



Adani Energy Solutions Limited

(Formerly known as Adani Transmission Limited)

Credit Presentation

August 2023

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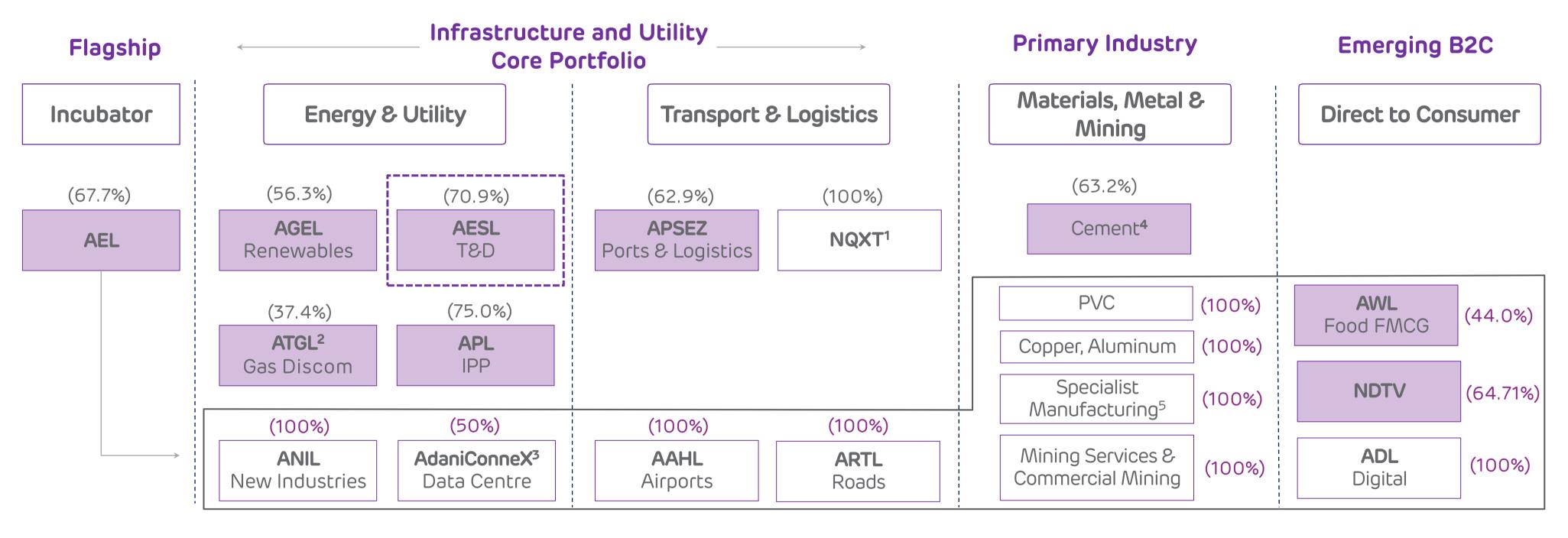


Adani Portfolio

Adani: A World Class Infrastructure & Utility Portfolio



adani



(%): Promoter equity stake in Adani Portfolio companies

(%): AEL equity stake in its subsidiaries

- Represents public traded listed verticals

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

Adani Portfolio: Decades long track record of industry best growth with national footprint



Secular growth with world leading efficiency



Ports and Logistics

Growth 3x

EBITDA 70% 1,2



Renewables

Growth 4x

EBITDA 92% 1,4



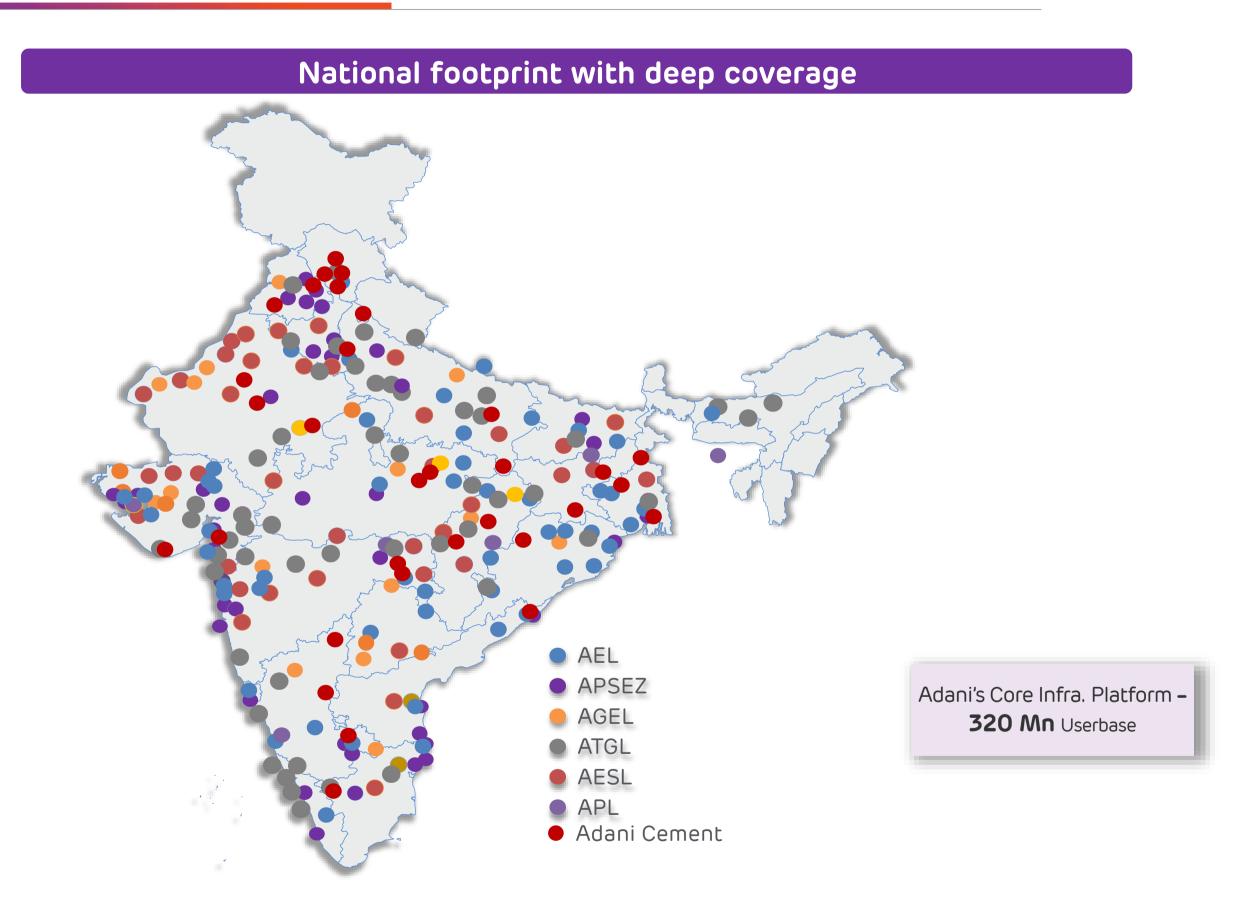
Growth 3x

EBITDA 91% 1,3,5



Growth 1.4x

EBITDA 19% 1,3



Adani: Repeatable, robust & proven transformative model of investment



Phase		Development			Operations		Post Ope	erations	
Centre of Excellence	Project Management & Assurance Group				AIMSL*		Policy - Str	Policy - Strategy - Risk	
	Origination	Site Development	Construction		Operation		Capita	l 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 		ne asset	
	India's Largest Commercial Port (at Mundra)	Longest Private HVDC Line (Mundra – Mohindergarh)	2,140 MW Hybrid cluster operationalized in Rajasthan in FY23		Energy Network Operation Center (ENOC)			Matching y Risk Management Risk management	
Performance	Highest Margin among peers	Highest line availability	India's first and World's largest solar- wind hybrid cluster		Centralized continuous monitoring of plants across India on a single cloud-based platform		Governance 8 (ABEX -Adani	Assurance Business Excellence 15% 5%11%	
							14% 1% 55% March 2016	34% 2 2% March 20	
							SU ■ Pvt. Banks ■ B obal Int. Banks ■ PSI	onds ■ DII J – Capex LC ■ NFCs a	

AESL: A platform well-positioned to leverage growth opportunities in energy domain



Development



Execution Prowess

Transmission Network of 19,820 ckm⁽¹⁾

Built Longest Private HVDC Line (2)

Strategic Presence

Transmission - Presence in 14 states

Distribution - Integrated utilities catering to Mumbai (AEML) and Mundra (MUL)

Smart Meters - Presence in 3 states

RAB expansion through Asset Hardening in Mumbai Discom

8% CAGR growth in Regulated Asset Base in Mumbai in 5 years (since acquisition)

Operations



Operating Efficiency

Robust network availability of 99.7%

One of **lowest Distribution losses** in the country **(5.93% in FY23 in AEML)**

Highest EBITDA margin in the sector (91% in Transmission)

Consumer-centricity

Supplier of choice for 12 million+
consumers with a green power option
and digital service

Smart Metering (TOD tariff)

CSAT surveys for 12 critical processes for high consumer satisfaction (top 3%)

Embedded ESG Framework

Decarbonisation of Grid (Achieved 30% and on track to reach 60% RE power by FY27)

Installed **3.36 MWp** solar capacity for auxiliary consumption at substations

Board Diversity and Strengthening

Returns and Equity Value Creation



Equity Partnerships(3)

Secured primary and secondary equity investments from marquee investors –

QIA in AEML (US\$ 452 mn), IHC (US\$ 500 mn) and GQG Partners (US\$ 665 mn) in AESL

Construction Framework Agreement

Fully funded plan, AESL has raisedUS\$ 700 mn (US\$ 1.1 bn fullydrawn) revolving facility, additionalUS\$ 2 bn GMTN program in placefor AEML Capex program

Significant Growth Potential

Parallel Licensing, Smart Metering and Cooling Solutions

Increasing participation in **renewable grid** (eg: HVDC Mumbai, Khavda)

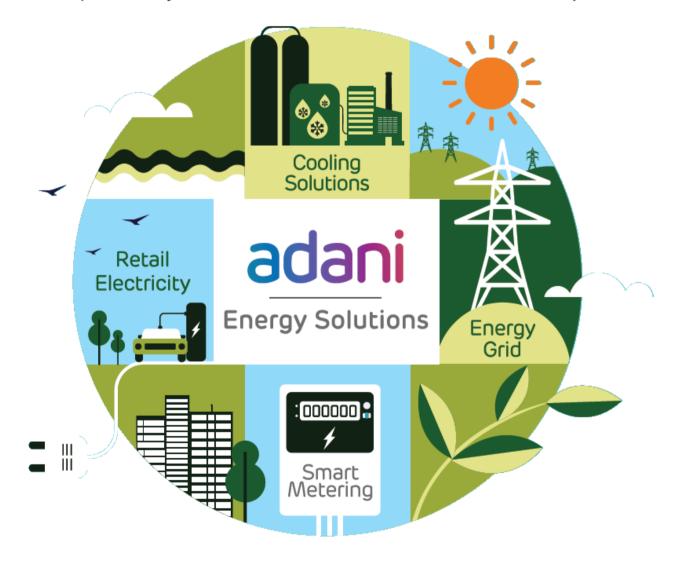
Green industrial cluster in Mundra

Note: 1) Transmission network is as of June 2023 and includes operational, under-construction assets; 2) HVDC: High voltage direct current – Longest at the time of commissioning, 3) QIA's Investment in AEML: US\$ 452 mn (Rs 32 bn) total investment (US\$ 170 mn of Equity and US\$ 282 mn of shareholder sub-debt), IHC Investment is Rs. 3850 Crs for 1.41% stake (US\$ 500 million), GQG Investment of Rs. 5,532 Cr (US\$ 665 million) for 6.63% stake based on closing price of Rs 878 dated August 20, 2023



Adani Energy Solutions Ltd.

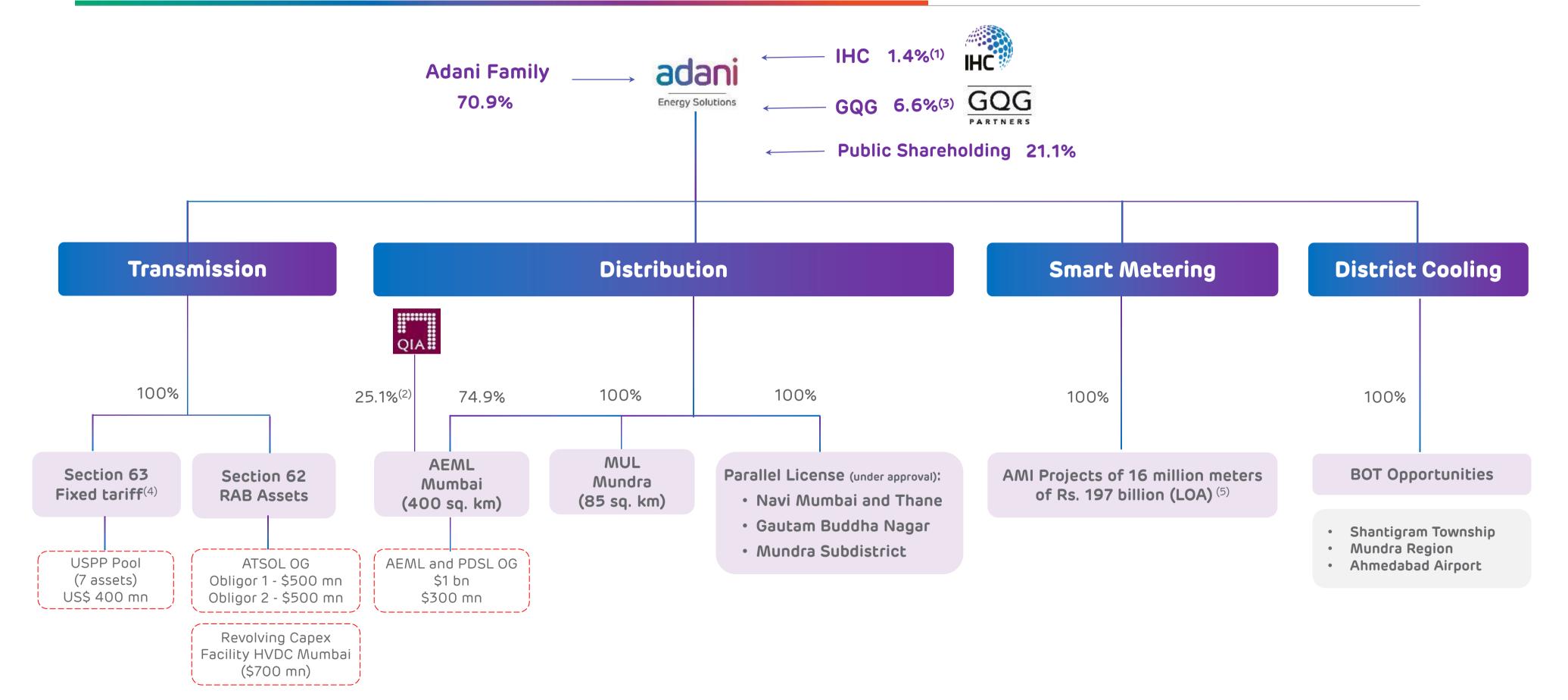
(formerly known as Adani Transmission Ltd.)



About AESL

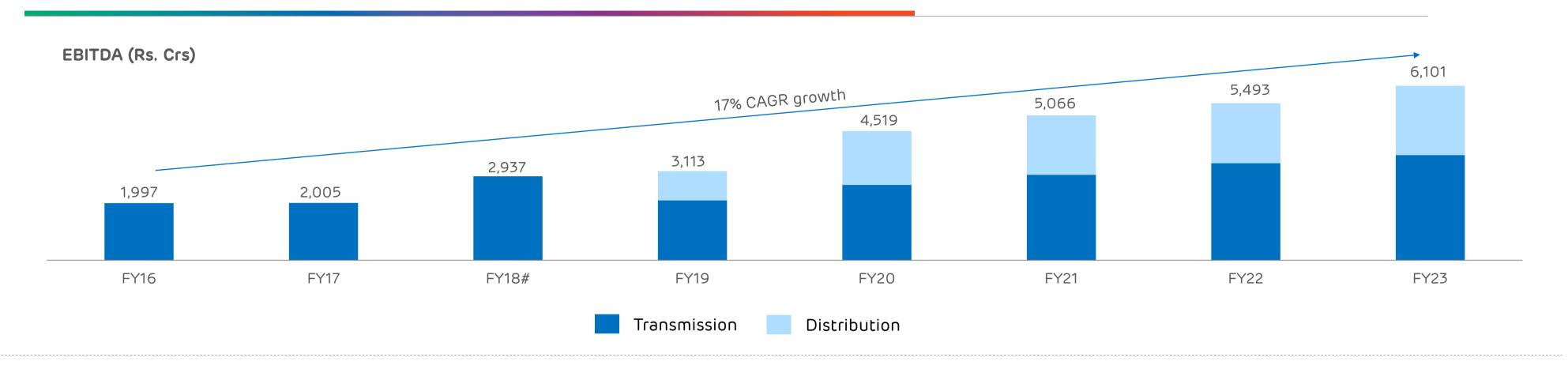
AESL: Business Snapshot

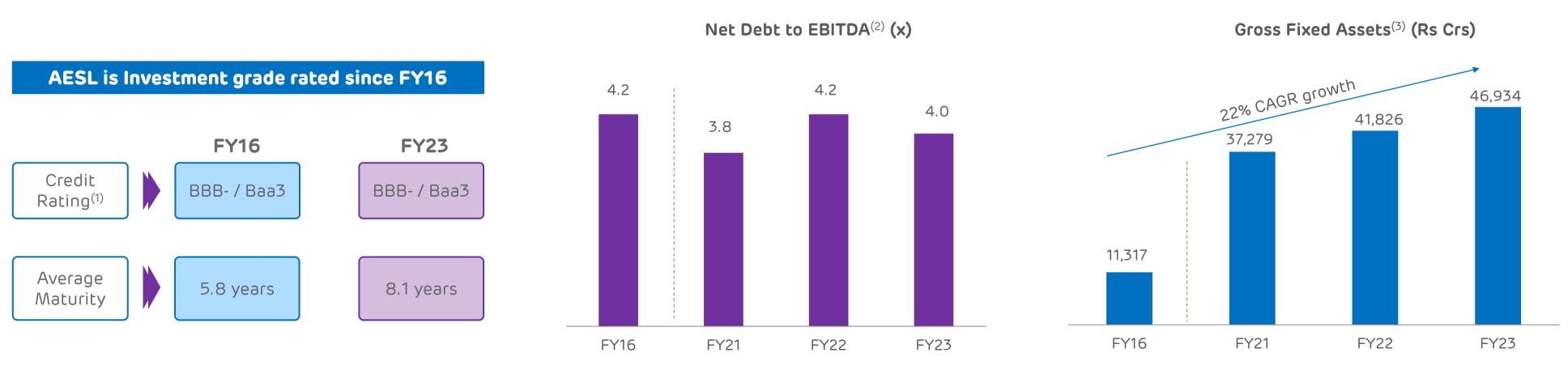




Transformational Journey with Robust Growth and Credit Discipline







Business Philosophy focusing on De-risking at every stage of project lifecycle



DE-RISKING AT EVERY STAGE

Route Identification & Survey

- Route alignment on topographic maps to optimize route & identify key parameters
- Utilization of Drones for route survey
- Robust site diligence and route planning to minimize project cost and ROW issues

Project Planning & Scheduling

- Robust Pre bid estimation of ROW, Project Cost and Timelines resulting in assurity of returns
- Solid vendor management and strong relationships adds to business sustainability and avoid cost escalations

Capital Management

- Takeout of construction debt post commissioning (eg: USPP issuance)
- Maintained international investment grade rating while achieving impressive growth

OUR BUSINESS PHILOSOPHY

Project Execution

- Complex projects experience: Completed HVDC project (~1000 kms) in a record time of 24 months
- Contracting methodology focused on derisking –
 competitively awarded on fixed price & fixed time basis
- Availability of large talent pool and in-house capabilities

Construction Finance

- Derisked financing through fully-funded plan
- Revolving Construction facility of US\$ 700mn for transmission and GMTN program of US\$2 bn for AEML
- LC facility to reduce financing cost & optimize funding schedule

Tech Enabled Operations

- Life cycle O&M planning
- Reliability centered Maintenance
- Remote operation of sub-stations and integration with Energy Network Operating Centre

DE-RISKING AT EVERY STAGE

Project Management & Assurance Group (PMAG) - End to End Project Integration





Bidding, Site Scouting



Project Development & Basic Engineering



Execution



Operations



Concept

Integrated Project Management



Strength: Team of 90 professionals having hands-on experience of 2,000+ man-years of complete project management cycle of small, medium & large projects

Bidding Stage

- Integrating & providing cross functional support for Bidding Process
- Site Location Assessment, coordinating for field visits
- Bid stage scope finalization & technology adoption with engineering
- Bid Stage Cost Estimates
- In case of M&A's, collaborating and assessment of asset

Project Development

- Collaborates for Technology finalization &
 Scope
- Execution Strategy
- Contracting Strategy
- Detailed Project Report
- Coordinating for connectivity & evacuation
- Level 1 Project Schedule
- Capex Budgets and Estimates
- Risk Assessment & plan
- Procurement Planning
- Financial Closure Plans

Project Execution

- Integrated L3 Project Schedule
- Baselining Cost and Resource plans
- Issue & Risk Management
- Supply Chain Management and Contract
 Administration
- Contractor & Vendor Management
- Change Management
- Monitoring Approvals , Permits & Licenses
- Managing Lenders & LIE interface
- Cash Flow Management
- Project Monitoring & Control
- Mid Course Corrections (Catch up)

Project Close Out

- Facilitating the Handover & punch list closure
- Contract Closures
- Close Out Report
- Material Reconciliation
- Spares Handover
- Closure of LIE and Lender Reports
- Stakeholder Recognition
- Finalizing the Final Costs
- Ensuring built as per Drawings







Strong Project Controls

Capital Management Philosophy to achieve growth at scale with capital discipline



AESL is the only private sector transmission and distribution company in India with International IG Rating

- Long life contracted assets with sovereign counterparties in a stable regulatory regime (Transmission: 35 year concession, Distribution: Perpetual life)
- Capital structure designed through debt financing at longer tenure matching concession life and terms akin to stable assets

Project Construction Financing

Ensure senior debt availability for Project
Construction
Ensure NFB facility to bid for project

Cash to Growth

LRA for future unfunded capex

Post-Commissioning Phase

Debt Capital market refinancing at lower interest rate, longer tenure and terms akin to stable assets

Capital Mgmt. throughout Project lifecycle

Development Phase

Post-commissioning Phase

Demonstrated

Raised green field finance over ~INR 140 Bn (USD 1.9 bn) for project construction

NFB limit of INR 1,150 crore (USD 153 mn)

Revolving Construction Facility of USD 700 mn

Construction Facility to be upsized to fund confirmed projects and upcoming project

Free Cashflow from operational projects providing necessary equity capital for growth

1st issuance - AESL Obligor Group: **US\$ 500 mn**

2nd issuance - AESL Obligor Group: **US\$ 500 mn**

30 year USPP issuance: US\$ 400 mn

AEML bond issuance: US\$ 1 Bn

AEML GMTN program: US\$ 2 Bn (US\$ 300 mn drawn)

Future USD bonds/USPP raise via. Global Debt
Capital Market (already demonstrated for operational projects)

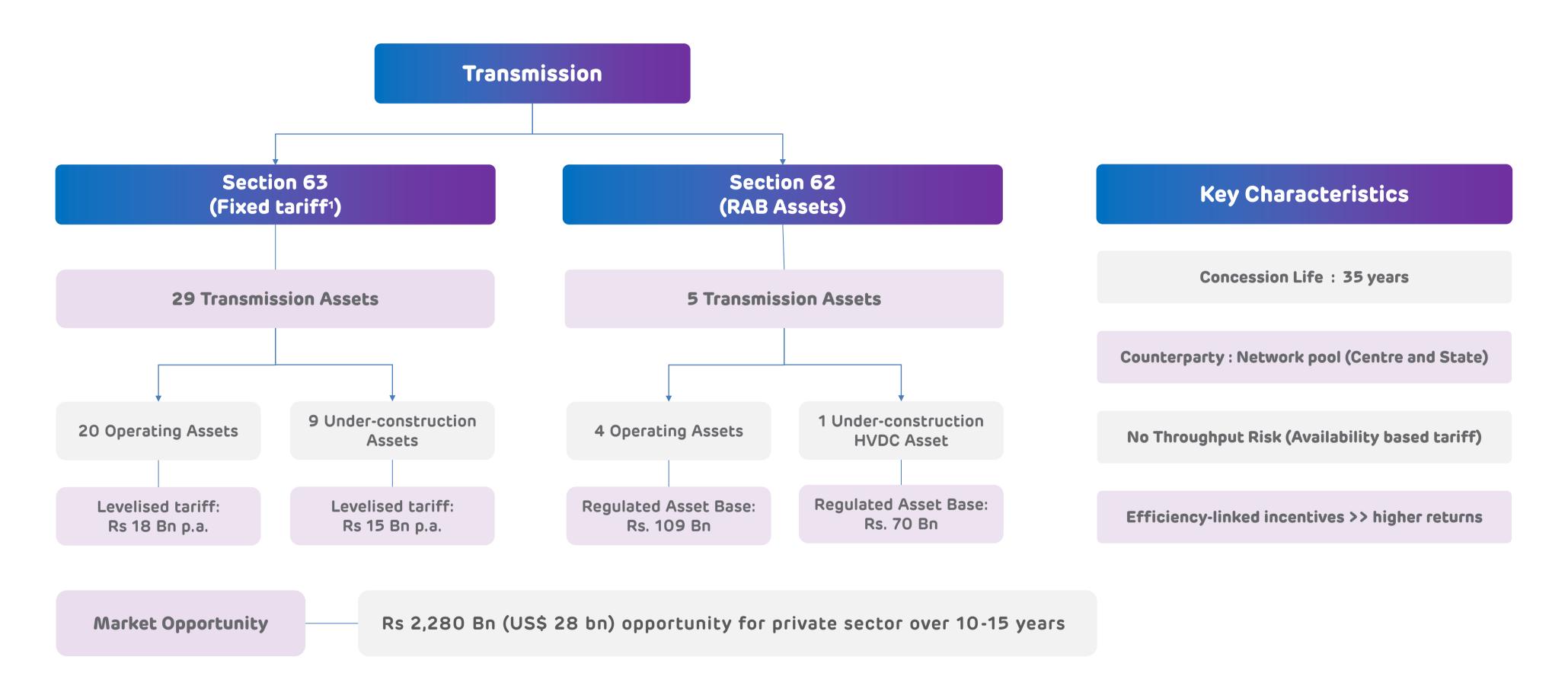




Transmission

Transmission Business





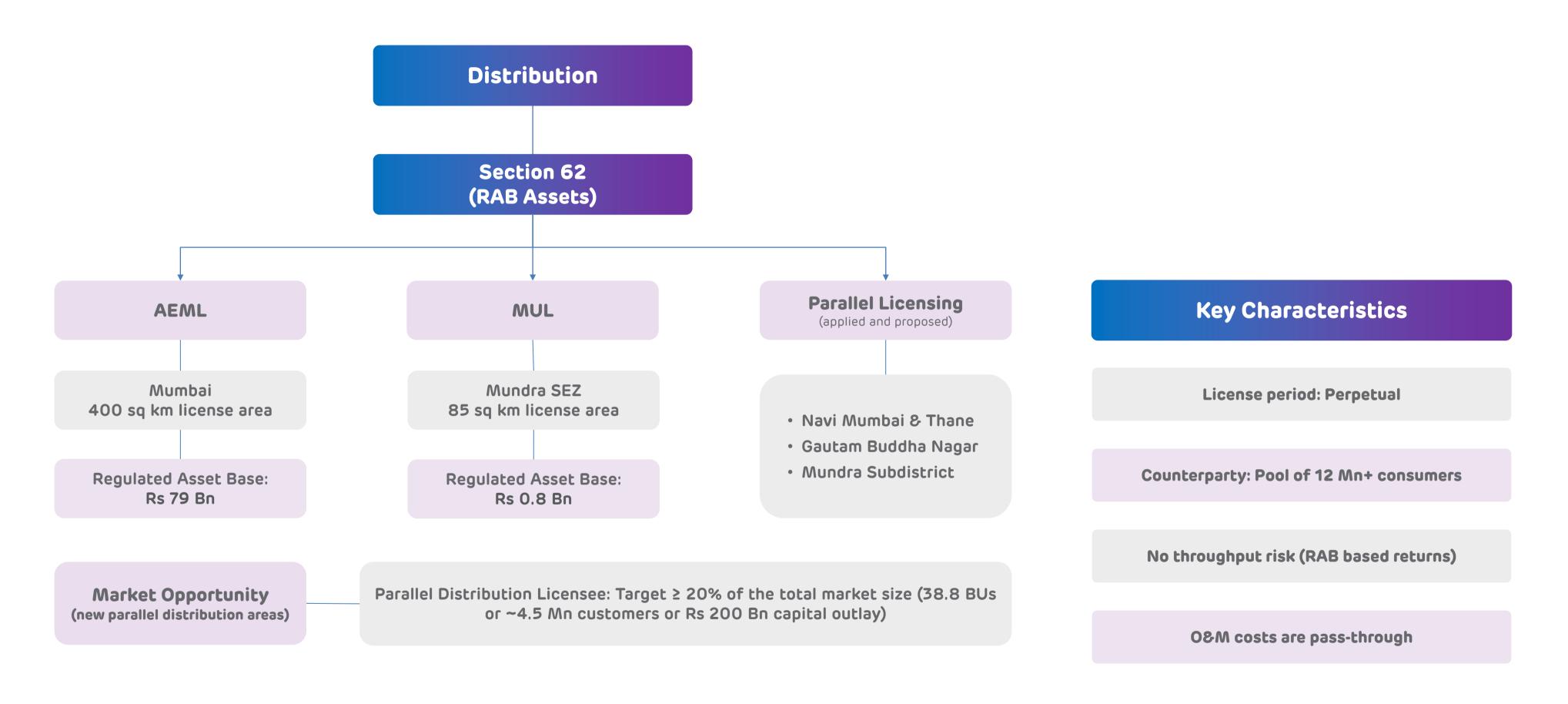




Distribution

Distribution Business

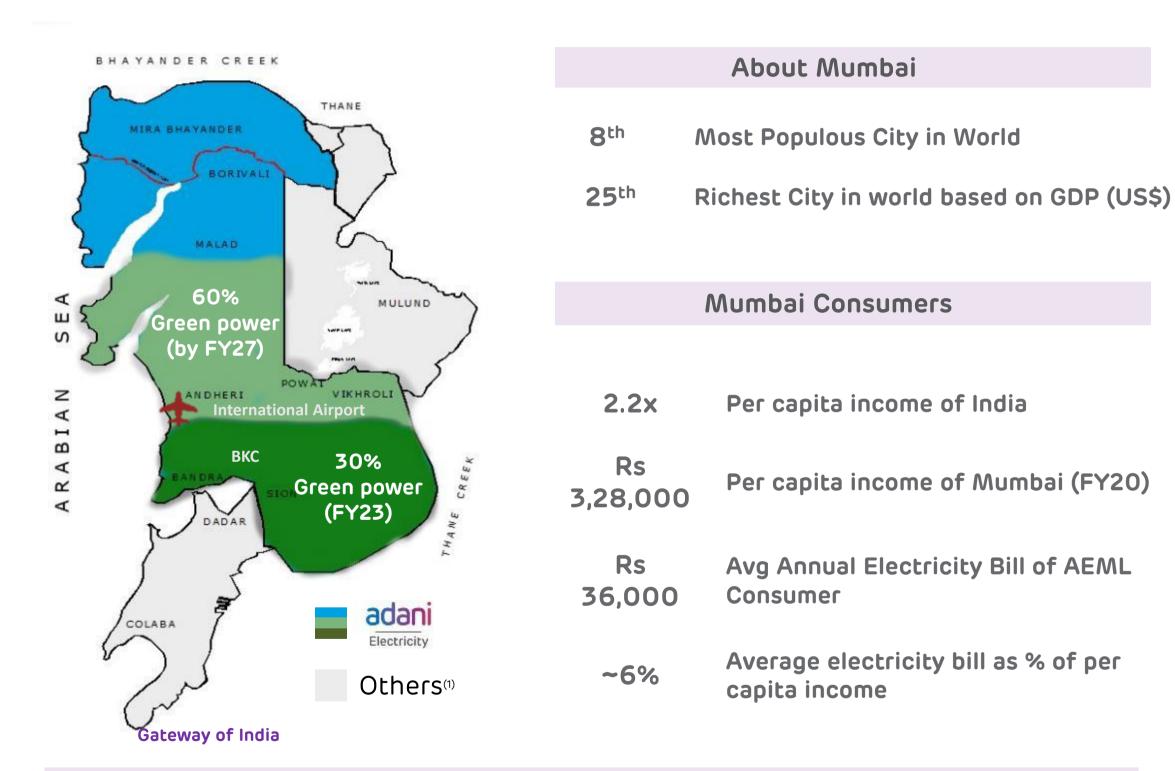


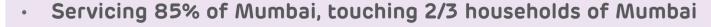


AEML Distribution: India's No. 1 power utility, as per MoP, McKinsey, PFC (Scored 99.6/100)

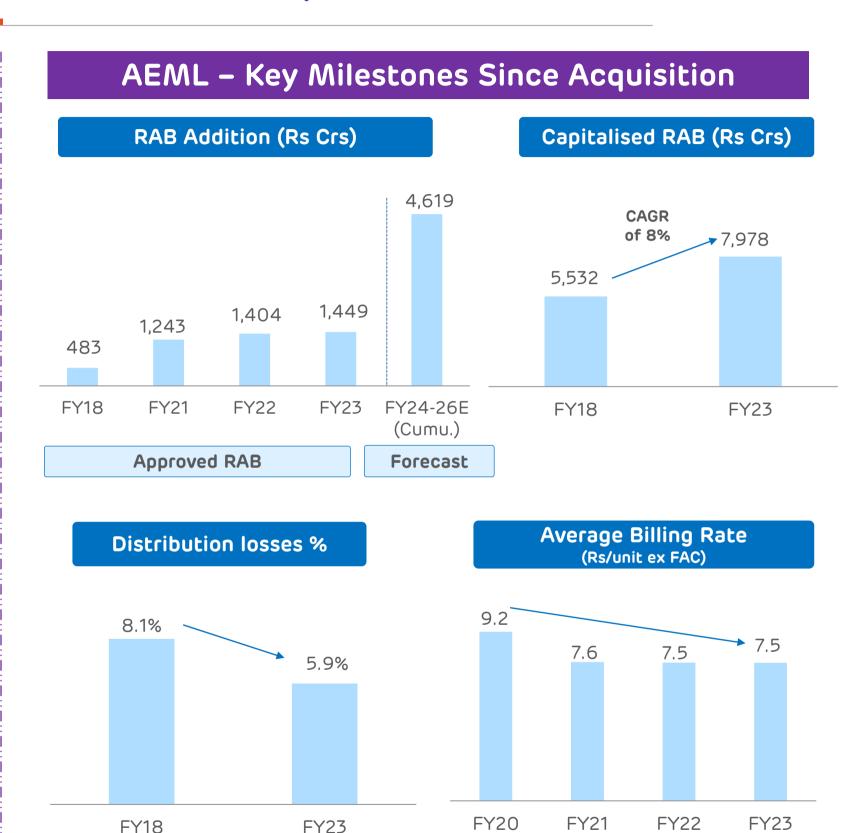


Largest Integrated utility in India's Commercial Capital - Mumbai





Only mega city in the world to achieve 30% renewable power



Capex-led growth in Regulated Asset Base to drive growth in returns (Rs. 46 Bn over FY24-26)

MPSEZ Utilities Limited (MUL) - Overview

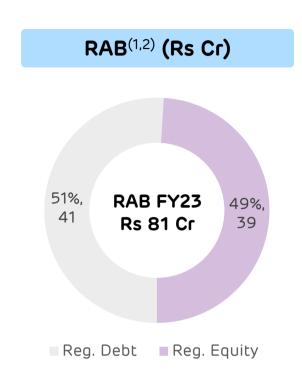


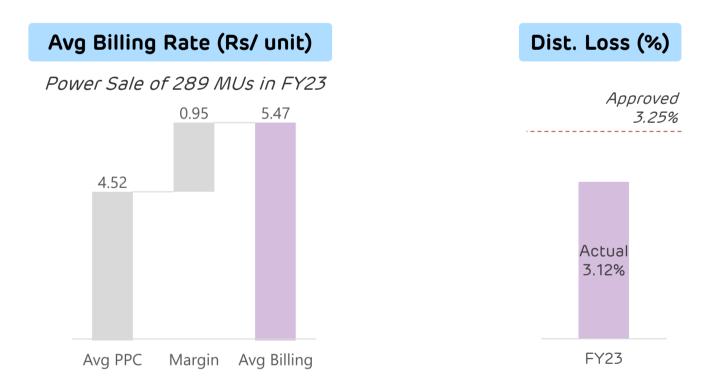
Mundra SEZ is strategically located with well developed supporting infrastructure serving as an attractive industrial hub



- Electricity Distribution for Mundra SEZ area
- 160 Kms Distribution network
- Catering primarily to commercial and industrial consumers
- Section 62 (RAB Based) asset governed by Gujarat Electricity Regulatory Commission

- Mundra SEZ is India's largest multi-product SEZ spread across 84 sq km
- Mundra port is India's largest private commercial port with capacity to handle cargo of ~264 MMT
- SEZ also has a huge land bank reserve for large-scale industries in future
- Given the large industry cluster opportunity in Mundra SEZ area and the accompanying expected growth in power demand, AESL is well placed to grow the MUL business





MUL's existing load of MUL is ~80MW, which is expected to grow multifold due to new investments in copper, petrochemicals and solar manufacturing & ancillary industries in the Mundra region

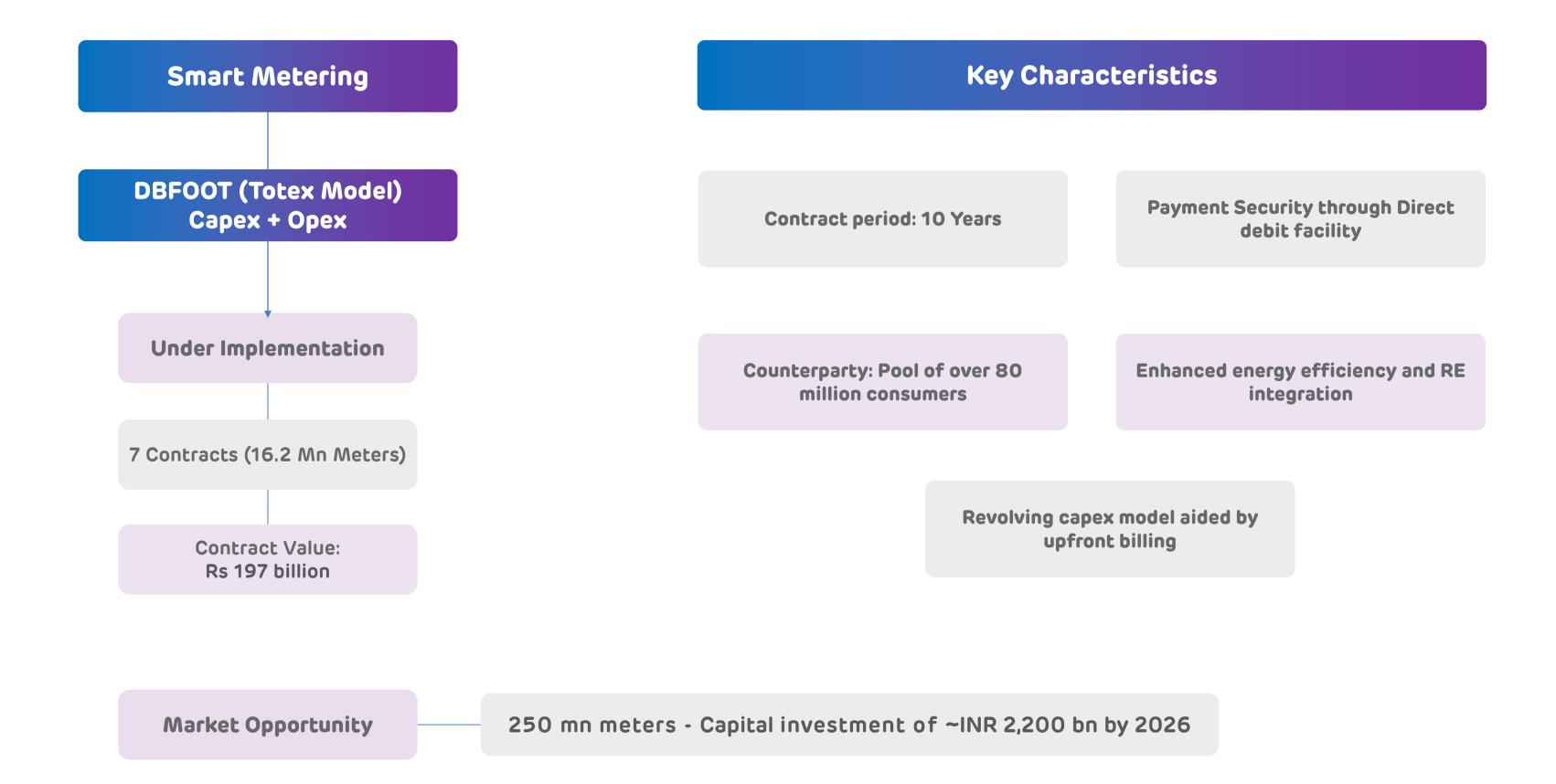




Smart Metering

Smart Metering Business

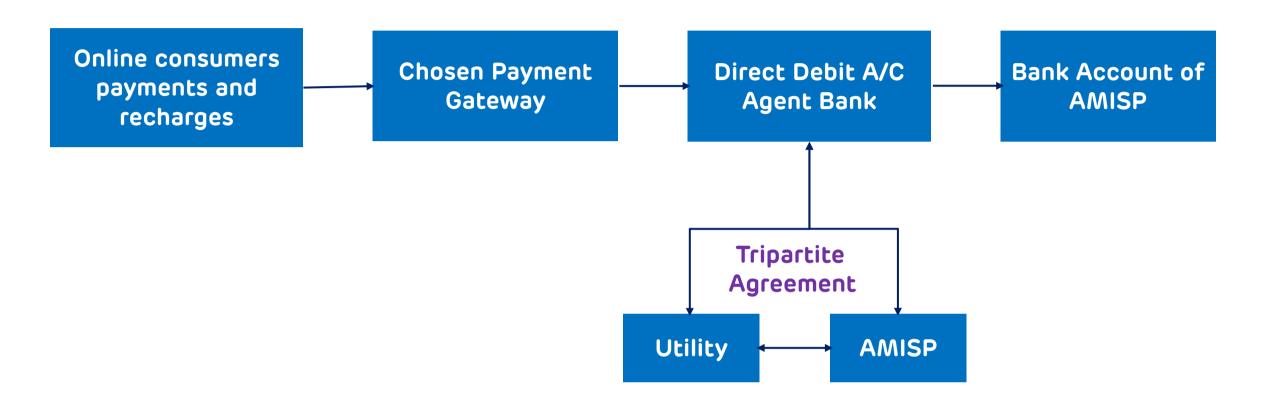




Smart Metering Contractual Framework



Payment Flow under the Direct Debit Facility Agreement (DDF Agreement)



- Payments shall commence one month after "Operational Go Live' Operational Go-Live shall be considered upon successfully installing 25K nos. of smart meters
- All payments due to AMISP shall be governed under the DDF Agreement
- Direct Debit Facility Agreement uniform to all discoms, finalized by REC being the Nodal Agency
- Payment shall be made through 'Direct Debit Facility' (DDF) from a dedicated account to the account of the SPV
- Direct Debit facility will include bucket filling approach whereby all consumer bill payments to the extent of the invoice smart meter will be routed to the SPV's Bank account

Key Highlights of the Contractual Framework

Implementation model – Design, Build, Finance, Own, Operate, Transfer (DBFOOT) model with complete responsibility of development and O&M on Implementing agency (AMISP)

End to End Smart Metering services with a contract period of 10 years, and Smart Meter, including installation period of 27 months

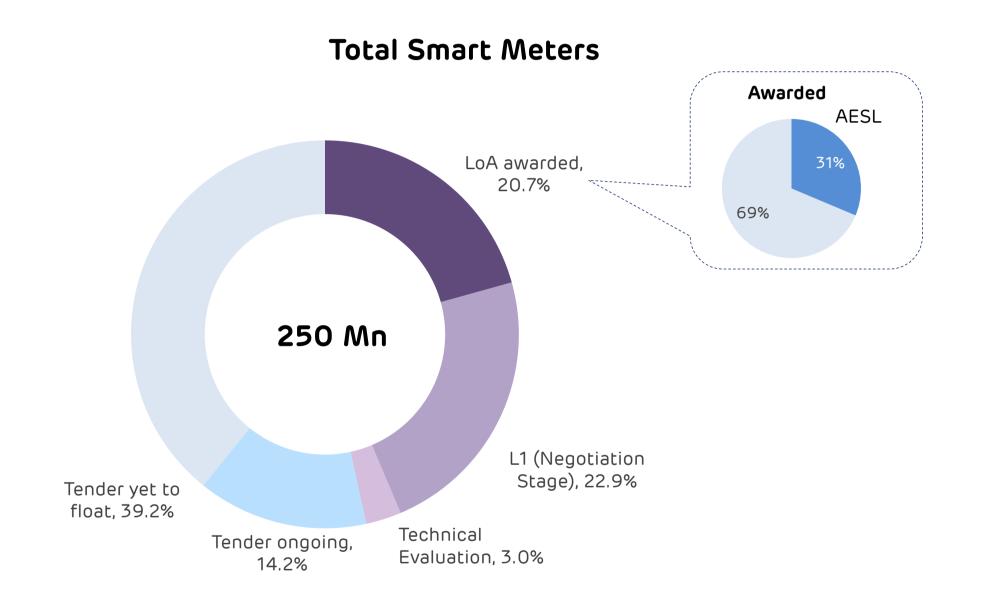
Revenue inflows are received immediately on installation

Monthly fees for assuring meter installation and its integration with system

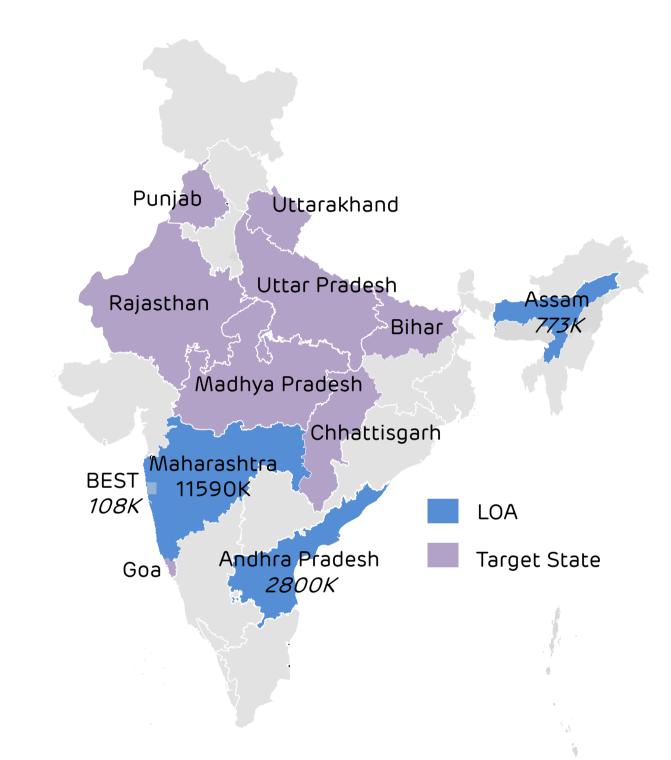
Market Dynamics – Smart Metering Business



- AESL's Market Share (LOA and L1) 31% out of 109 Mn Smart Meters tendered so far
- Untapped market 141 Mn Smart meters



Of the targeted 250 Mn meters, India has bid out (1) 44%, of which AESL Smart Meters has secured 31% market share



AESL has an LOA for 16.2 Mn smart meter qty. with an order value of Rs 197 billion (US\$ 2.4 bn)

AESL's Core Strengths and Available Synergies:

Distribution & Smart Metering Experience | Expanding Distribution business across India | Pan India presence





District Cooling

District Cooling Business



The District Cooling System (DCS) produces chilled water in a central plant and distributes cooling capacity in the form of chilled water from the central plant to multiple buildings through a network of underground pipes for use in space and process cooling.

Large Addressable Market and Existing Synergies

- Opportunity to unlock potential in nation-wide Infrastructure (airports, data centers, SEZs, reality space)
- Limited competition and presence

Demographic and economic trends to drive cooling demand

 Rising per capita income & urbanization coupled with higher AC ownership (penetration of 8% in 2022) cooling energy consumption will increase

DCS demand to be driven by four key segments

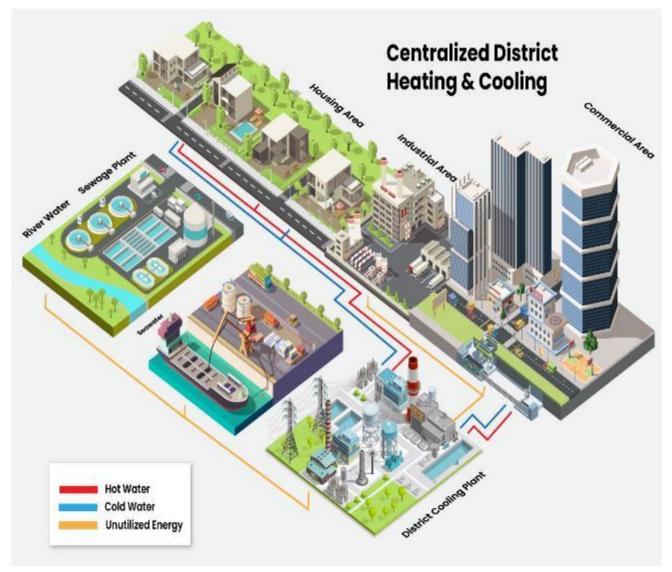
Airports, Industrial Cooling, Commercial Real Estate and Data
 Centers are the primary segments which will drive the demand

Integrated Utility Offering

 Potential to offer as an integrated solution along with power transmission, distribution, smart metering and power trading

ESG Integration

- Sustainable Cooling Solution for a Low Carbon Future



Picture source: Hisaka Asia

Four key segments to drive India's DCS demand





To experience growth from 0.6 bn sqft (2019) to 1 bn sqft (2030)







Global industrial cooling market, expected to reach ~\$27 billion by 2030 @ CAGR of 5%



Data Centers

Data center cooling market growing @ CAGR of 22% to \$700 Mn over next 5 years



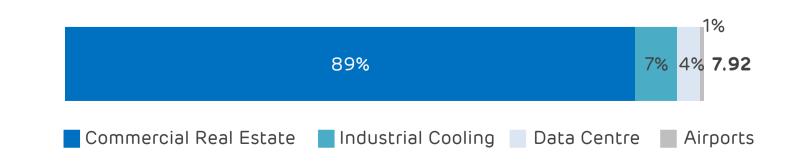
Airports

Indian air passenger traffic to double (vs pre-Covid level) by 2030



AESL Focus Areas

An aggregate DCS demand potential of over 7.92 Mn TR by FY30

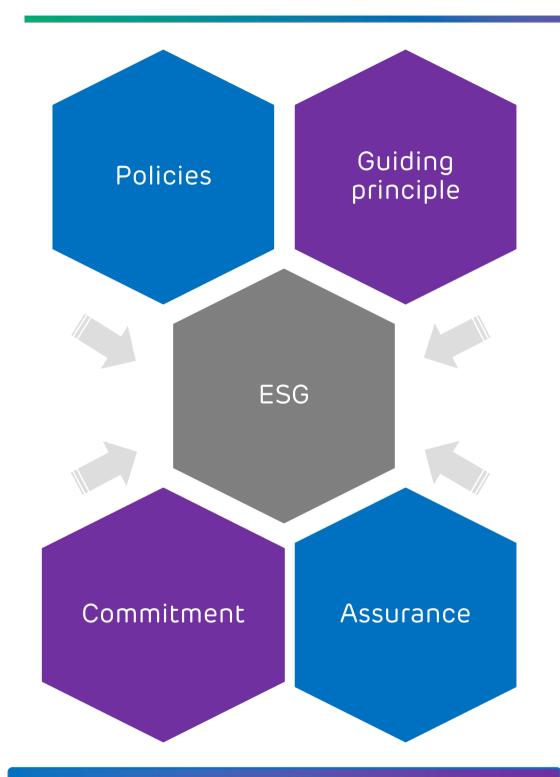




ESG Framework and Investment Case

AESL: ESG Framework





ESG Ranking

- MSCI (2023): BBB
- S&P CSA (2022) **scored 59/100** vs. world electric utility average of 31
- FTSE (2023): **4/5** (world utilities avg. 2.7/5)

Guiding Principles and

Disclosure Standards

United Nations Global Compact

TCFD

GHG Protocol

SBTi

IR framework reporting

CDP disclosure

UN Sustainable Development Goals

GRI Standards

Policy Structure

- Environment Policy
- Energy Management System
- Corporate Social Responsibility Policy
- Occupational Health & Safety Policy
 - Customer Grievance Redressal Mechanism
 - Corporate Social Responsibility Committee
- Corporate Responsibility Committee
 - Risk Management Committees
 - Stakeholders Relationship Committee

Focus Areas

UNSDG aligned:

- Affordable & Clean Energy
- Sustainable Cities and Communities
- Climate Action
- Good Health & well being
- Quality Education
- Industry, Innovation & Infrastructure

Others:

• Consumer empowerment

Our Commitment:

- Increase renewable power procurement to 60% by FY27 (achieved 30% RE in FY23) (SDG 7)
- Reduce GHG Emission Intensity⁽¹⁾ to 40% by FY25, 50% by FY27 and 60% by FY29 (SDG 13)
- Achieve Zero Waste to Landfill⁽²⁾ for all operational sites (achieved in FY23)
- Achieve Single Use Plastic Free⁽²⁾ (achieved in FY23)

AESL: Compelling Investment Case



Favorable Industry Landscape

- Evolved and stable regulatory regime has enabled growth of **AESL's business into multiple segments (Transmission, Distribution, Smart metering, District cooling) within energy domain**
- Focus on Grid reliability, consumerism and shift to RE based power propelled investments in across the value chain

Development and Construction Expertise

- Proven track record of excellence in development & construction of Transmission systems and asset hardening at AEML
- AESL remains competitive at bidding stage due to scale benefits and geographical presence across the country
- Solid vendor management and strong relationships adds to business sustainability and avoid cost escalations

Operational and Execution excellence

- Energy network operation center (ENOC) allows remote monitoring and diagnostics to enhance O&M efficiency
- Robust operational metrics line availability, supply reliability, distribution loss, affordable tariffs
- One of the lowest O&M cost through predictive maintenance and technology excellence

Capital Management Philosophy

- Capital structure designed through debt financing at tenure matching concession life and terms akin to stable assets
- AESL is the only private sector transmission and distribution company in India with International IG Rating

Capital Allocation and turnaround capability

- Disciplined approach towards new project bidding and acquisitions; stringent IRR (returns) threshold
- Commitment to maintain strong credit profile and investment grade rating
- Strong track record of acquisition and turn around of transmission and distribution assets

AESL: Board and Management Team



Strong Sponsorship

Managing Director

Independent Directors



Mr. Gautam S. Adani (Chairman)



Mr. Rajesh S. Adani (Director)



Mr. Anil Sardana (MD, AESL)



Mr. K. Jairaj



Dr. Ravindra H. Dholakia



Mrs. Meera Shankar



Ms. Lisa MacCallum

Skilled and Experienced Management Team



Mr. Anil Sardana (MD, AESL)



Mr. Bimal Dayal (CEO, Transmission)



Mr. Kandarp Patel (CEO, Distribution)



Mr. Rohit Soni (CFO, AESL)



Mr. Kunjal Mehta (CFO, AEML)

Strong governance framework with focus on transparency and independence



Annexures

31-35	ESG Initiatives
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40-42	Project Level Details – Asset Portfolio

AESL: Key Environmental Indicators and Milestones



Key Performance Indicators	Current Status	Baseline	Medium to Lon	g-term Targets
Energy Mix & Emission Intensity				
- RE share in power procurement	AEML has achieved 30% renewable in power mix in March 2023	3%	30% by 2023 (achieved)	60% by FY27
- GHG Emission Intensity Reduction	The target for GHG emissions reduction is in line with Nationally Determined Contribution (NDC) for climate change. Disclosed in terms of a reduction in GHG per unit of revenue.	-	40% by FY25	70% by FY30
Waste Reduction and Biodiversity Management				
- Zero waste to landfill (ZWL)	 Secured ZWL status from Intertek Covered all operational sites (substations and TLs) of AESL Achieved landfill diversion rate exceeding 99% 	No certification in FY19-20	Achieved ZWL for all 2022	O&M sites in May
- Single use plastic (SuP) free sites	 Attained SUP free status from CII-ITC CESD Covered 37 operational sites of AESL Strengthening alignment with UNSDG 12 	No certification in FY19-20	Achieved SUP free st March 2023	atus for 37 sites in
- India Business Biodiversity Initiative (IBBI) and ensure no net loss to biodiversity	 Signatory to IBBI and submitted first progress report in 2020 Afforestation of 441 hectares area in FY21-22 	FY20-21 289 hectares	No net loss to biodive alignment with IBBI a based public disclosu	nd IBBI principles
- Water Neutrality (Water conservation)	 Achieved "Net Water Positive" status for 30 substations and 07 TL clusters under UNSDG 6 Carried-out rainwater harvesting feasibility study and implemented water metering across all sites 	No water neutrality in FY 19-20	Secured Net Water Positive Certification for all O&M sites in November 2022	
Energy Efficiency and Management				
- Reduction in auxiliary consumption through solar power	3.362 MWp solar capacity at Mahendragarh, Akola, Koradi, Sami, Morena, Rajnandgaon	Solar capacity of 1.7 MWp in FY19-20	Coverage across all tr Sites	ansmission

AESL: Key Social Indicators and Milestones



Material Categories	Material Themes	Key Performance Indicators	Baseline	Target (FY23-24)
		Rate of fatalities per million hours worked	Zero (FY 20-21)	Zero
Health & Safety	Work related injury	Rate of recordable work-related injuries per million man-hours worked	0.33 (FY 20-21)	Zero
	Safety awareness and training	Average hours of training provided per person on health and safety	15.6 (FY 20-21)	Further improve from baseline
Diversity and Inclusion	Measurement of Diversity and Inclusion Metrics and Enforcement of policies	Women as a percentage of new hires and total workforce (%)	New Hire: 5 % Total Workforce: 5%	New Hire: 10% Total Workforce: 6%
Human Rights	Training on human rights	Employees trained in human rights policies or procedures (%)	-	100%
Skills for the future	Skill development trainings	Training and development expenditure for employees (INR)	Rs 3.81 Cr (FY 20-21)	Rs 4.69 Cr
Responsible	Proportion of spending on local suppliers (%)	Spend on local suppliers against the total procurement budget (%)	99.4 % (FY 20-21)	Maintain FY21 Performance
Procurement	Supplier screening on ESG metrics	Suppliers screened on ESG criteria (%)	100% (Critical Suppliers)	100% (Critical Suppliers)

AESL: Key Governance Indicators and Milestones



Material Categories	Material Themes	Key Performance Indicators	Baseline	Actions Taken and Goals
Board Gender Diversity	Board Gender Diversity	Balance the board composition in terms of men and women directors	16.6% - women directors in board as of FY21	 % of women directors in board improved to 28.5%
Board Independence	Great Board Independence and Improved Disclosures	 Improve board strength and independence Incorporate non-statutory committees Enhance disclosures in board & committee meetings 	 6 directors as of FY21 Only statutory committees as of FY21 	 Board now comprises of total 7 directors with 4 independent directors Enhanced disclosures through formation of new committees with min. 50% IDs (CRC, RMC, PCC, IT & Data Security) Committees chaired by Independent Directors (Audit, NRC, STC)
Code of Conduct	Corruption and Bribery Cases	 Number of Corruption cases and Bribery and Associated Risks Adoption of Anti Corruption and Bribery Policy % of Governance body members and employees trained on anti-corruption 	• Zero corruption cases	 Zero Case on Corruption and Bribery Board Adopted Anti Corruption and Bribery Policy Identification and Assessment of risks
Anti-competitive Practices	Fines and Settlements	 Fines or settlements paid related to anti- competitive business practices (INR) 	Zero as of FY21	Zero in FY23 and beyond
Customer orientation and satisfaction	Consumer Satisfaction	Affordable tariffsService reliabilitySustainable power	Distribution loss reduction, CSAT surveys, Reliability metrics	 Competitive tariff through RE power Option to switch to Green power tariff Advanced metering implementation for 12 million consumers
Corporate Governance Standing	ESG Ratings	Improvement in ratings through improved disclosures and adoption of best practices	CSA: 59/100; FTSE: 3.3/5	Target 2023-24: CSA – 67/100 and FTSE: 3.6/5

Notes:

A) List of non-statutory committees – CRC: Corporate Social Responsibility & Sustainability Committee; PRC: Public Consumer Committee; Information Technology & Data Security Committee; RMC: Risk Management Committee; B) List of statutory committees: SRC: Stakeholders' Relationship Committee NRC: Nomination and Remuneration Committee; STC: Securities and Transfer Committee; Audit Committee;

C) Sub-committees under Risk Management Committee: Mergers & Acquisitions Committee; Legal, Regulatory & Tax Committee; Reputation Risk Committee

AESL: Enhanced Safety Culture



Safety Initiatives During Q1FY24

- Safety training: 47,130 man-hours of safety training and awareness during Q1 FY24
- Positive Safety Culture:
 - Enhanced safety awareness through Monthly Safety Quiz Series (MSQS)
 - o Conducted 'Electrical Safety at Home' & "Electrical, Fire Safety & Cracker Safety' Webinar for Consumers, Employees & General Public
 - Campaign on 'UCHAAI: Knowing Heights Better' conducted at multiple sites on 5C model (Climb, Control, Competence, Capacity and Check)
- Safety Checks and Assurances(SCA): To strengthen safety and increase the effectiveness of safety management at sites, quarterly safety checks and assurance on 3 pre-declared topics are given by sites
- "Saksham" Mandatory Contractor Workmen Incubation & Induction Program was conducted at various sites to enhance training effectiveness
- Awarded with 21st Annual Greentech Safety Award 2023 in safety excellence category
- Received OHSSAI Foundation's Safety Award in Gold Category in AEML business
- Observance of Fire Service Week across all locations.

Safety Performance in Q1FY24

	Transmission		Distribution (AE/	
Safety Parameters	Q1FY24	Q1FY23	Q1FY24	Q1FY23
Near Miss Reporting (Awareness)	1,370	1,391	1,472	1,364
Suraksha Samwad (Safety Dialogue)	1,902	2,925	7,306	8,546
LTI	1	0	1	5
Fatalities	0	0	0	1
LTIFR (LTI Frequency Rate)	0.32	0	0.2	0.94
LTI (LTI Severity Rate)	6.38	0	10.83	1148.67
Safety training (in Man-Hours)	34,178	39,192	12,952	7,718

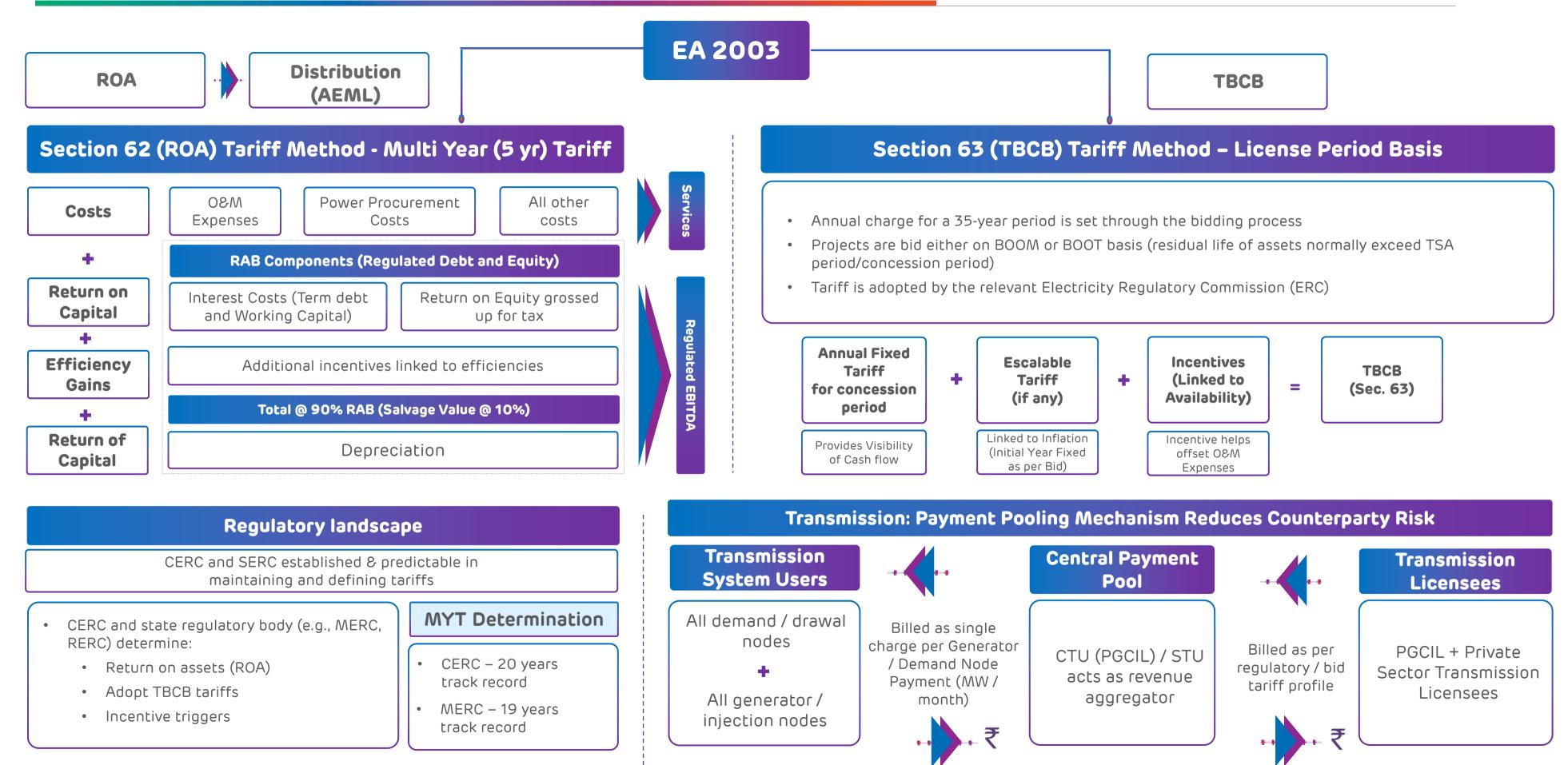






Attractive Industry Opportunity supported by an Evolved and Stable Regulatory Regime





Case Study: Transformational Capital Management Plan Resulting in Value Unlocking at AEML (India's No. 1 Power Utility)



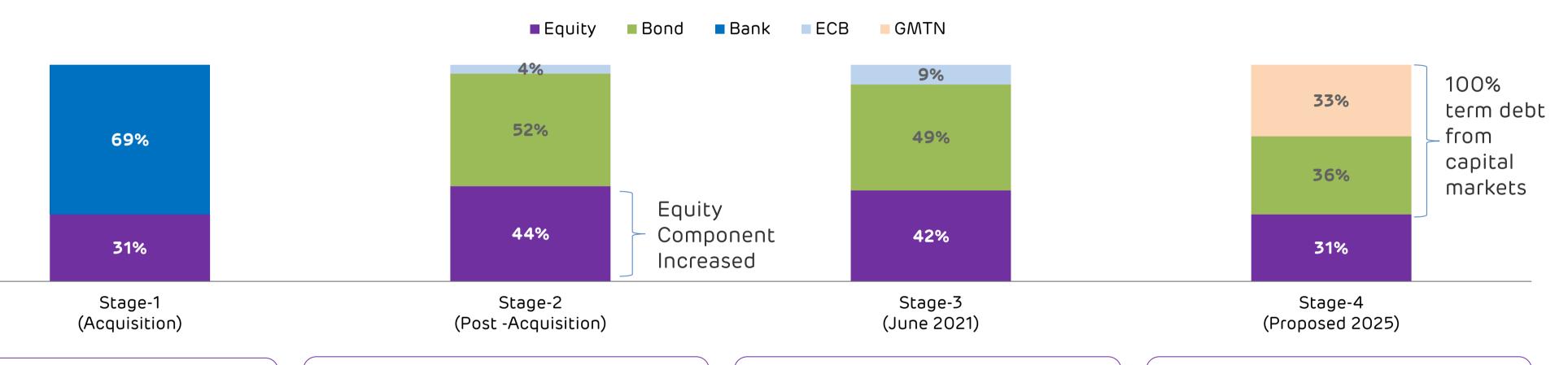
Capital structure consistent with underlying business philosophy

Elongated maturity reflecting perpetual nature of business

High quality stable cashflow profile to ensure IG metrics - reduced cost of debt

Diversified and deep investor base, to provide stability

Fully funded long term capex program



Stage - 1 (Acquisition): Aug-18

- On acquisition, introduced efficient capital structuring debt financing of USD 1.1 bn
- Debt from Domestic Banks
- Fresh capex debt (D/E 70:30)
 at competitive pricing

Stage - 2 (Post Acquisition): Feb-20

- QIA's acquisition of 25.1% stake
- Debt reduction through shareholder sub-debt of US\$ 282
- Refinancing through US\$ 1 bn IG non amortizing bond
- US\$ 400 mn ECB Capex revolver facility to **fully fund** Capex program

Stage - 3 (Recent): Jun-21

- Revolving ECB Capex facility used for RAB growth
- Asset hardening improved operational efficiency promoting affordable tariff
- Successfully placed US\$ 2bn
 GMTN program to replace ECB in July 2021

Stage - 4 (Proposed): Mar-25

- 100% of term debt placed in international capital markets,
- Diversified global investor base to provide stability
- Elongated maturity → liquidity
- Prudent Capital Management plan to enhance credit quality

AESL and AEML Credit Ratings



International - ATSOL Obligor Group (Transmission business) (Reg S/ 144A)

Rating Agency	Facility	Rating/Outlook
Fitch	Dollar Bond	BBB-/Stable
Moody's	Dollar Bond	Baa3/Negative

International – AESL USPP (Transmission business) (Reg D)

Rating Agency	Facility	Rating/Outlook
Fitch	Dollar Bond	BBB-/Stable
Moody's	Dollar Bond	Baa3/Stable

International – AEML US\$ 1 bn (Reg S/144A) and US\$ 300 mn GMTN (Distribution business)

Rating Agency	Facility	Rating/Outlook
Fitch	Dollar Bond (for both)	BBB-
S&P	Dollar Bond (US\$ 1 bn)	BBB-/Negative
Moody's	Dollar Bond (for both)	Baa3/Negative

SPV Ratings - Domestic

Company	Rating Agency	Rating	Outlook
AESL	India Ratings	AA+	Negative
AESL	ICRA	A1+	Stable
MEGPTCL	India Ratings	AA+	Negative
ATIL	India Ratings	AA+	Negative
WTGL	India Ratings	AAA	Stable
WTPL	India Ratings	AA+	Stable
MTSCL	India Ratings	AA-	Stable
ATSCL	CARE	Α	Stable
ATBSPL	India Ratings	AA-	Positive
FBTL	CARE	A+	Stable
OBTL	CARE	А	Stable
AEML	India Ratings / Crisil	AA+	Stable
JKTL	India Ratings	A-	Stable
WKTL	India Ratings	A-	Stable
Alipurduar	India Ratings / Crisil	AAA	Stable

Smart Metering - Key Benefits



Technology transformation

Key technology towards the **transformation of power sector** in India

Real time information

Measures electricity consumption & communicates the consumption reading to the power utilities

Two-way communication

Between the meter and the power utility through cellular communication or radio frequency

Key Benefits



Improved Cash Flows

- Upfront collection of dues and "Pay-as-peruse model" to eradicate arrears
- Reducing working capital requirements



Customer Satisfaction

- Enhancing consumer participation
- Consumer profile, consumption pattern on real time basis.
- Increases accuracy of meter reading



Reduction in Operational costs

- Reduced meter reading charges, bill printing, manpower cost
- Field situation awareness to reduce theft and average / estimated billing



ESG & RE Integration

- Data analytics helps load disaggregation, forecasting & consumption
- Time of Day (TOD) tariff matched with RE generation
- Efficient & sustainable energy management
- Helps people revise their consumption habits



Improved Supply Quality

- Automatic monitoring of SAIFI, SAIDI
- Quicker response time to fault removal / consumer complaints
- Control over consumption
- Accurate estimates for network upgradation
- Real-time assessment of system performance

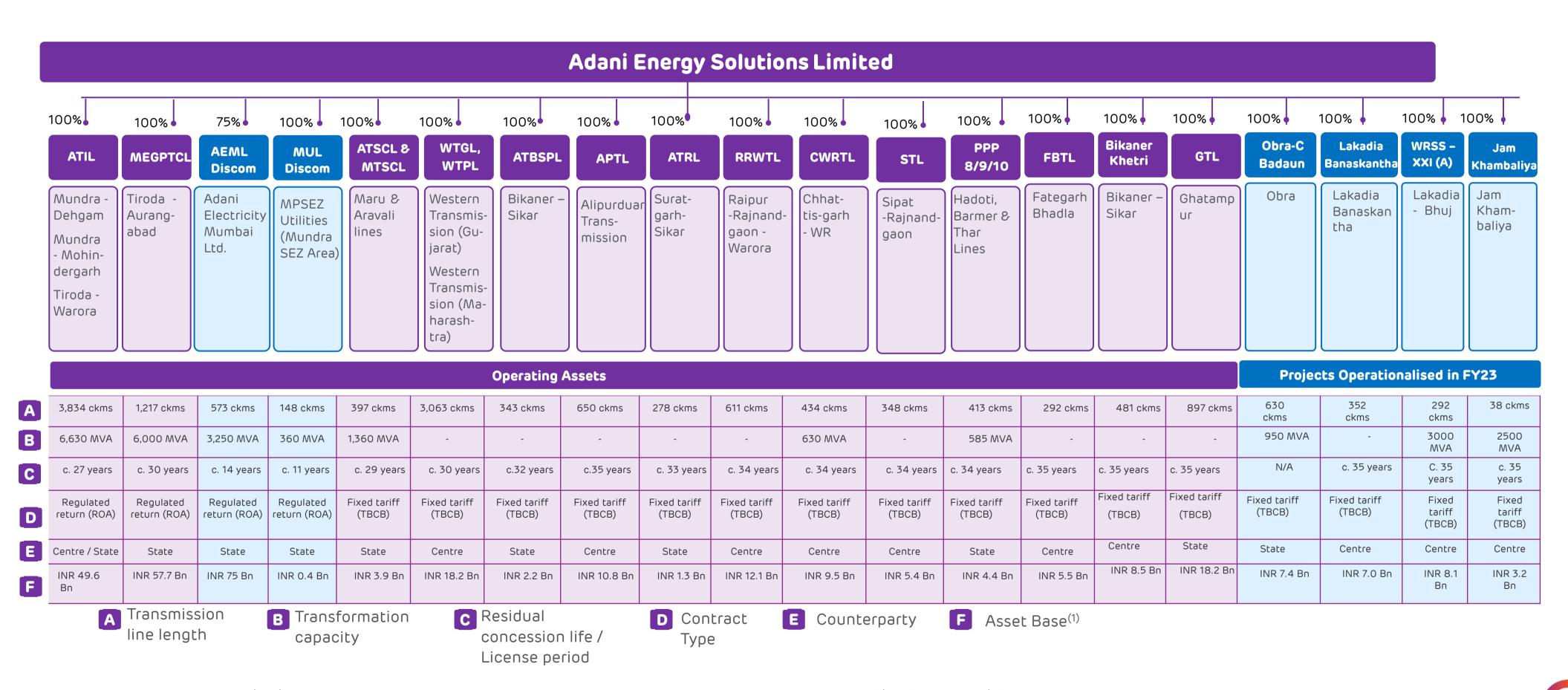


Improved Energy Accounting

- Enables mapping of consumer demand, feeder wise loading
- Identification of pilferage / high-loss pockets

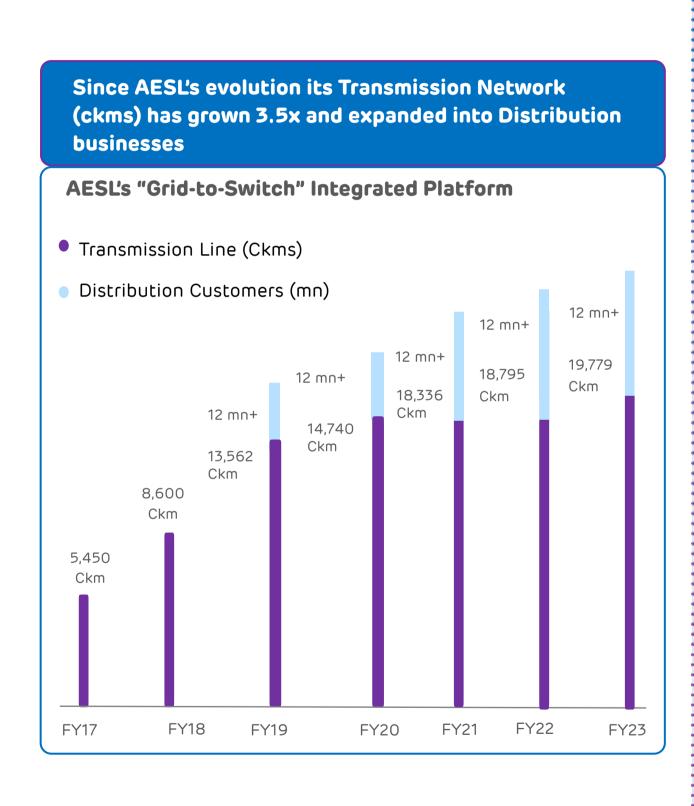
AESL's Operational Asset Portfolio (T&D) as of August 2023

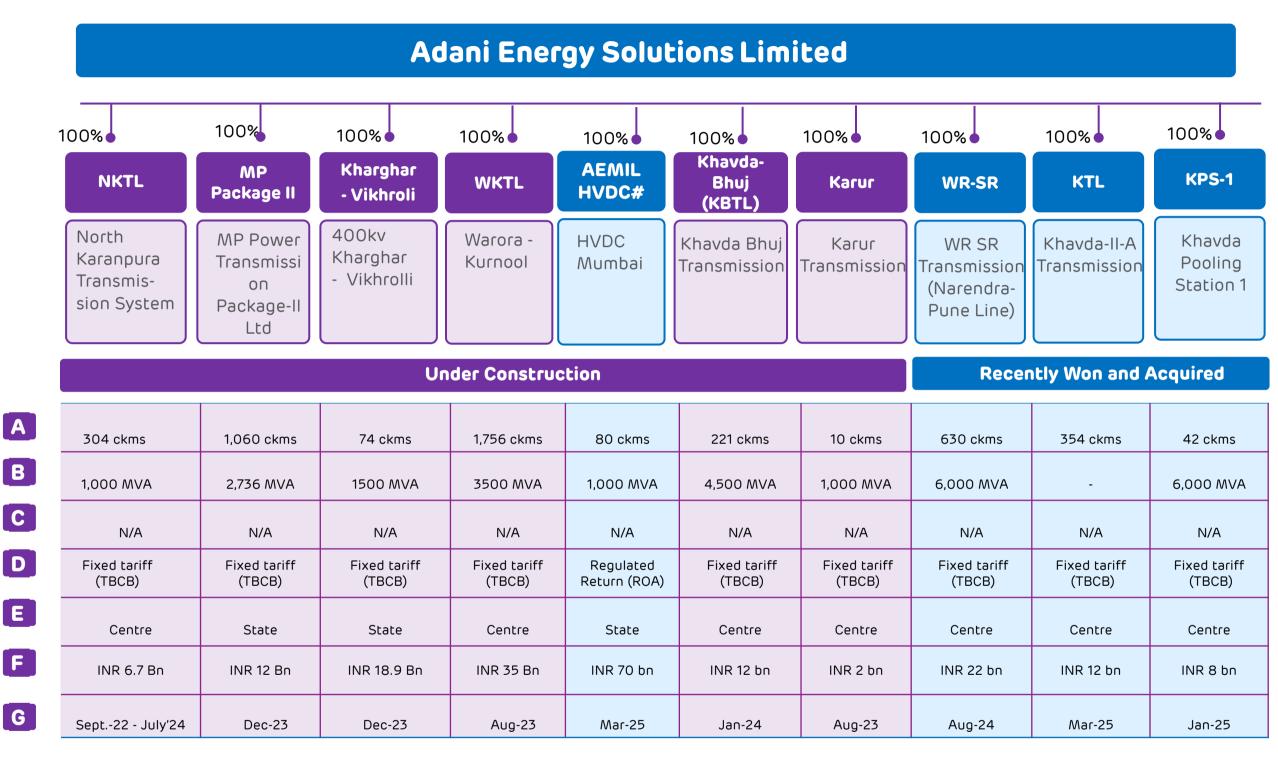




AESL's Under-construction Transmission Asset Portfolio as of August 2023







- line length
- Transmission B Transformation capacity
 - C Residual concession life / License period
- **D** Contract type
- E Counterparty



 $COD^{(2)}$

base⁽¹⁾

AESL's Smart Metering Under-construction Portfolio as of August 2023





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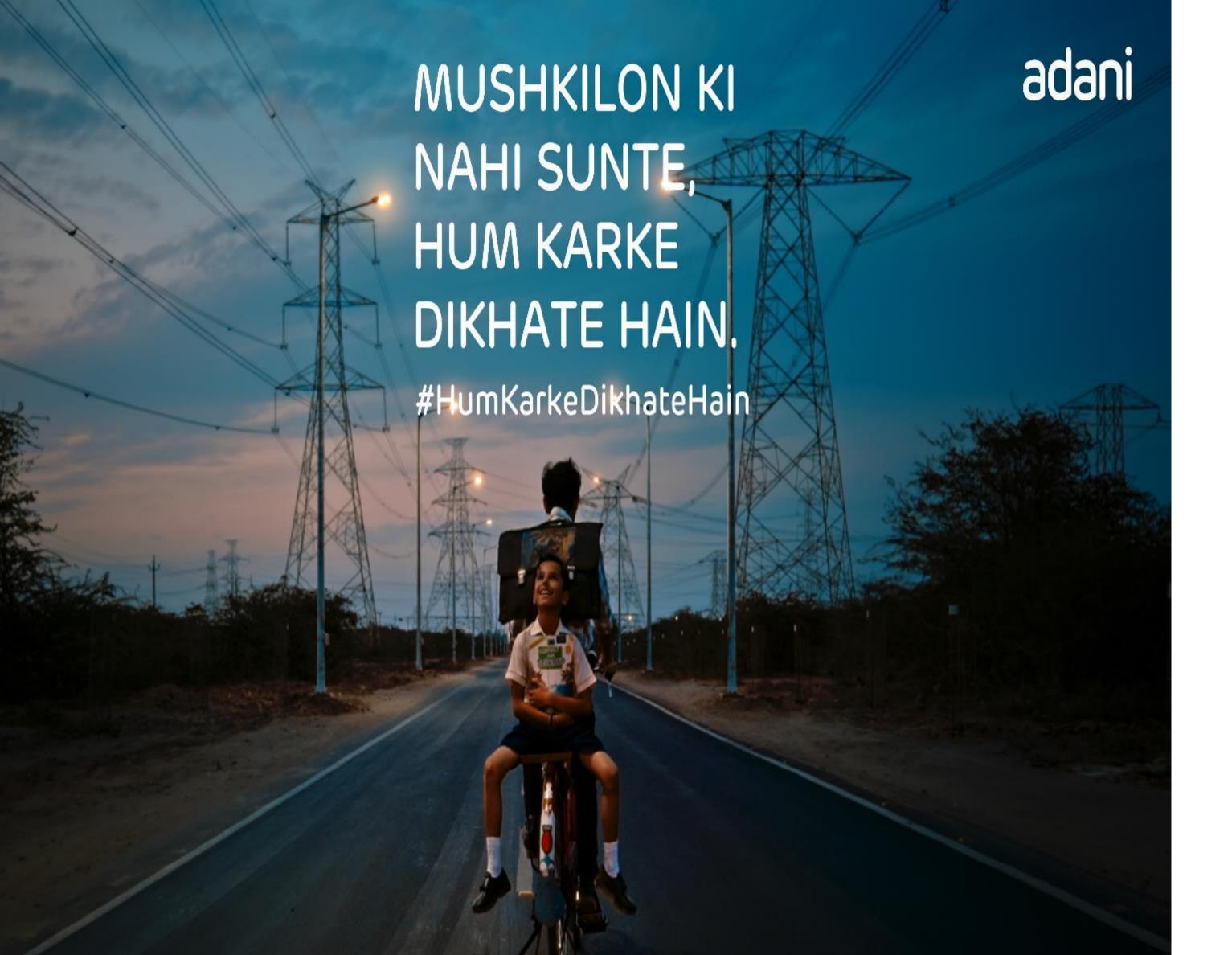
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Thank You