & data based decision making Design Bidding

Project
Management

Operations

Project
Closeout

Data
Analytics &
Optimisation

Capturing Data and using the same for Performance Improvement

Integrate

Visualise Analyse

Robust & Secure Technology Framework

Efficient, future ready, integrated, flexible, disruptive & secure IT & Technology Universe



CAPEX Planning & Optimisation

Cost Optimisation

Ops. Efficiency Improvement

Efficient Planning: Speed & Flexibility

Info-security

Visibility: Real time Data

Port Community System

Customer Centricity

Building best-in-class technology to attain higher efficiencies and deliver better customer experiences

People - Building future ready organization





Leadership pipeline development

- Leadership readiness for new business and international expansion.
- Successor Identification, Development & Deployment.
- Mentor mentee, Takshashila, North-Star program.



Continuous Capability Development

- Focused training approach.
- People in sync with changing needs.
- Enhance culture of Collaboration
- Technology adaptable workforce
- Scalable organisation structure



Talent Management

- Create Opportunities for Internal Talent.
- Lateral requirement from IIM, IITs, and other premier institute of India.
- Readiness for integrating acquisitions & international expansion

Building APSEZ as a future ready organisation: Right People with Right Skills at Right Positions & Right Locations



ESG - Achievements & Case Studies



Environment related factors that matter to our business model

Climate Awareness

Climate Readiness

Climate Alignment

Carbon Emission

Resource Management

Waste Management

- Avoided 15320 tCO₂ in FY20 by 19MW of RE projects.
- Planted 1.1 Million trees in 745 ha area till FY20
- ➤ GHG Monitoring Plan for Supply Chain to reduce Scope 3 emission
- Used 3952 ML water in FY20; avoided 74% water withdrawal from shared resources.
- 2ML of Mundra town's sewage is channelized per day to our facilities for treatment and reuse
- Developing rainwater harvesting structures

- > **5718 MT** of waste was disposed and **94%** of which were managed by following 5R principles
- > **Zero** Hazardous waste were sent to landfill sites.
- Developing integrated waste management facility at each site

We have aligned our business plan and investment in the following activities for sustainable growth, with focus on preserving environment and measuring GHG emissions

- Disclosure in CDP, Becoming TCFD Supporter, Signatory to SBTi
- Water Neutrality and alliance for water stewardship certification
- Research & Development and Innovation for low carbon technology
- Biodiversity Management & Conservation

APSEZ: Social Up-liftment Fisherman Community





Education

Free Education -

155 students

Play School for -

1061 students

Scholarship Support -

530 students

Transportation Support –

605 students

Turtle Conservation Trainings to Fishermen –

250 fishermen



Community Health

Medical Support -

9876 persons

Senior Citizen Scheme (above 60 years) –

250 persons

Support for Insurance cover –

2566 persons

Medical Financial Support in case of emergencies –

3678 persons



Sustainable Livelihood

Alternate Livelihood Support (Mangroves Nursery) –

42048 person days

Women Empowerment –

1505 beneficiaries

Fishing equipment support –

3046 beneficiaries

DATS Distribution for Safety to Boat Fisherman –

50 beneficiaries

Cycle to coastal Fisherman -

74 beneficiaries

Life Jacket Support -

1250 beneficiaries



Community Infrastructure

Basic Facilities (Shelter and Electricity) –

288 persons

Drinking water facilities -

1086 Households

Sanitation Facility –

185 toilets

Constructed approach road for fishing activity –

13.23 km

Restoration of Shelter -

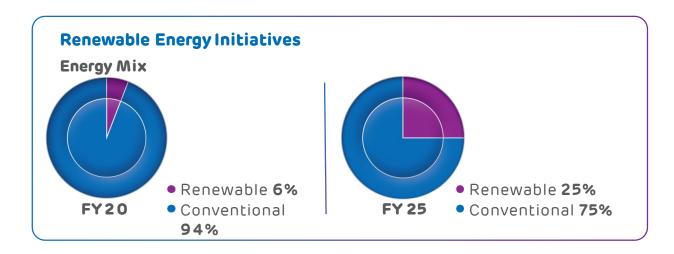
385

Solar Light/lantern support -

1293 lamps

Case: Carbon Footprint Reduction and Waste Management





Integrated Waste Management

Waste Management through 5R Principle (Reduce, Reuse, Reprocess, Recycle, Recover)



E-RTG	Conversion of D-RTG to E-RTG		
Conveyor Belt	Replaced mechanical operation of coal shifting with conveyor belt		
LED	Replaced conventional lighting system with energy efficient LEDs		
5XL Trailer	Fuel consumption for steel coil handling activity reduced by 50%		
Shore	Providing shore power to tug and dredger operations		
Power	Power Pilot project of LNG driven ITVs has been successfully tested		
Fuel Shift	Pilot project on battery driven tug is in progress		

Initiatives

- Material Recovery Facility
- Biogas Plant (Waste to Energy)
- Organic Waste Converter
- Oil-water separator facility

Achievements

- Zero Waste to Landfill certification
- Biogas generation 30 m³/day
- 1MTD manure production
- Waste Co-processing by Cement Industry

D-RTG - Diesel Rubber Tyre Gantry Crane E-RTG - Electric Rubber Tyre Gantry Crane





Company	Issue Date	Issue Size (USD Mn.)	Coupon	Current Yield#	Price#	Maturity Date	Debt Structure	Rating
	Aug,20	750	4.20%	4.10%	102.31	04-Aug-2027	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
	Jul,19	650	3.38%	3.28%	102.58	24-Jul-2024	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
APSEZ	Jun,19	750	4.38%	4.22%	102.75	3-Jul-2029	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
	Jun,17	500	4.00%	3.93%	101.36	30-Jul-2027	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
	Jan,17	500	3.95%	3.85%	102.36	19-Jan-2022	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
					ATL			
AEML	Jan,20	1000	3.95%	3.92%	100.38	12-Feb-2030	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
ATL – Obligor 1	Nov,19	500	4.25%	4.25%	99.70	21-May-2036	Amortizing	BBB- (S&P, Fitch) / Baa3 (Moody's)
ATL – Obligor 2	Aug,16	500	4.00%	3.82%	104.37	3-Aug-2026	Bullet	BBB- (S&P, Fitch) / Baa3 (Moody's)
AGEL								
AGEL	Oct,19	362.5	4.625	4.78%	96.37	15-Oct-2039	Amortizing	BBB- *-(S&P)/ BBB- (Fitch) / Ba1 (Moody's)
	Jun,19	500	6.25%	4.72%	97.76	10-Dec-2024	Bullet	BB+*- (S&P)/BB+ (Fitch)

- Successfully raised ~USD 4 Bn in FY20 and ~USD 7 bn in total
- The Group now offers bonds in entire yield curve (tenor ranging from 5 years to 30 years)

Note: "Price and Yield data as on 2nd Sept, 2020

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