



adani
Energy Solutions

Adani Energy Solutions Limited
(Formerly known as Adani Transmission Limited)

Investor Presentation

March 2024

CONTENTS



04-07

Adani Portfolio

09-10

About AESL

12-16

Transmission

18-21

Distribution

23-26

Smart Metering

28-30

District Cooling

32-35

ESG Framework

37-38

Investment Case and AESL - Board and Management Team

40-52

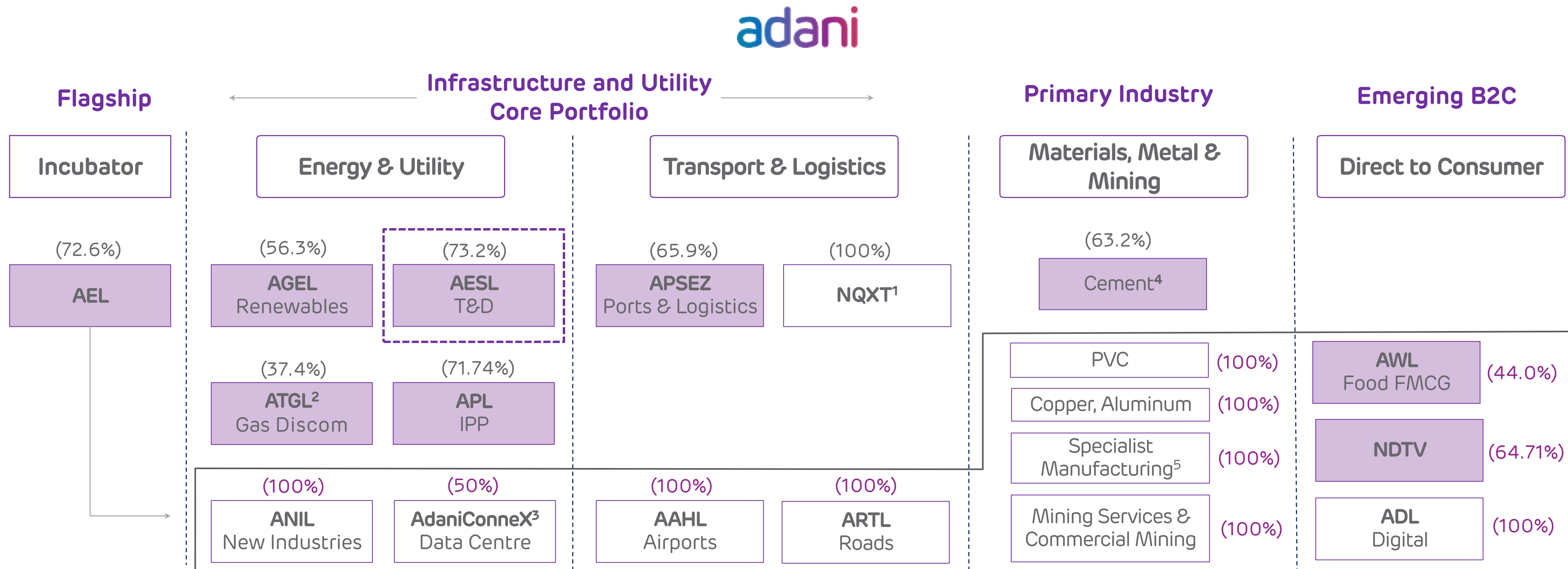
Annexure



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Adani Portfolio

Adani: A World Class Infrastructure & Utility Portfolio



(%): 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

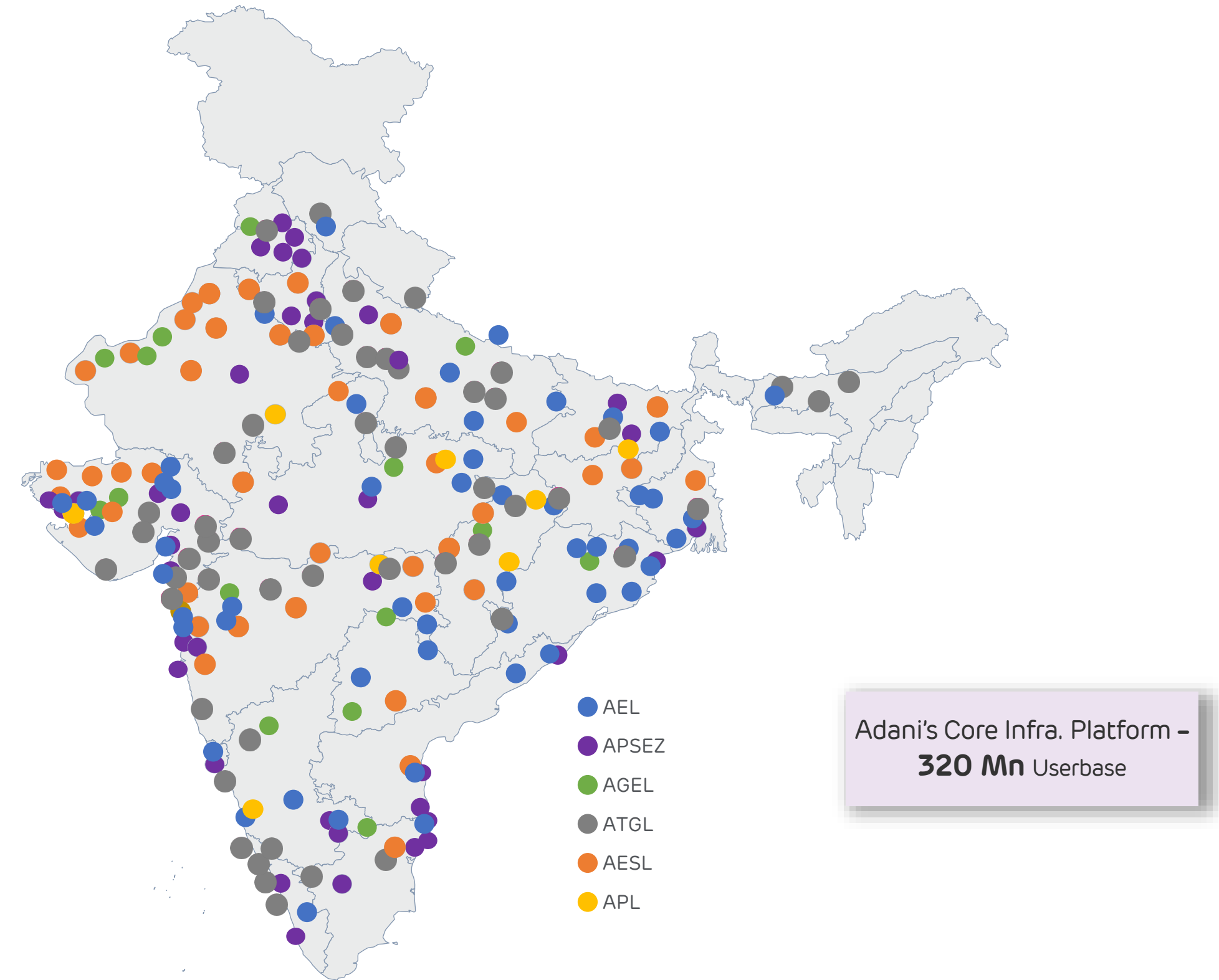
Data as of December 31, 2023. 1. NQXT: North Queensland Export Terminal | 2. ATGL: Adani Total Gas Ltd, JV with Total Energies | 3. Data center, JV with EdgeConnex | 4) Cement business includes 63.2% stake in Ambuja Cement which in turn owns 50.05% in ACC Limited. Adani directly owns 6.65% stake in ACC Limited. Ambuja has completed the acquisition of Sanghi Industries and holds 54.5% stake in Sanghi Industries as on 31st Dec'23. | 5. Includes the manufacturing of Defense and Aerospace Equipment; **AEL**: Adani Enterprise 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; **AWL**: Adani Wilmar Limited; **ADL**: Adani Digital Limited | Note - Purple color represent public traded listed verticals;

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

Secular growth with world leading efficiency

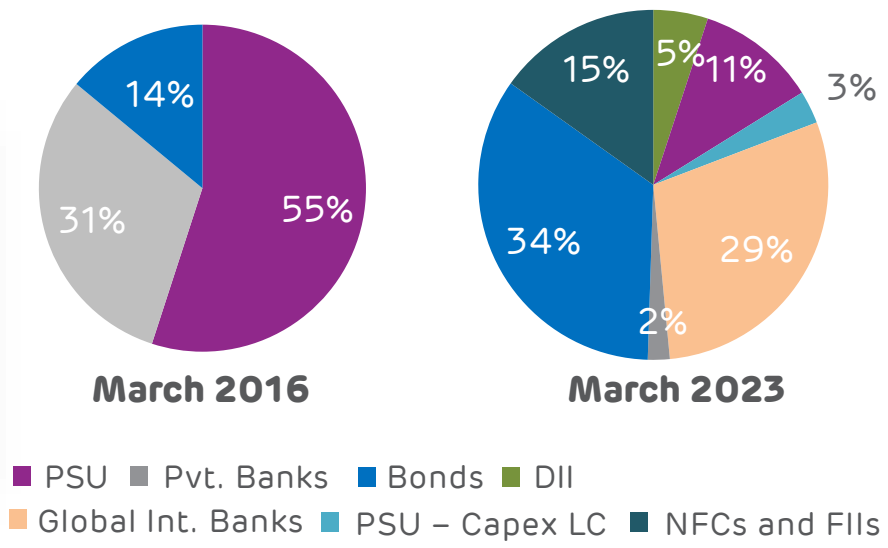
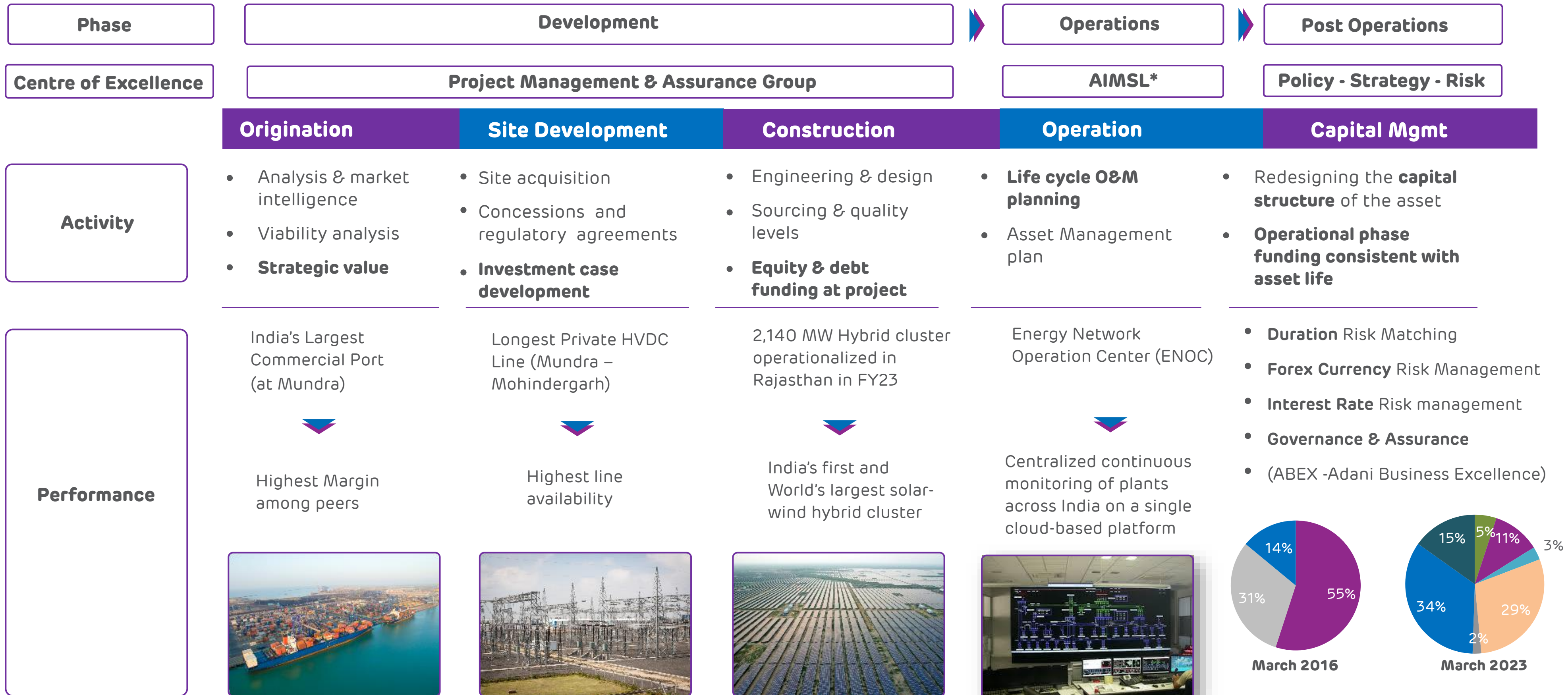


National footprint with deep coverage



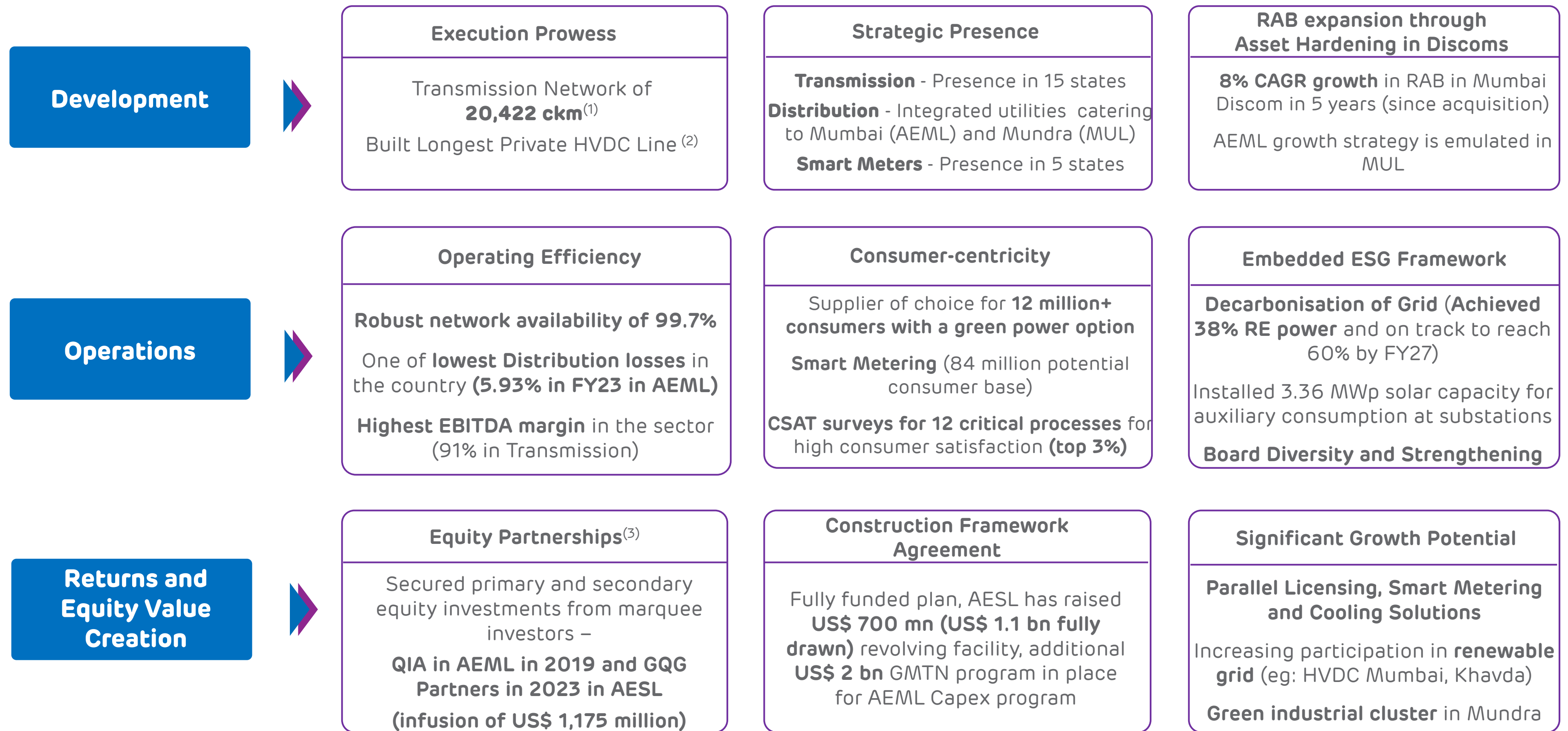
Note: 1. Data for FY23; 2. Margin for Indian ports business only, Excludes forex gains/losses; 3. EBITDA = PBT + Depreciation + Net Finance Costs – Other Income; 4. EBITDA Margin represents EBITDA earned from power supply 5. Operating EBITDA margin of transmission business only, does not include distribution business, PBT- Profit before tax, ATGL-Adani Total Gas Limited, AEL: Adani Enterprises Limited, APSEZ: Adani Ports and Special Economic Zone Limited, AESL: Adani Energy Solutions Limited, APL: Adani Power Limited, AGEL: Adani Green Energy Limited | Growth represents the comparison with respective industry segment. 6. Growth pertains to expansion and development aligned with market growth. Growth of respective Adani portfolio company vs. Industry growth is as follows: APSEZ's cargo volume surged from 113 MMT to 339 MMT (13%) between 2014 and 2023, outpacing the industry's growth from 972 MMT to 1433 MMT (4%). AGEL's operational capacity expanded from 0.3 GW to 8.1 GW (60%) between 2016 and 2023, surpassing the industry's growth from 46 GW to 125 GW (15%). AESL's transmission length increased from 6,950 ckm to 19,779 ckm (16%) between 2016 and 2023, surpassing the industry's growth from 3,41,551 ckm to 4,71,341 ckm (5%). ATGL expanded its geographical areas from 6 to 52 (31%) between 2015 and 2023, outperforming the industry's growth from 62 to 293 (21%).

Adani: Repeatable, robust & proven transformative model of investment



Notes: 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 Mgt 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 | *Adani Environmental Resource Management Services Ltd. (additional company is being proposed)

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



Note: 1) Transmission network is as of December 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), GQG Investment of Rs. 6,014 Cr (US\$ 723 million) for 6.81% stake based on closing price of Rs 1,045.75 dated December 29, 2023

QIA: Qatar Investment Authority, IHC: International Holding Company; TOD Tariff: Time of Day Tariff; AMI: Advanced Metering Infrastructure, MUL: MPSEZ Utilities Limited EBITDA: Earning before interest tax, depreciation & amortization; O&M: Operation and Maintenance, MWp: Megawatt Peak, SS: Sub-station, Ckm: Circuit Kilometer, ESG: Environmental, Social and Governance, ROE :Return on Equity, GMTN: Global Medium Term Note, AEML: Adani Electricity Mumbai Limited; CAGR: Compounded Annual Growth Rate; RE: Renewable Energy; CSAT: Consumer Satisfaction

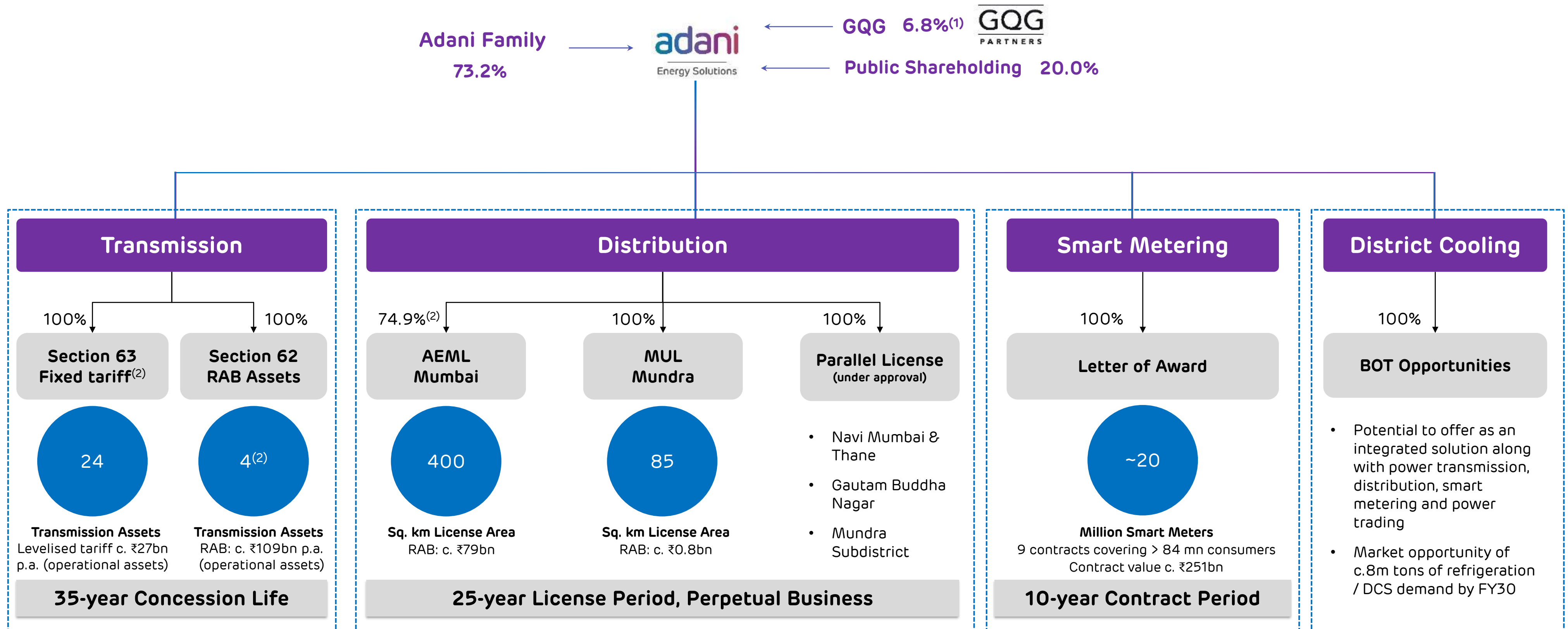


Adani Energy Solutions Ltd.
(formerly known as Adani Transmission Ltd.)



About AESL

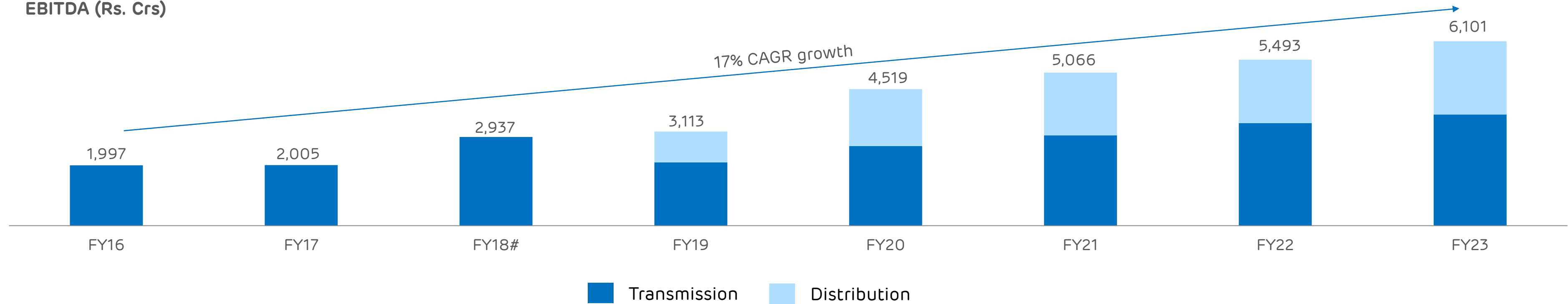
AESL: Holding Structure and Portfolio Overview



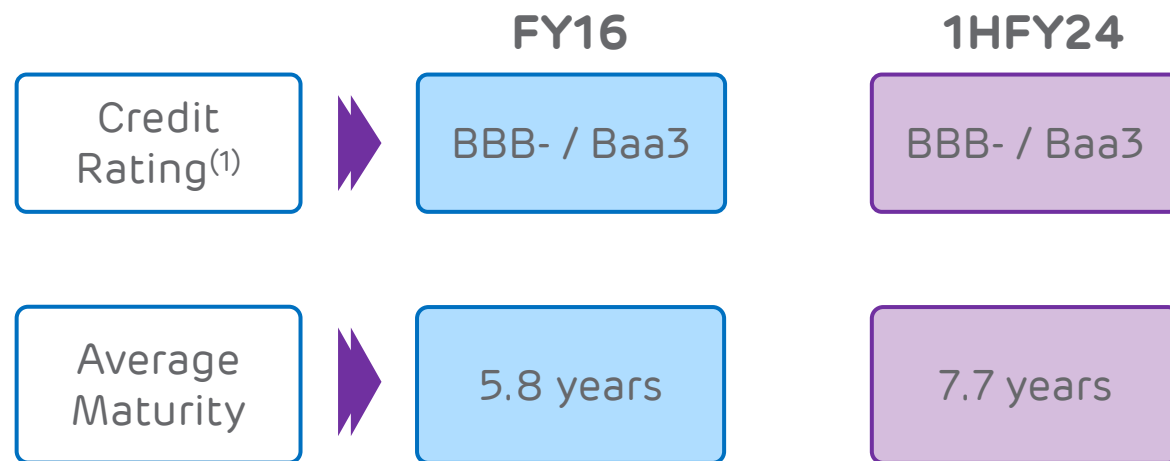
Notes: 1) GQG Investment of Rs. 6,014 Cr (US\$ 723 million) for 6.81% stake based on closing price of Rs 1,045.75 dated December 29, 2023; 2) Primary Equity - QIA's Investment in AEML: US\$ 452 mn (Rs 32 bn) total investment (US\$ 170 mn of Equity and US\$ 282 mn of shareholder sub-debt) for 25.1% stake in AEML;; 3) Tariff based competitive bidding (TBCB); 4) Smart Meter Project details: (i) Brihanmumbai Electric Supply & Transport Undertaking (BEST) - 10.8 lakh smart meters (Rs 13 bn) (ii) Assam Power Distribution Company Limited (APDCL) - 7.7 Lakh smart meters (Rs. 8.5 bn) (iii) 3 Andhra Discoms - 31.03 Lakh smart meters (Rs 41 bn) (iv) 2 MSEDCL projects - 115.9 Lakh smart meters (Rs 139 bn), (v) NBPDC - Bihar - 28 lakh smart meters (Rs 31 bn); RAB: Regulatory Asset Base; AEML: Adani Electricity Mumbai Limited; MUL: MPSEZ Utility Limited; AMI: Advanced Metering Infrastructure; HVDC : High voltage direct current, LOA: Letter of Award, LOI: Letter of Intent; Ckm: Circuit Kilometer, SEZ: Special Economic Zone, Sq.Km: Square Kilometer; BOT: Build Own Transfer; BOOM: Build Own Operate Manage

Transformational Journey with Robust Growth and Credit Discipline

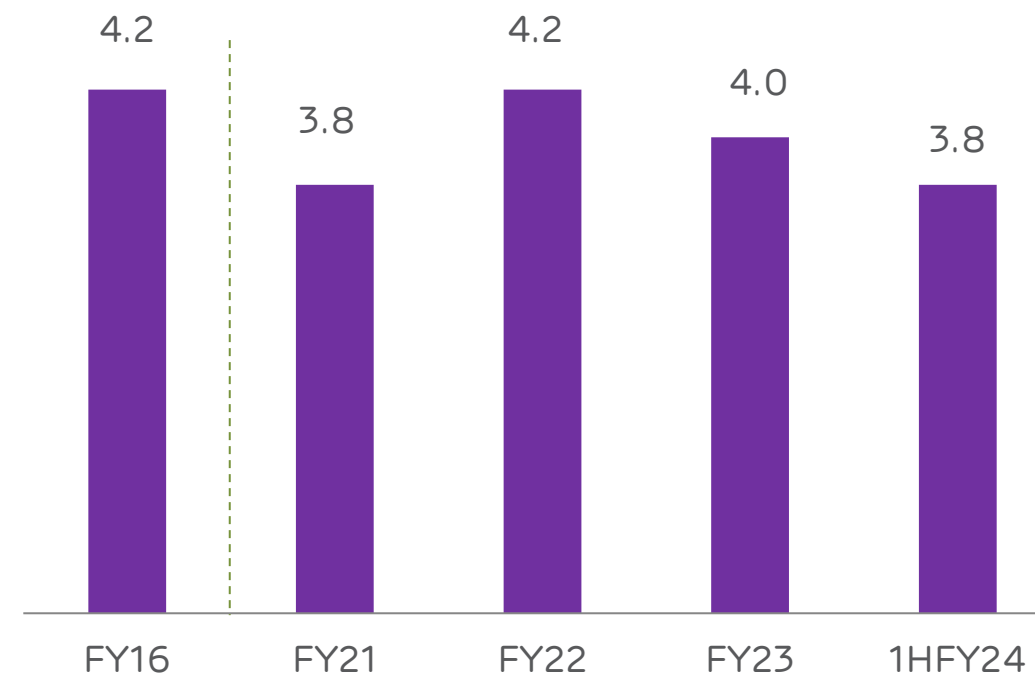
EBITDA (Rs. Crs)



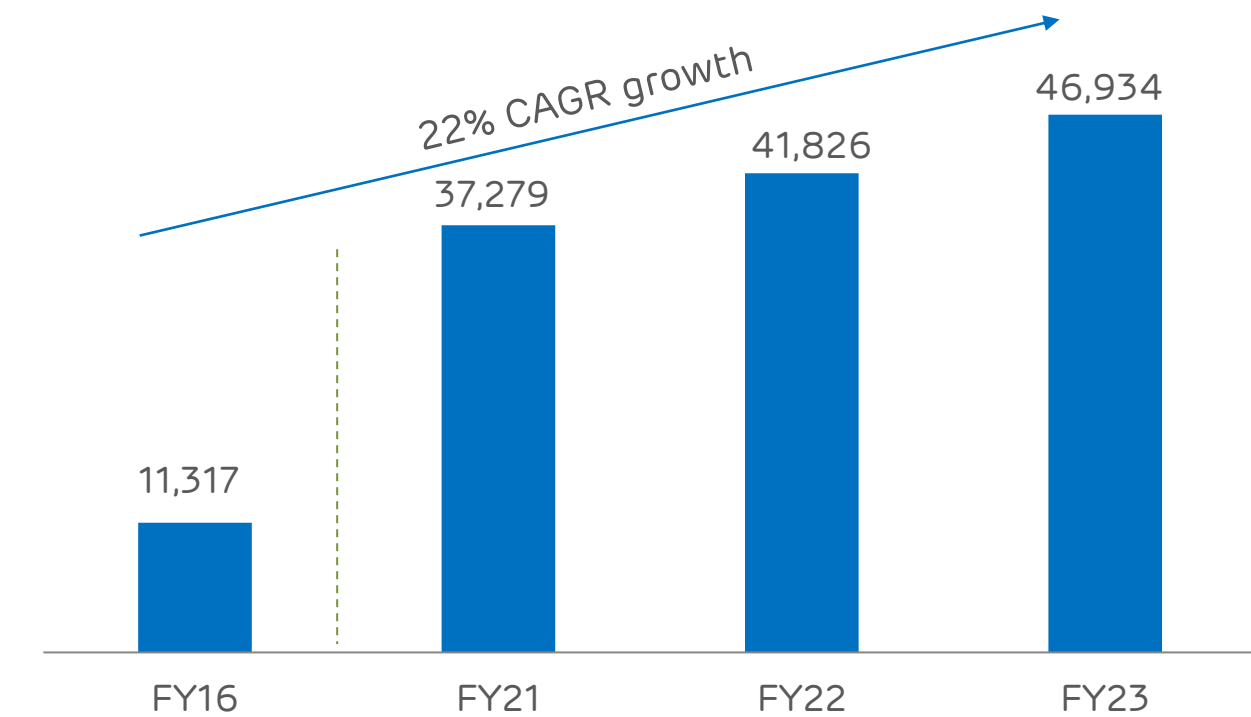
AESL is Investment grade rated since FY16



Net Debt to EBITDA⁽²⁾ (x)



Gross Fixed Assets⁽³⁾ (Rs Crs)

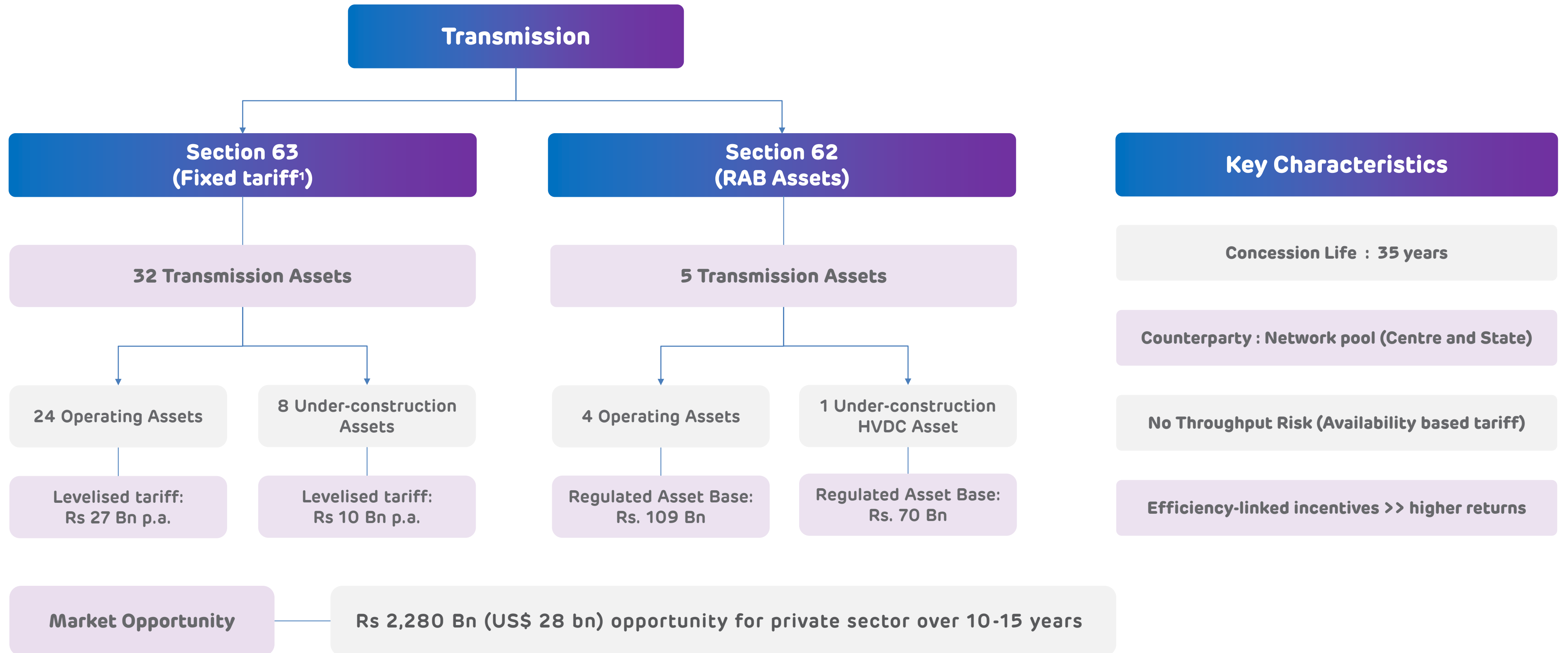


Notes: (1) Credit Rating: Fitch / Moody's ratings (2) Net-debt to EBITDA ratio calculation considered only long-term debt at hedge rate and excluded sub debt; (3) Gross Fixed Assets: Fixed Assets includes Property, Plant & Equipment, Right of Use Assets, Capital Work in Progress, Goodwill & Other Intangible Assets; EBITDA : Earning before interest tax and depreciation, CAGR: Compounded Annual Growth Rate; #Includes one-time income of Rs. 873 Crores recognised during the year based on CERC order



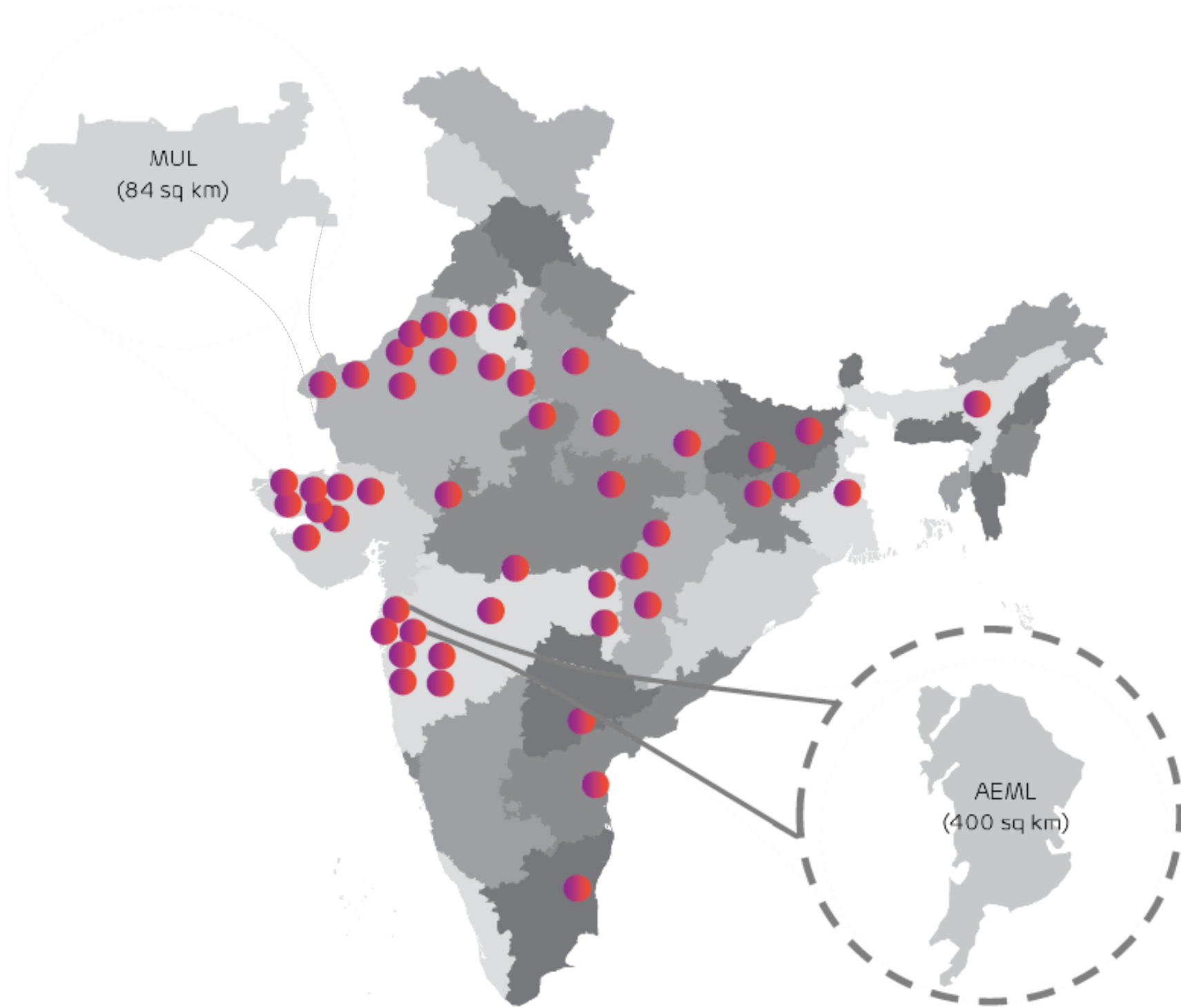
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Transmission



Notes: 1) Tariff based competitive bidding (TBCB); RAB: Regulatory Asset Base, p.a.: per annum; HVDC: High Voltage Direct Current

Asset Portfolio – Presence Across the Country



#Map not to scale

MEGPTCL: Maharashtra Eastern Grid Power Transmission Company Limited; ATIL: Adani Transmission (India) Limited; ATSCS: Aravali Transmission Service Company LTD.; MTSCS: Maru Transmission Service Company LTD.; WTGL: Western Transmission (Gujarat) LTD.; WTPL: Western Transco Power LTD.; AEML: Adani Electricity Mumbai Limited; STL: Sipat Transmission Limited; RRWTL: Raipur Rajnandgaon-Warora Transmission Limited; CWRTL: Chhattisgarh-WR Transmission Limited; ATRL: Adani Transmission (Rajasthan) Limited; HPTSL: Hadoti Power Transmission Limited; BPTSL: Barmer Power Transmission Limited; TPTSL: Thar Power Transmission Limited; ALTL: Alipurduar Transmission Ltd.; GTL: Ghatampur Transmission Limited; FBTL: Fatehgarh Bhadla Transmission Ltd; BKTL: Bikaner Khetri Transmission Limited; ATBPSL: Adani Transmission Bikaner Sikar Private Limited; OBTL: Obra- C Badaun Transmission Limited; WRSS_XXIA: WRSS XXI(A) Transco Limited; LBTL: Lakadia Banaskantha Transco Limited ; JKTL: Jam Khambaliya Transco Limited; MUL: MPSEZ Utility Limited; NKTL: North Karanpura Transco Limited; KVTL: Kharghar Vikroli Transmission Limited; WKTL: Warora Kurnool Transmission Ltd.; AEMIL: Adani Electricity Mumbai Infra Limited; MP II: MP Power Transmission Package II Ltd; KHAVDA: Khavda Transmission Ltd.; KARUR: Karur Transmission Ltd.; *Out of 3,290 ckm, 983 ckm was operationalized in 9MFY24 and WKTL, KVTL, KTL, and KBTL (partial) were commissioned

No	Operational	Ckt Kms
1	MEGPTCL	1,217
2	ATIL (3 lines)	3,834
3	ATSCS	97
4	MTSCS	300
5	WTGL	974
6	WTPL	2,089
7	AEML	572
8	STL	348
9	RRWTL	611
10	CWRTL	434
11	ATRL	278
12	HPTSL	116
13	BPTSL	133
14	TPTSL	164
15	ALTL	650
16	GTL	897
17	FBTL	292
18	BKTL	481
19	ATBPSL	343

20	OBTL	630
21	WRSS_XXIA	295
22	LBTL	351
23	JKTL	37
24	MUL	151
25	WKTL	1756
26	KTL	9
27	KVTL	74
Subtotal (A)		17,133

No	Under construction	Ckt Kms
28	NKTL ⁽¹⁾	304
29	AEMIL (HVDC)	80
30	MP II	1,087
31	Khavda Bhuj (KBTL)	217
32	WRSR	630
33	Khavda II Part A	355
34	KPS - 1	42
35	Sangod Trans	15
36	Khavda Ph-III Part-A	560
37	KPS – 1 (Augmentation)	---
Subtotal (B)*		3,290
Total (A+B)		20,422

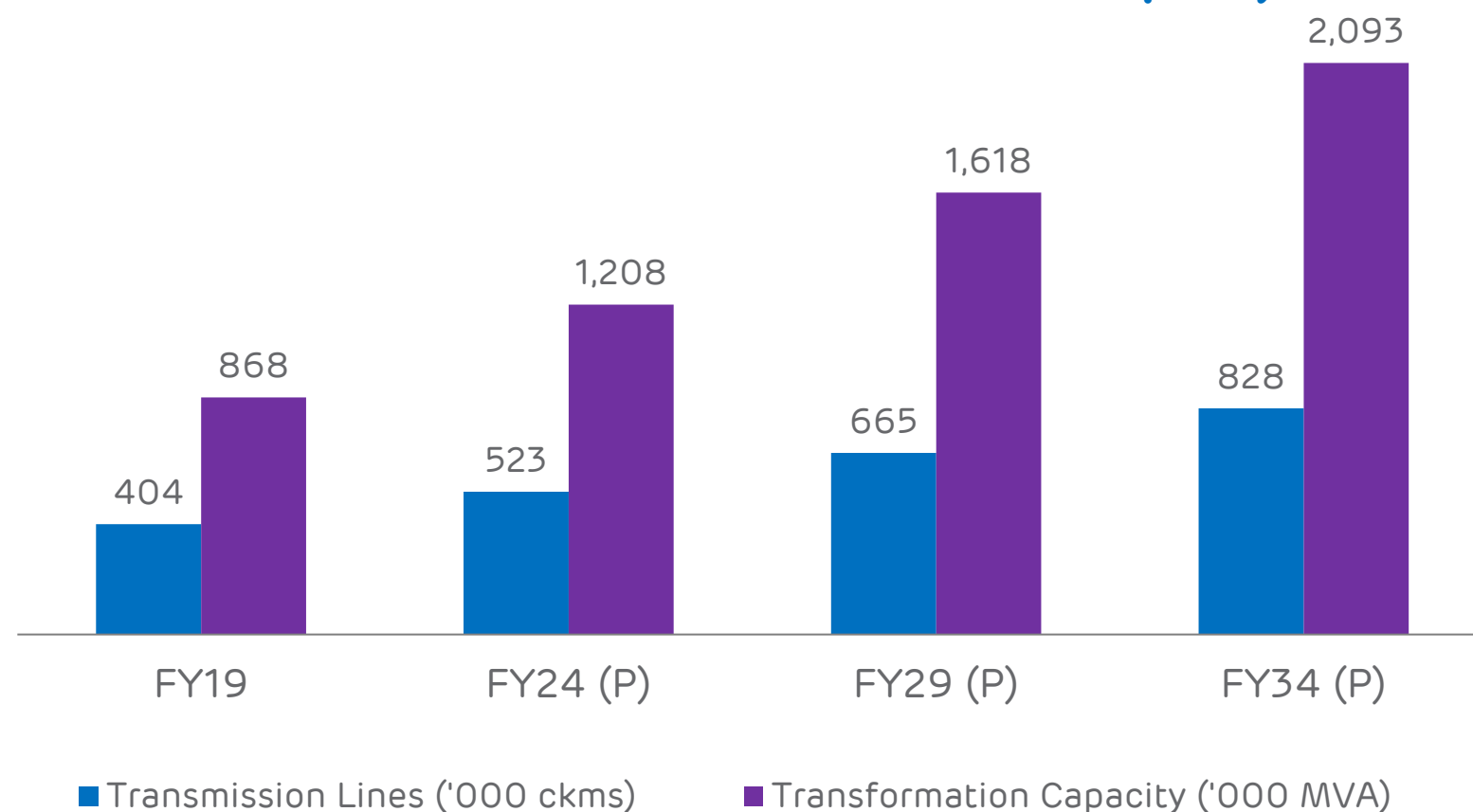
*Out of 3,290 ckm, 983 ckm was operationalized in 9M FY24 and WKTL, KVTL, KTL, and KBTL (partial) were commissioned

Private Participants Opportunity of ~US\$ 28 bn projects over 10-15 years

Attractive Industry Opportunity backed by strong policy support

- Mandatory competitive bidding introduced since 2006 (TBCB) has created a level playing field for private players
- Private sector has won 47 projects out of total 77 transmission TBCB projects awarded since April-15⁽²⁾
- Identified TBCB opportunity in near-term is about Rs. 1,260 Bn / US\$ 15 Bn⁽²⁾ under RFP/RFQ stage
- Schemes like UDAY, 24x7 Power for All, Village Electrification etc. strengthening the value chain

Growth in transmission lines and transformation capacity



RE penetration & General Network Access to boost system strengthening

Renewable Penetration

500 GW Target by 2030

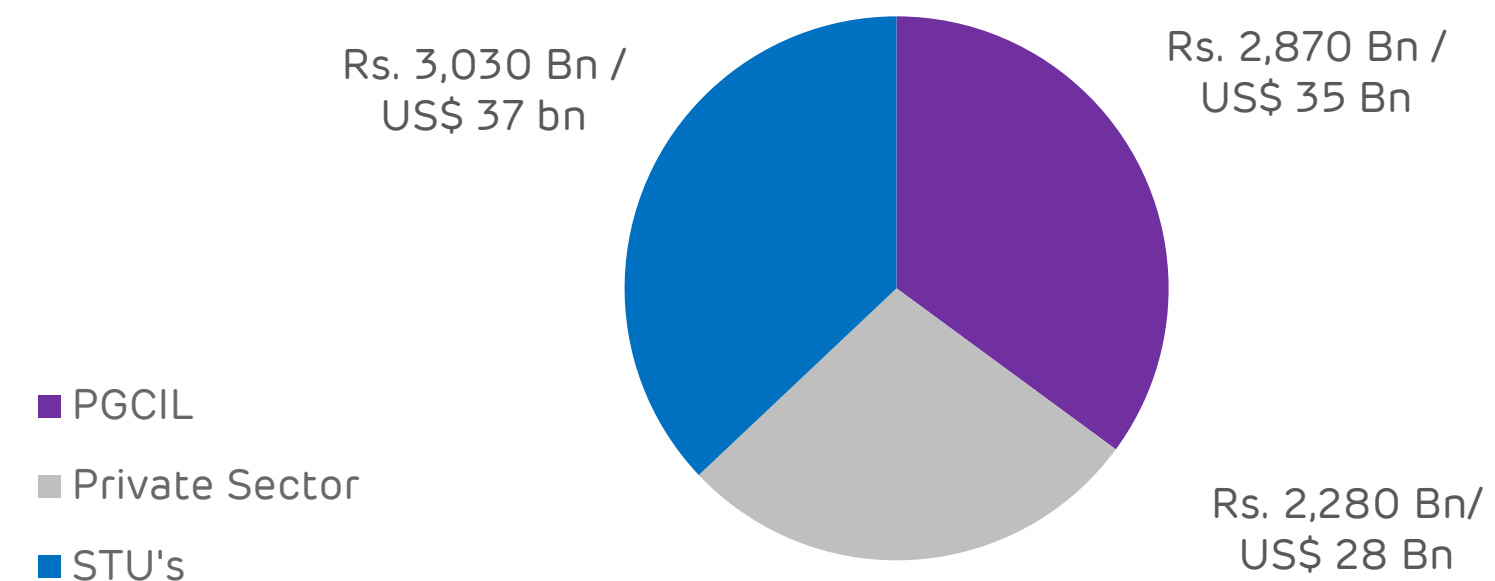
Rs 2.4 Lakh Crs (US\$ 30 billion)
Transmission opportunity by 2030
(as per CEA's report dated December 2022)

General network access (GNA)

GNA Regulations for access to inter-state transmission systems since 2017

Flexibility to Discoms to procure higher component of power under short term and medium-term tenders from generators across the country

Overall investment of Rs. 8,180 Bn / US\$ 100 bn over 10-15 years



Private Participants Opportunity of Rs. 2,280 Bn / US\$ 28 bn

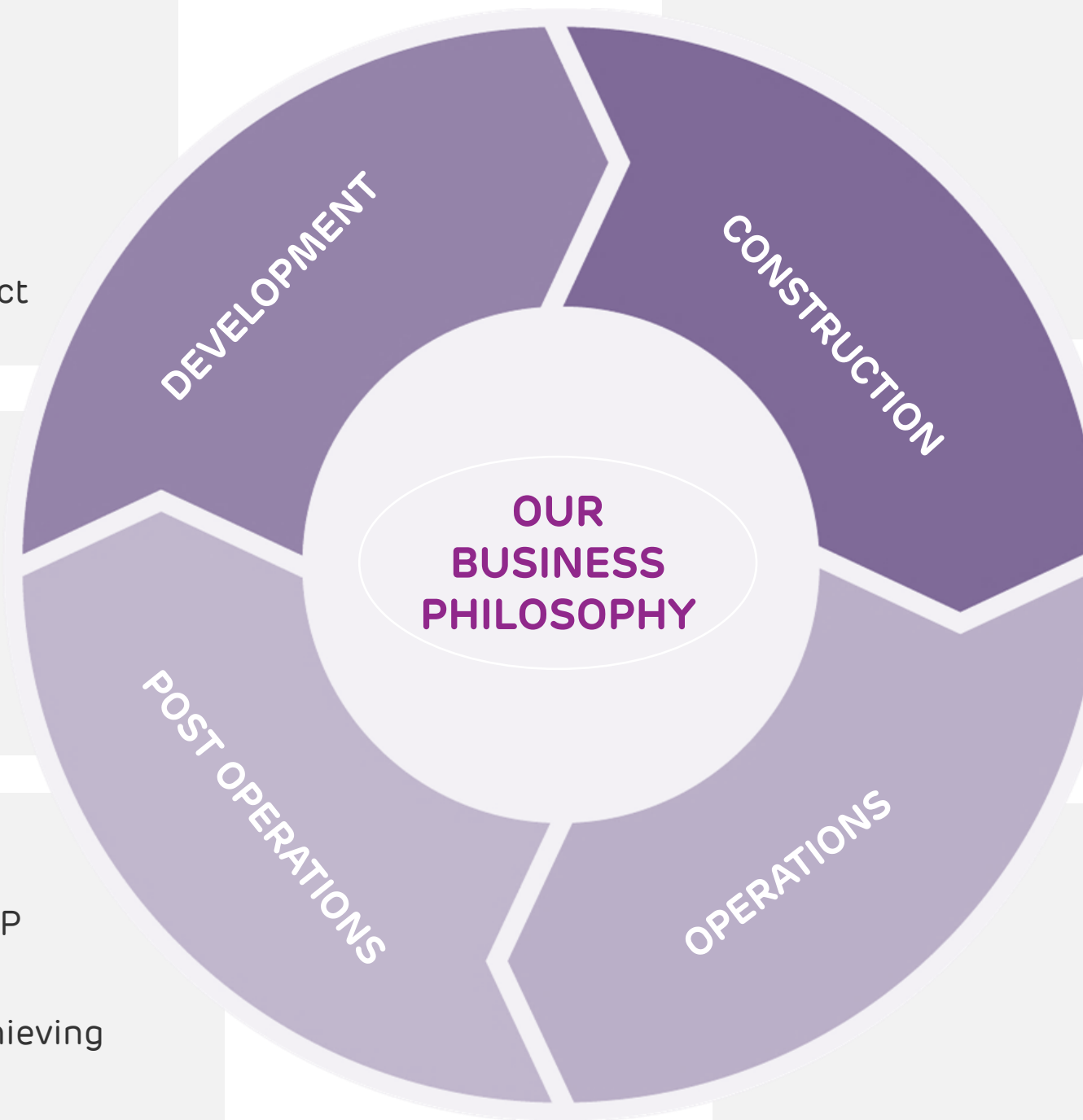
Source: i) Opportunity size as per internal study conducted by Deloitte in Jan 2019, ii) CEA (Central Electricity Authority)

Notes: 1) FX rate as on September 2023, of US\$/INR – 83; 2) Data as of October 2023

TBCB: Tariff base competitive bidding, RFP/RFQ : Request for Proposal/ Request for Quotation, Ckms: Circuit Kilometers, MVA: Mega Volt Ampere, RE: Renewable Energy, GW: Giga Watt , PGCIL: Power Grid Corporation of India Ltd; UDAY: Ujwal DISCOM Assurance Yojana

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

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



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	Project Development	Project Execution	Project Close Out
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> 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



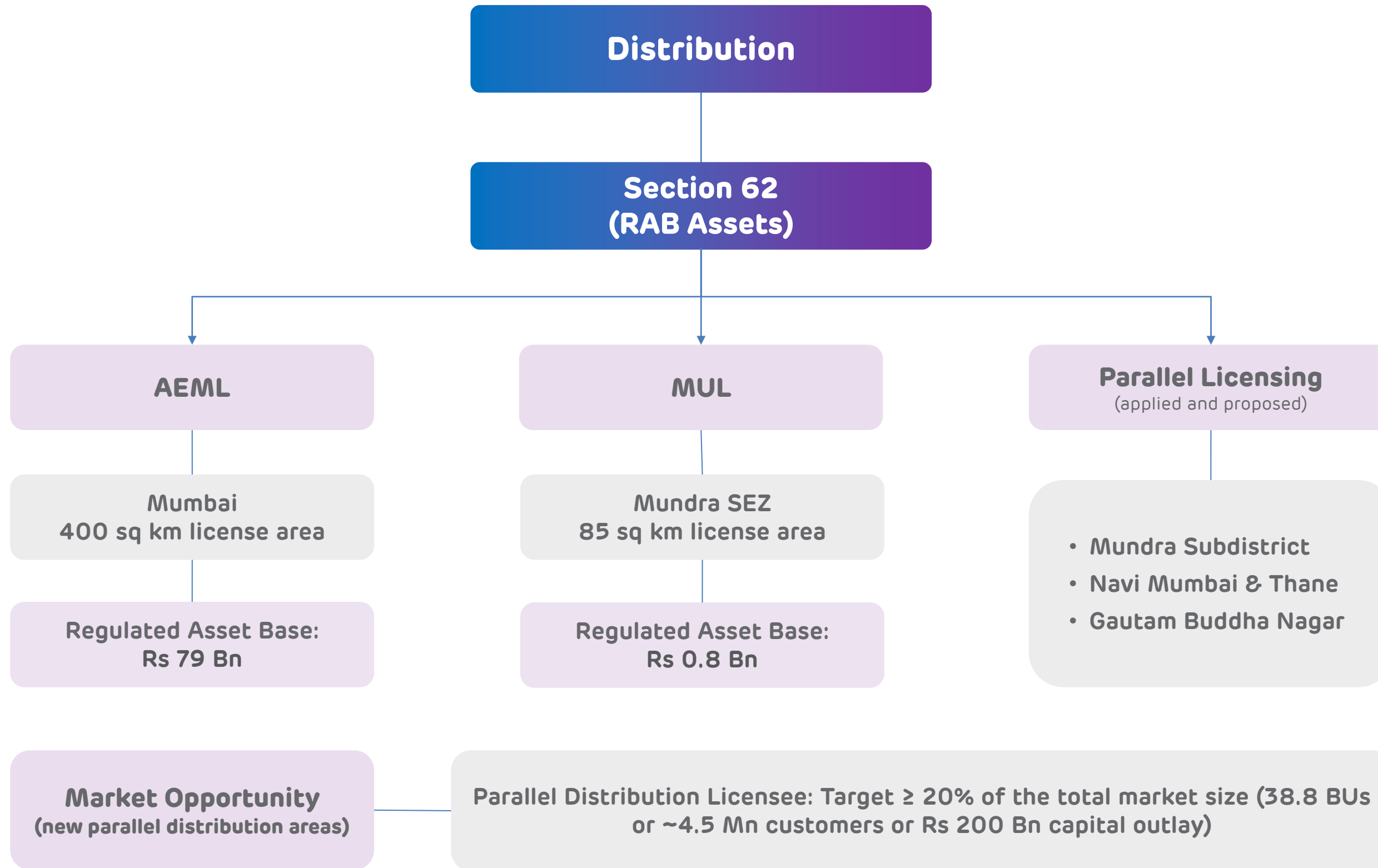
Collaborating & Convergence



Effective Project Delivery



Distribution

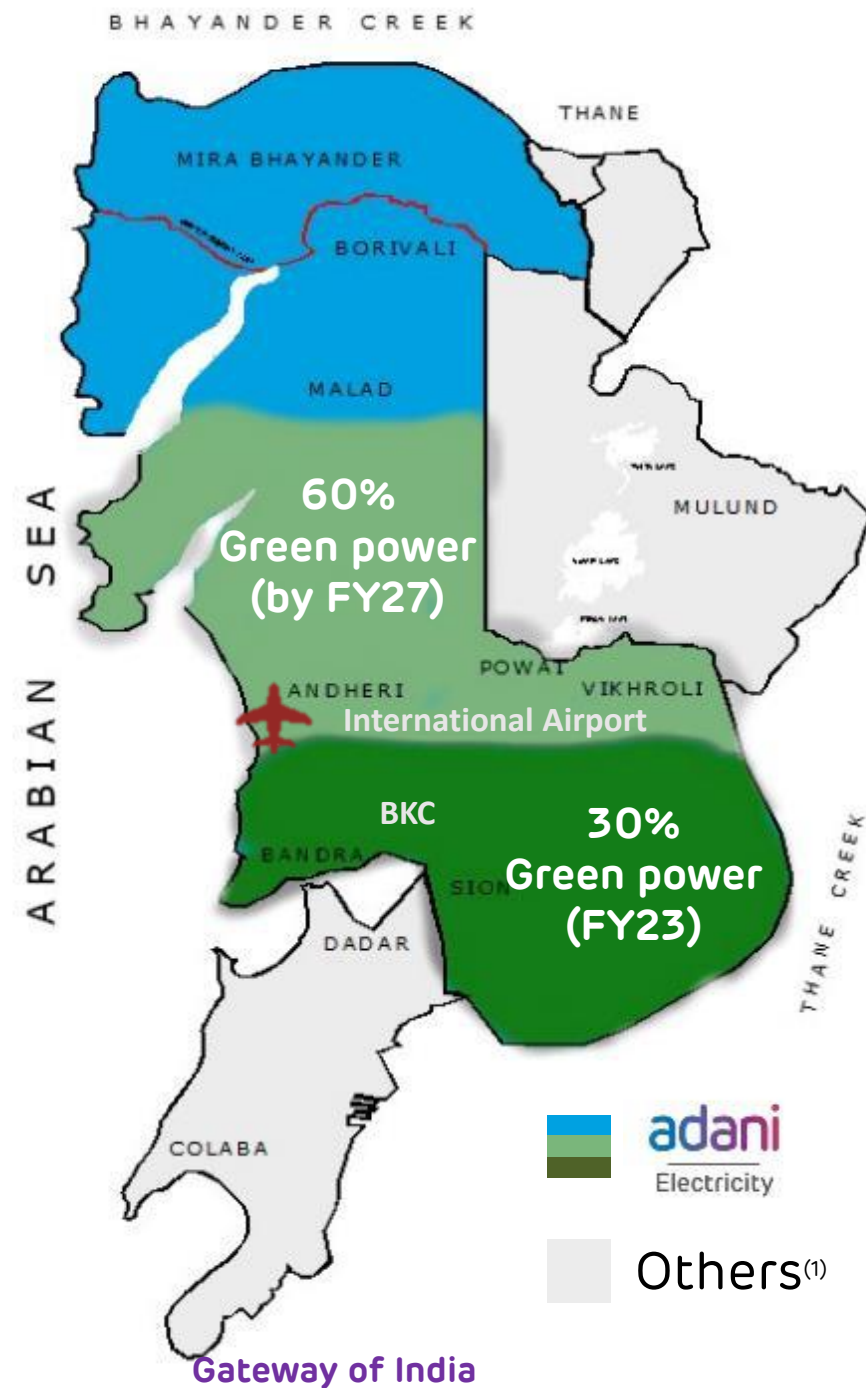


Key Characteristics

- License period: 25-year and perpetual business
- Counterparty: Pool of 12 Mn+ consumers
- No throughput risk (RAB based returns)
- O&M costs are pass-through

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



About Mumbai

- 8th Most Populous City in World
- 25th Richest City in world based on GDP (US\$)

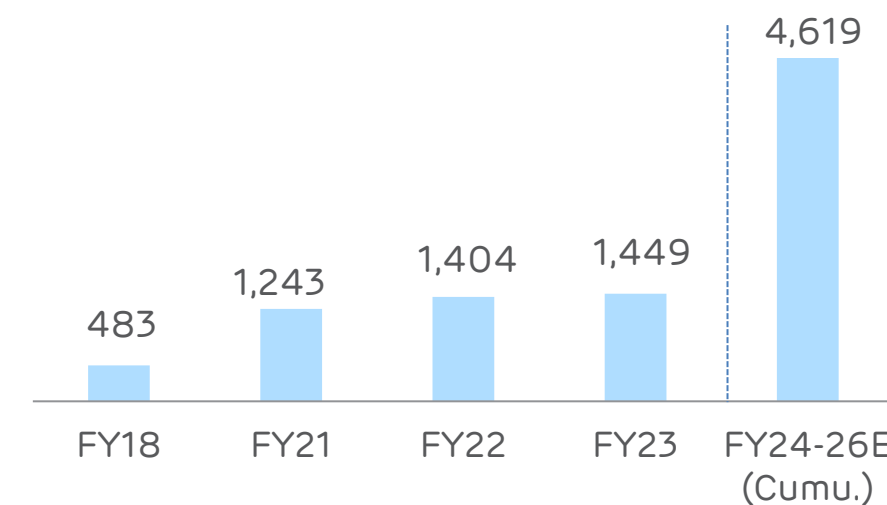
Mumbai Consumers

- 2.2x Per capita income of India
- Rs 3,28,000 Per capita income of Mumbai (FY20)
- Rs 36,000 Avg Annual Electricity Bill of AEML Consumer
- ~6% Average electricity bill as % of per capita income

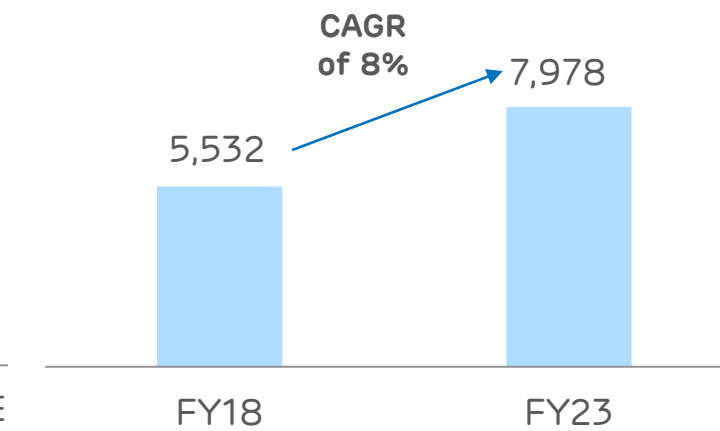
- Servicing 85% of Mumbai, touching 2/3 households of Mumbai
- One of the largest mega city in the world to achieve 30% renewable power

AEML – Key Milestones Since Acquisition

RAB Addition (Rs Crs)



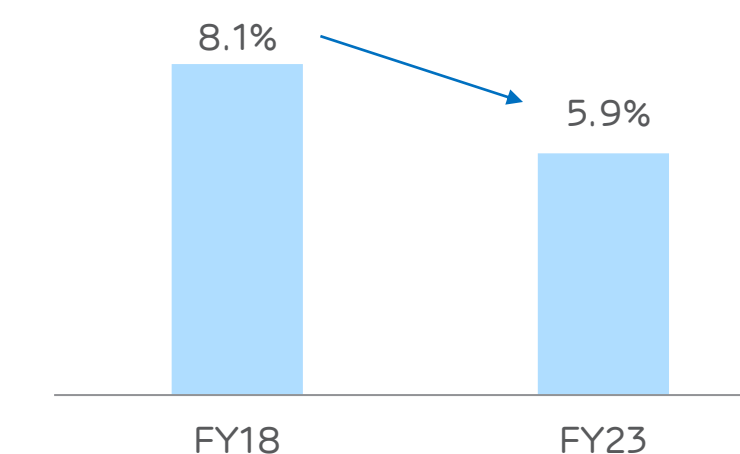
Capitalised RAB (Rs Crs)



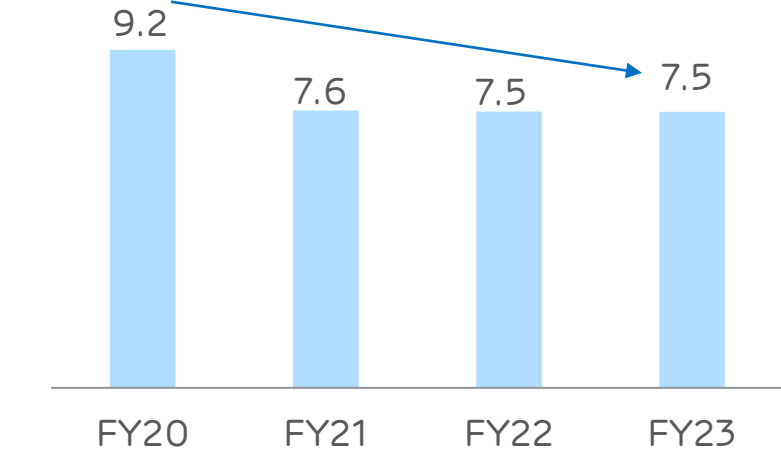
Approved RAB

Forecast

Distribution losses %



Average Billing Rate (Rs/unit ex FAC)



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

Note:- 1) Others include BEST, MSEDCCL & Tata Power; 2) Source – Population Of Mumbai 2020 (Demographic, Facts, etc.) – India Population 2020

MoP: Ministry of Power; PFC: Power Finance Corporation; BKC – Bandra Kurla Complex, MW- Mega Watt, GDP: Gross Domestic Product; CAGR: Compound Annual Growth Rate, RAB: Regulatory Assets Base; FAC: Fuel Adjustment Charges; Map not to scale

MPSEZ Utilities Limited (MUL): Overview

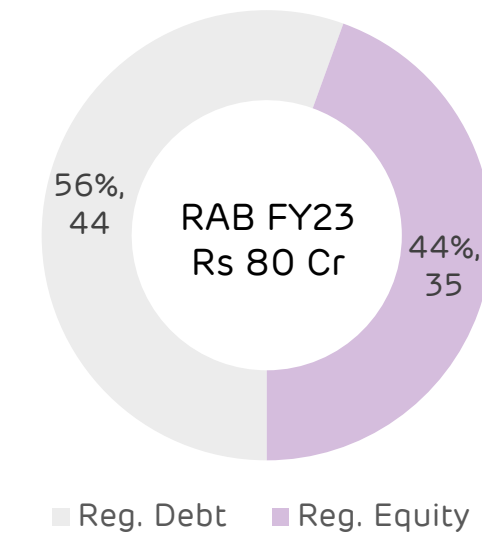
Mundra SEZ is strategically located with well developed supporting infrastructure serving as an attractive industrial hub



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

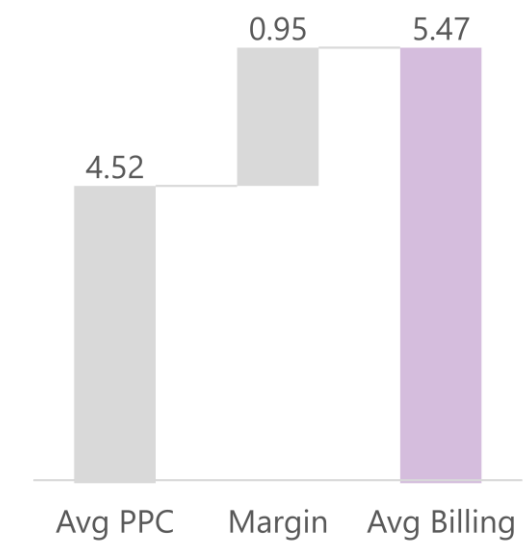
- Mundra SEZ is India's largest multi-product SEZ **spread across 85 sq km**
- Mundra port is **India's largest private commercial port** with capacity to handle cargo of ~264 MMT
- SEZ also has a huge land bank reserve for large-scale industries in future
- Given the large industry cluster opportunity in Mundra SEZ area and the accompanying expected growth in power demand, AESL is well placed to grow the MUL business

RAB^(1,2) (Rs Cr)

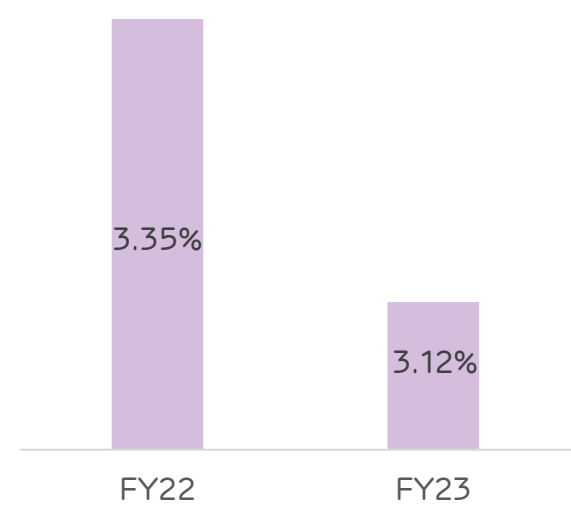


Avg Billing Rate (Rs/ unit)

Power Sale of 289 MUs in FY23



Dist. Loss (%)



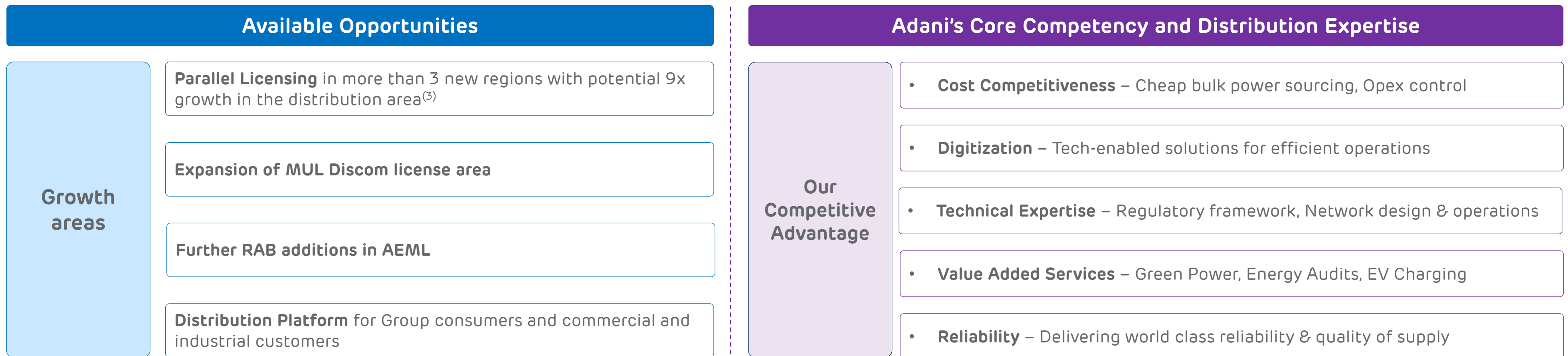
MUL's existing load of MUL is ~80MW, which is expected to grow multifold due to new investments in copper, petrochemicals and solar manufacturing & ancillary industries in the Mundra region

Note: 1) As per Tariff Petition for FY23 and True-up Order for 2020-21; 2) Normative level as per FY23 tariff order; 3) MUL signed a co-developer agreement with APSEZ providing it a deemed licensee status from 2011 for the SEZ license area valid till 2036
MUL: MPSEZ Utilities Limited; AESL: Adani Energy Solutions Ltd.; MMT: Million Metric Tons; SEZ: Special Economic Zone; MU: Million Units Mn: Million, RAB: Regulated Asset Base; PPC: Power Purchase Cost; GW: Giga watts; Map not to scale

Distribution and Parallel License Opportunity

- Power distribution is one of the largest consumer facing sectors in the country. 96.7% of ~270 mn households⁽¹⁾ in India are connected to the grid and primarily owned and operated by state governments
- AESL's Distribution platform intends to position as the electricity **supplier of choice**
- Parallel Distribution Licensee – enabled under **6th proviso to section 14 of Electricity Act 2003** as follows:

“The Appropriate Commission may grant a licence to two or more persons for distribution of electricity through their own distribution system within the same area, subject to the conditions that the applicant for grant of licence within the same area shall, without prejudice to the other conditions or requirements under this Act, comply with the additional requirements [relating to the capital adequacy, credit-worthiness, or code of conduct] as may be prescribed by the Central Government, and no such applicant, who complies with all the requirements for grant of licence, shall be refused grant of licence on the ground that there already exists a licensee in the same area for the same purpose”
- Proposed Total Capital Outlay⁽²⁾ of **Rs. 200 Bn over 8 years**
- Parallel Distribution Licensee⁽²⁾ : **Target ≥ 20% of the total market size** – 38.8 BUs or approx. 4.5 million customers



AESL's Core Strengths and Available Synergies in the Distribution space:

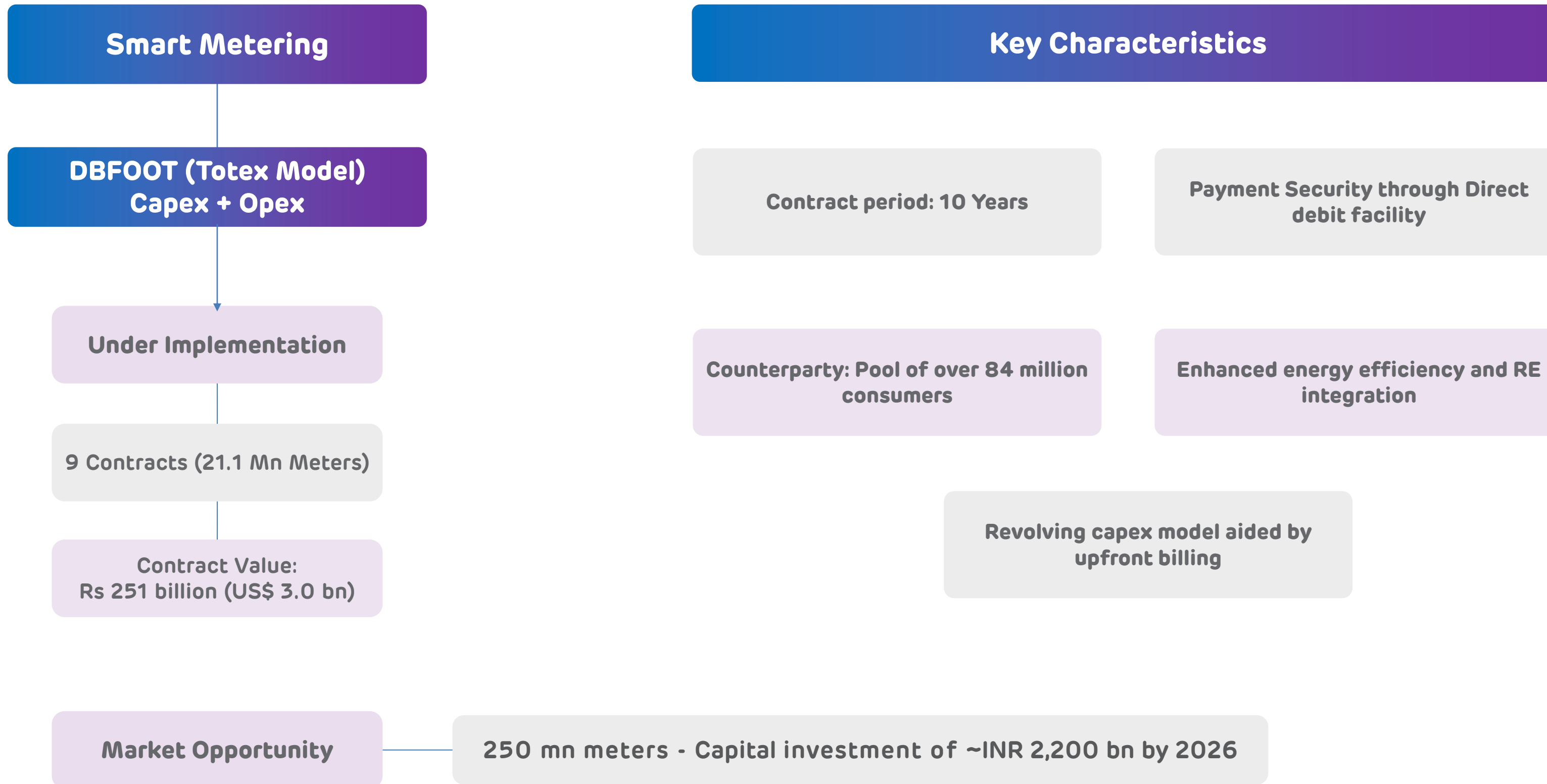
Experience of operating AEML – the No. 1 Discom in the country | Expertise of operating in a multi-player competitive environment

1) Source: India Residential Energy Survey (IRES 2020) 2) As per internal study; 3) Applied for Mundra subdistrict (1000 sq kms), Navi Mumbai (700 sq kms) and Gautambuddha Nagar (1,750 sq kms) and AEML (existing – 400 sq km) ; AMI: Advanced Metering Infrastructure; EV: Electric Vehicles; RAB: Regulatory Asset Base; AEML: Adani Electricity Mumbai Ltd; MUL: MPSEZ Utilities Ltd; BU: Billion Units



Smart Metering

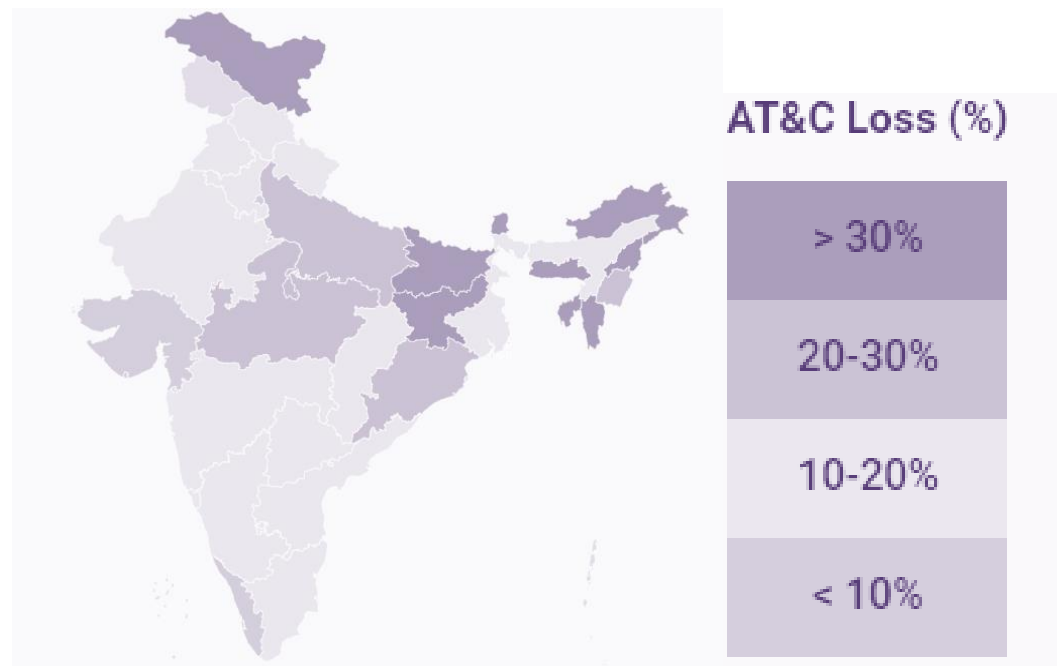
Smart Metering Business



Note: LOA: Letter of Award; Selected as preferred bidder, contract under negotiation; DBFOOT: Design, Build, Finance, Own, Operate, Transfer; RE: Renewable Energy; Contract smart meters (million): Maharashtra (BEST) – 1.1 mn, Assam – 0.8 mn, Andhra – 3.1 mn, Maharashtra (MSEDCL): 11.6 mn, Bihar: 2.84

Reforms in Discom sector: Advanced Smart Metering through RDSS scheme

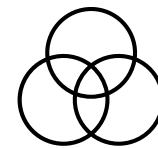
Government Initiatives



Need for Smart Meters (nos of FY23) ¹



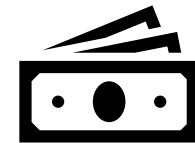
High AT&C losses 15.77% (52 Discoms)



ACS-ARR gap ~Rs 1.26 per kWh



Billing Efficiency of 86.12%



Elongated Receivables of discoms ~ 142 days (Rs 2.42 Lac Crs)

Revamped Distribution Sector Scheme (RDSS):

- Target of **250 Mn smart meters by 2026**
- **Outlay of ~Rs. 3 Tn** (RDSS plan) with ~1 Tn GBS
- Consumer **awareness for electricity consumption**
- Tendering through **competitive bidding**

Opportunities

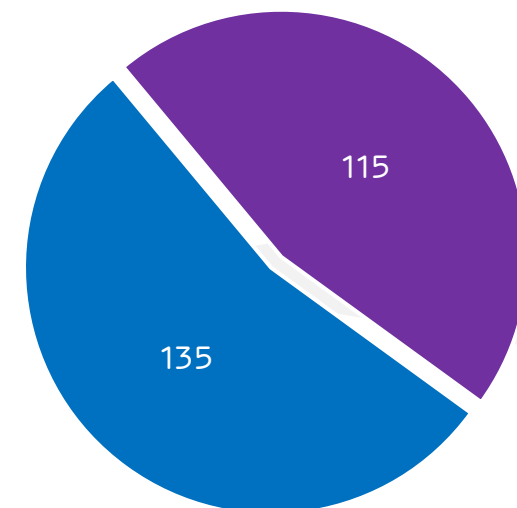


34 States/UTs spread across 60 Discoms

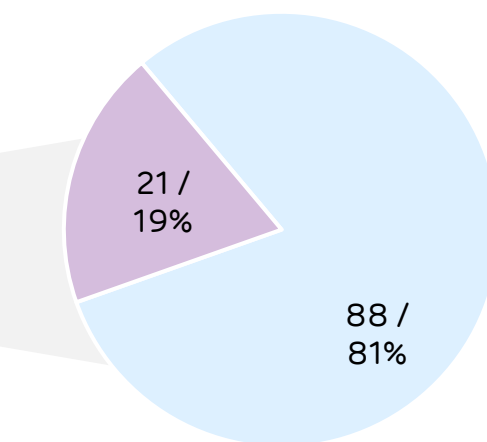


250 Mn Smart Meters Sanctioned

India's Target (mn meters)



AESL's Share (mn and %)



■ Future ■ Awarded+L1

■ Other Players ■ AESL-Awarded

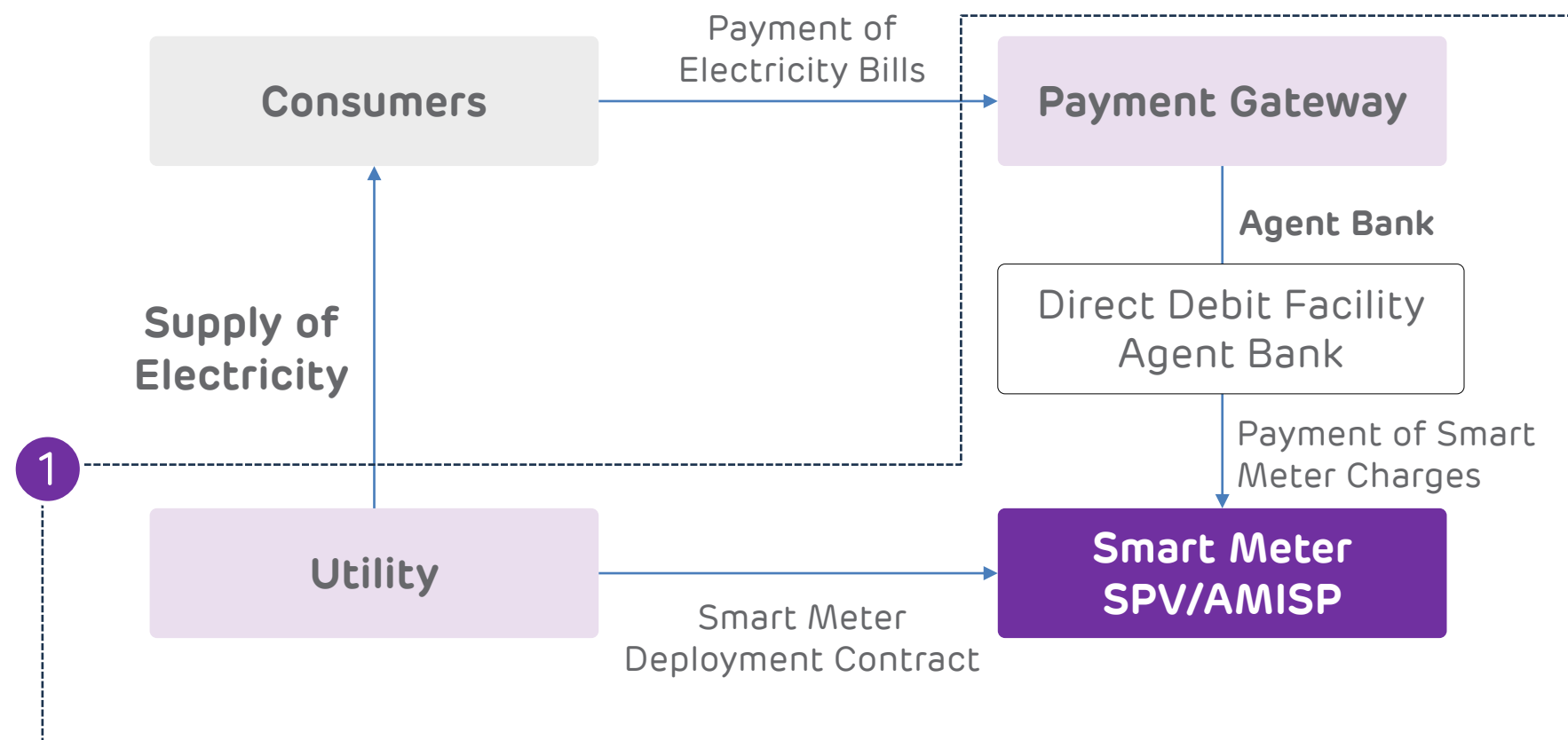
Initial mover advantage

- Existing smart metering experience in AEML
- High EBITDA margin
- Track-record of complex projects
- Limited competitive intensity and economies of scale
- Higher Equity Return on Investment
- Augment Distribution offering

Cashflow generation during implementation stage leading to Lower Gestation Period

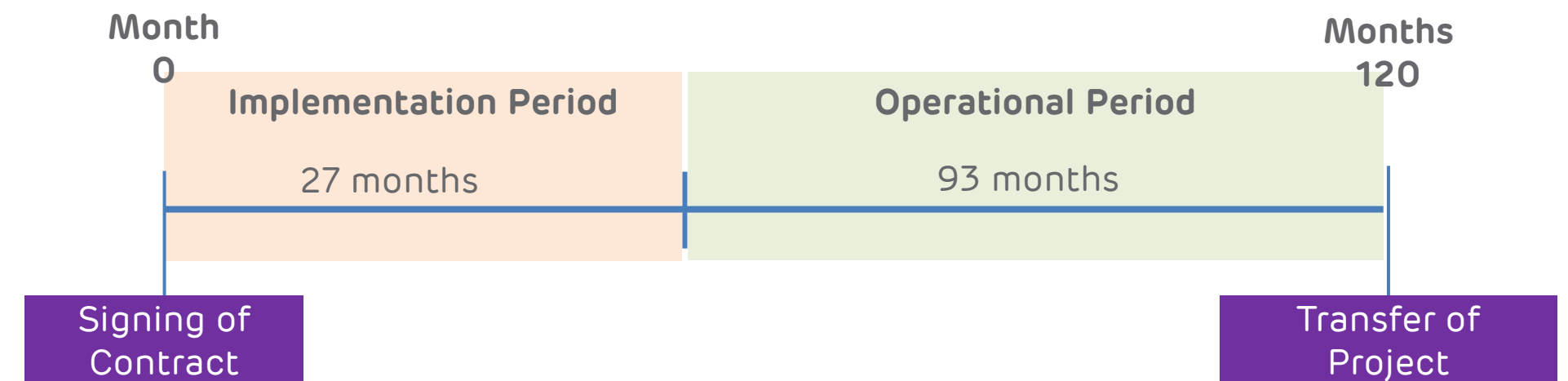
Smart Metering Contractual Framework

Flow of Revenue for Smart Meter SPV



- Assured Revenue for Smart Meter Implementing Agency;
- Pass through Expense under s.62 of electricity Act for Utility
- Ultimately recovered from the consumer

Contract For Advanced Metering Infrastructure Service Provider (AMISP)



- Revenue inflows immediately on Operational Go live
- Operational Go Live: 5% of the Smart Meters being operational
- Revenue charged is based on Total Meter Months

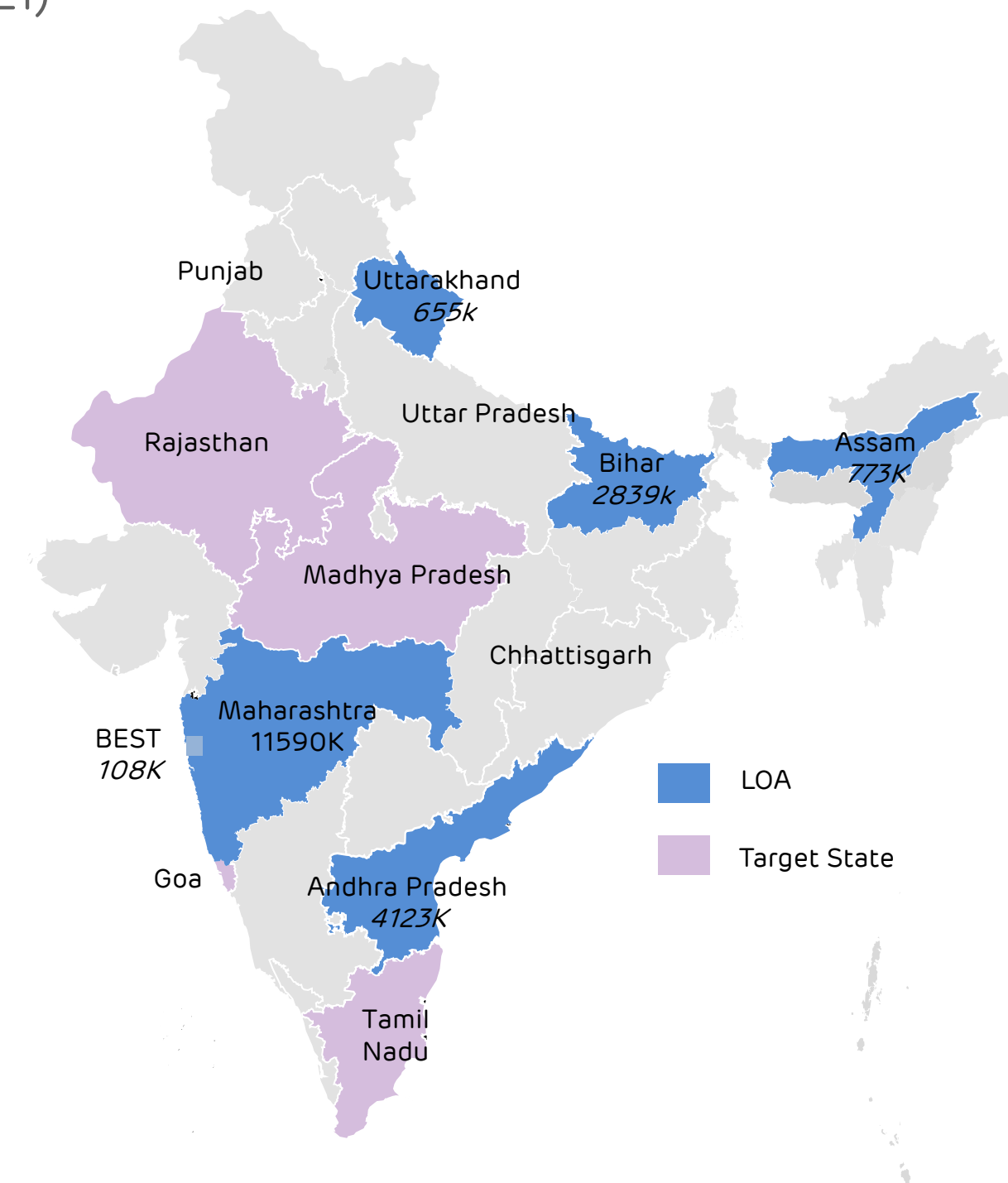
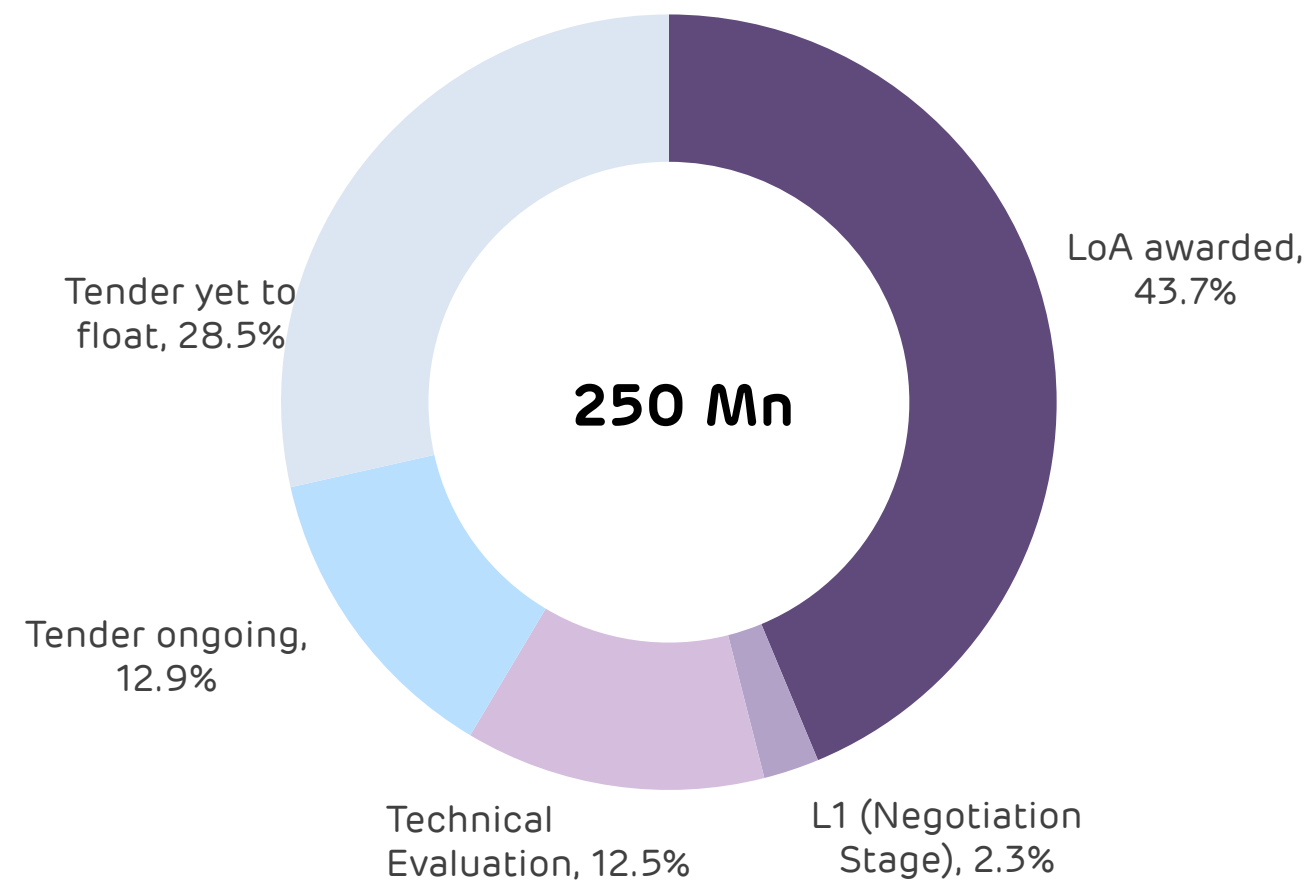
1 Payment Security Mechanism through Direct Debit Facility Agreement (DDF)

- A Quadripartite agreement → governs all payments due to AMISP
- Agreement uniform to all discoms, finalized by REC being the Nodal Agency
- Direct Debit facility include bucket filling approach → all consumer bill payments will be routed through this account
- Irrevocable and Standing instruction to Agent Bank to directly pay to Smart Meter SPV from DDF account.

Market Dynamics: Smart Metering Business

- 109 Mn Smart Meters awarded so far (LOA), and 6 Mn are at negotiation stage (L1)
- Untapped market of – 135 Mn Smart meters

Total Smart Meters



AESL has an LOA for 21.1 Mn smart meter qty. with an order value of Rs 251 billion (US\$ 3 bn)

AESL's Core Strengths and Available Synergies:

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

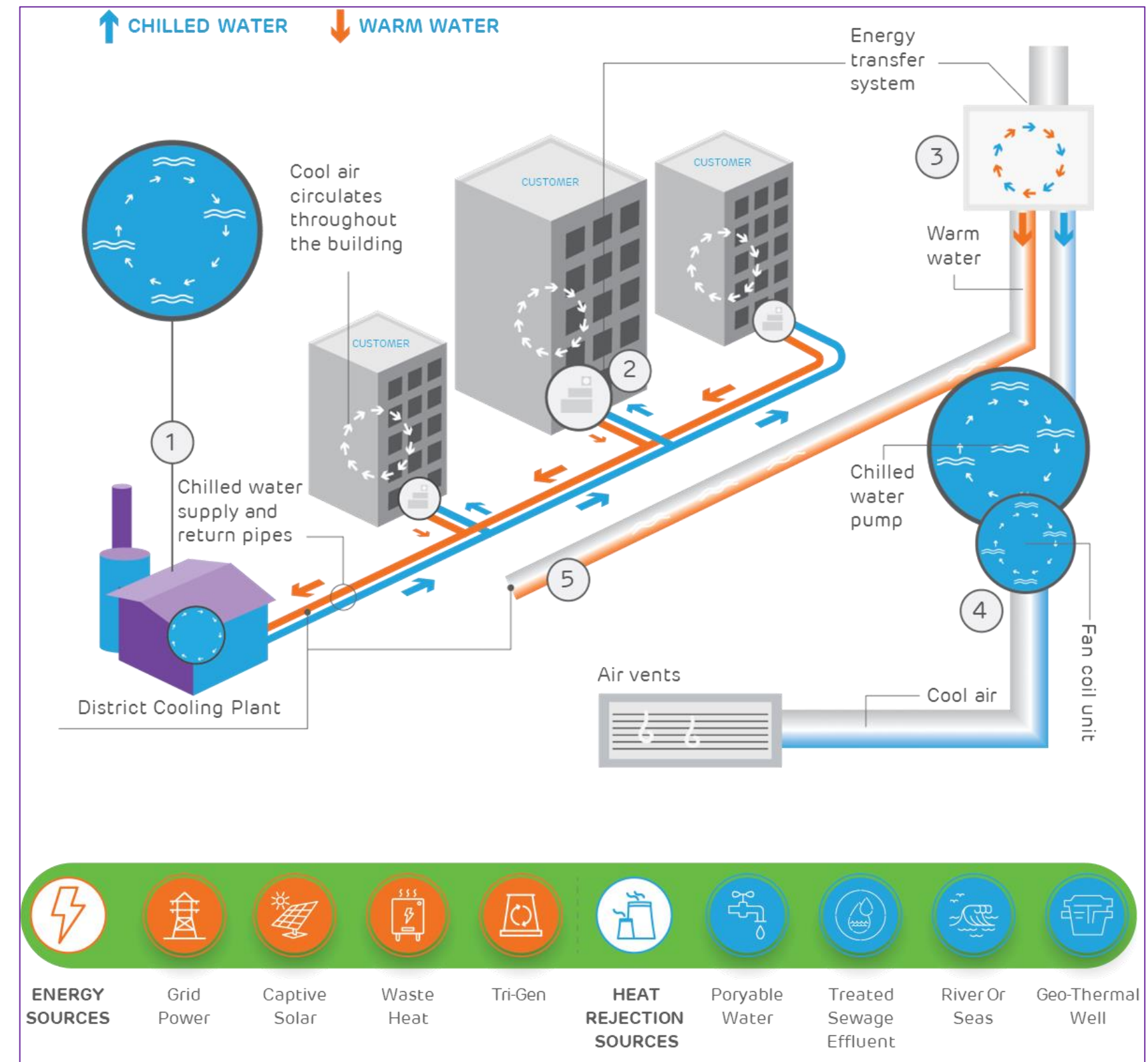


District Cooling

District Cooling Business – Snapshot

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.

- 1 A central cooling plant produces chilled water by using eco-friendly refrigerants
- 2 This chilled water is transported to the customer buildings through a network of insulated water carrying pipes.
- 3 Energy Transfer Station (ETS) facilitates the heat transfer between the high-side chilled water circuit and low side (building) chilled water circuit with plate type heat exchanger to cool the building-side water.
- 4 The cold low side chilled water circulates through fan coil units and cools the hot air which is blown over the cooling coil in the fan coil unit, to produce an air-conditioning environment, which is predictable and efficient.
- 5 The warmer water from the ETS is returned to the central plant for re-cooling and recycling.



District Cooling Business - a centralized, energy-efficient and low carbon cooling solution to drive sustainability in cooling sector

BUSINESS RATIONALE

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

- India's cooling demand projected to grow by 8 times in the next 20 years
- Rising per capita income, urbanization coupled with growing AC ownership to drive the growth

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

- Offer DCS under Cooling as a service model (DBFOT)
- Integrated solution with tailormade power sourcing from grid, wholesale or captive sources

ESG Integration

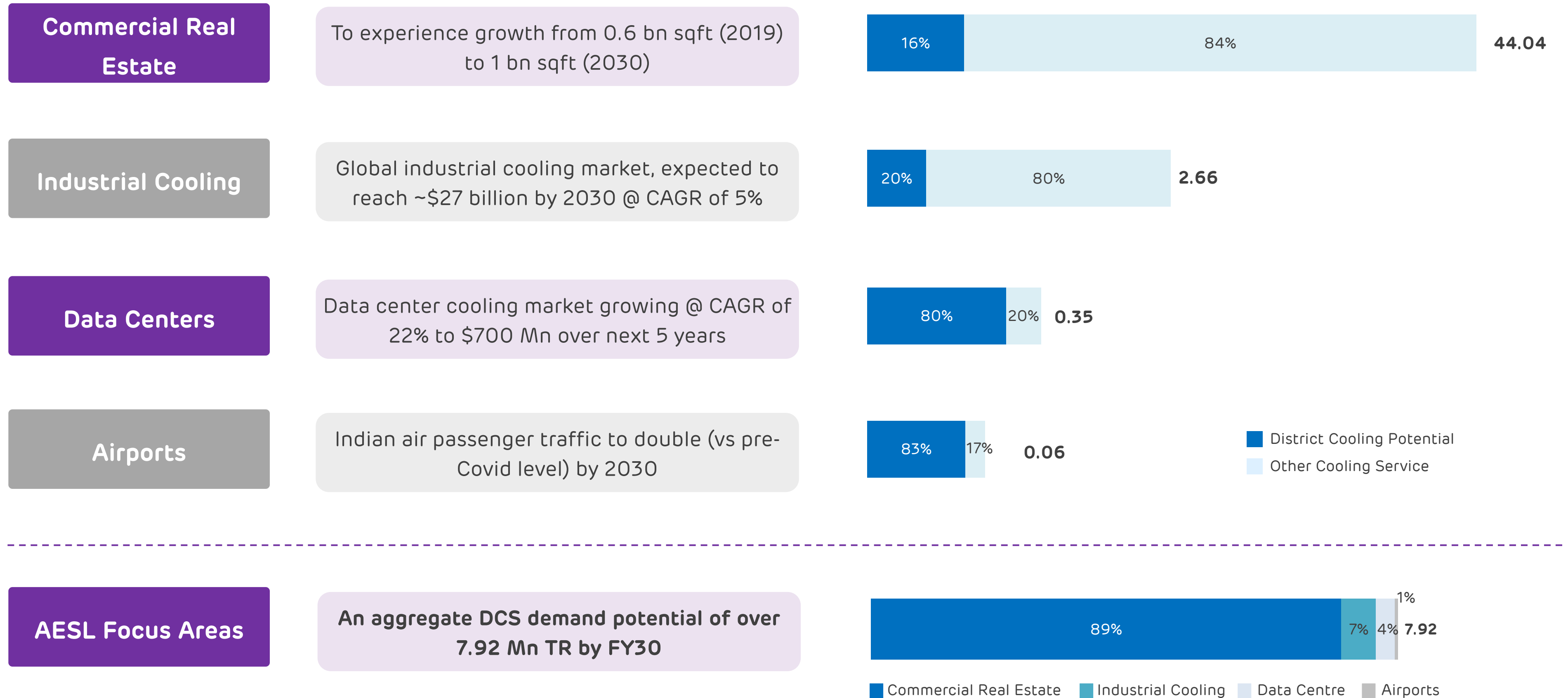
- Sustainable Cooling Solution for a Low Carbon Future (15-25% lower emissions)
- Contribute to India's net zero target by 2070

TRADITIONAL VS DISTRICT COOLING



Four key segments to drive India's DCS demand

Cumulative Cooling Demand from key segments by FY30⁽¹⁾ (in Mn TR)



Sources: Cooling India, ICAP, Praxis, CREDAI/CBRE, CEA, IEA, EIA, Adani Connex, Boeing, Internal analysis; Notes: 1) Cum. Cooling demand (new) and DCS market potential is considered from FY 24-25 onwards; TR: A ton of refrigeration; CAGR: Compounded Annual Growth Rate



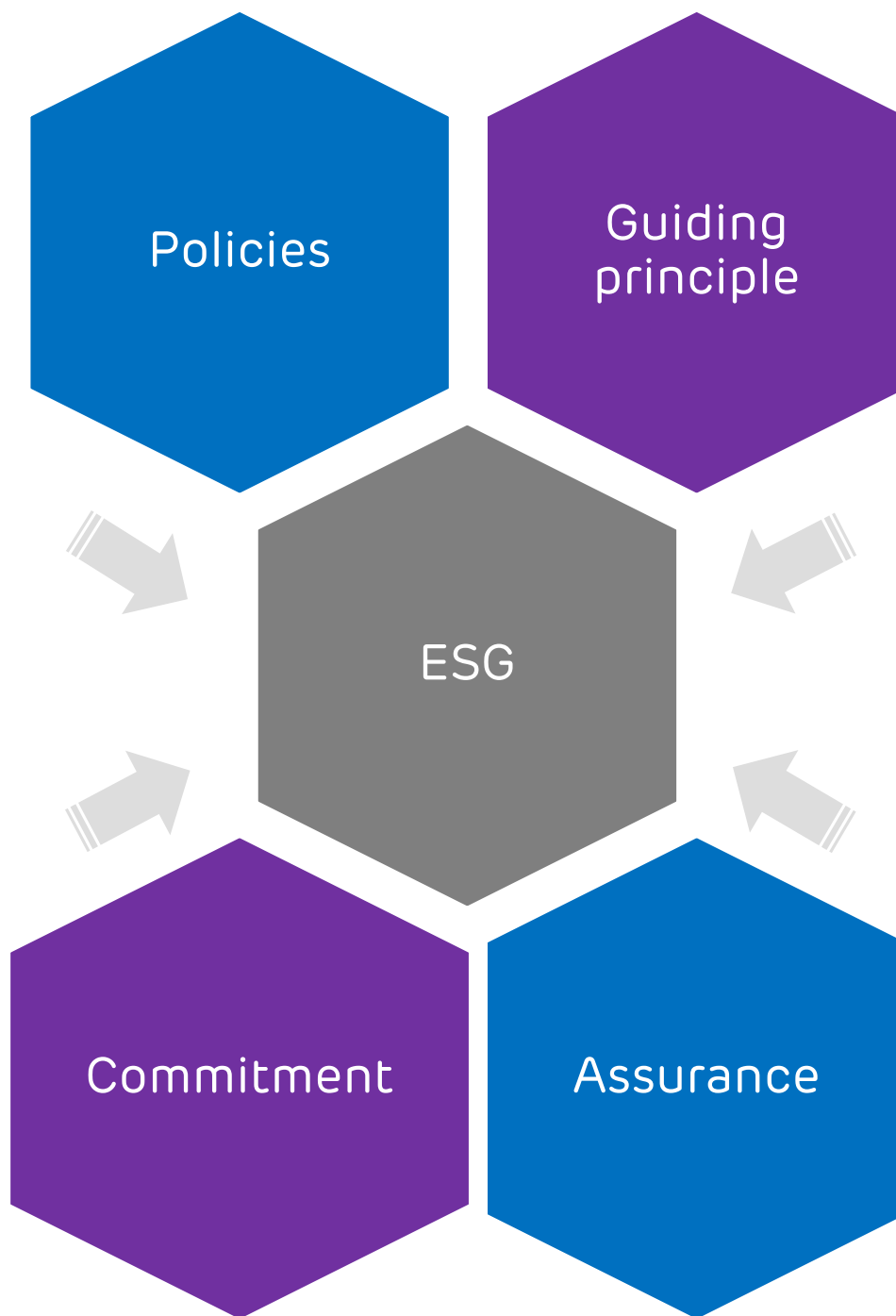
adani
Energy Solutions

Growth with **Goodness**



ESG Framework

Assurance backed ESG framework



Guiding principles

- United Nations Global Compact
- UN Sustainable Development Goals
- India Business & Biodiversity Initiative (IBBI)
- SLB Principles
- IFC E&S Performance Standards

Disclosure Standards

- TCFD
- TNFD
- GRI Standards
- CDP disclosure
- BRSR
- GHG Protocol

Policy Structure

- E**
 - Environment & Energy as part of IMS policy
 - Biodiversity Policy
 - Energy Management System
- S**
 - Guidelines on Human Rights
 - Corporate Social Responsibility Policy
 - Occupational Health & Safety as part of IMS Policy
- G**
 - Board Diversity
 - Code of Conduct
 - Related Party Transaction Policy

Focus Area - UNSDGs

- 7 AFFORDABLE AND CLEAN ENERGY**
- 11 SUSTAINABLE CITIES AND COMMUNITIES**
- 12 RESPONSIBLE CONSUMPTION AND PRODUCTION**
- 13 CLIMATE ACTION**

Transforming through Green Energy Adoption



- AESL's pledge to 'Net Zero by 2050' to limiting the global temperature rise to 1.5°C with no or limited temperature overshoot.
- With interim ABSOLUTE GHG emissions targets:
 - Reduce 72.7% Scope (1 + 2) by FY 2032
 - Reduce 27.5% Scope 3 by FY 2031

- Green tariff and certificates for Mumbai customers choosing green energy options
- AEML is actively working towards goals:
 - Renewable energy : 60% by FY27, 70% by FY30 from 30% in FY23
 - GHG intensity [tCO2e/EBITA]: FY30 48.5% < FY19 from 38% in FY23
- AESL is developing an HVDC Transmission link for continuous supply of renewable power to Mumbai with commitment of \$1 billion (already commissioned 400 KV Kharghar Vikhroli line of 1000 MW)



ESG Commitments

- To be in Top 10 companies of the world in ESG benchmarking of electric utility sector by FY25
- To purchase RE power at AEML 60% by FY27 (committed under SLB framework) & 70% RE sources by FY2030
- To reduce Emission intensity [tCO2e/ EBITA] @ AEML by 40% by FY25, 50% by FY27 & 70% by FY2030 [w.r.t baseline FY19](#)
- To remain Single-use-Plastic-Free (SuPF) company
- To remain Zero-Waste-to-Landfill (ZWL) company
- To retain Water Positive status for the company
- To achieve No Net Loss of biodiversity on ongoing basis
- To complete ESG Evaluation and engage all Tier-1 critical suppliers through GHG Suppliers' Engagement Program for decarbonization of value chain by FY26

Targets

Indicator	FY25 Target	FY23 Target	Status: FY23
Ranking in Global ESG benchmarking of electric utility sector	Top 10	NA	Top 40 in Electric Utilities sector - Sustainalytics/ ISS ESG
Water positive sites	100%	100%	100%
Zero waste to landfill operating sites	100%	100%	100%
Single use plastic free operating sites	100%	100%	100%
No Net Loss of biodiversity	100%	NA	Ongoing

ESG Ratings, Awards and Recognition

ESG Commitments	
ESG Ratings	AESL's Rating
	Ranking of 86%, with consistent ranking above <u>Electric & Gas Utilities</u> industry average [911 companies]
	ESG Risk Rating of ' Medium Risk ' with a score of 25.3 in February 2024 (improved from High Risk - 32.8 in April 2023), better than global Electric Utility Industry average of 31.6; Part of Global Top 20 in Electric Utility Industry
DJSI-S&P Global Corporate Sustainability Assessment	S&P CSA 2023: Scored 62#/ 100, one of the best in Indian Electric Utility sector and significantly better than average World Electric Utility score of 34/100
	ESG Rating of ' BBB '
	FTSE reaffirms AESL as a constituent of FTSE4Good index series with an improvement in ESG score from 3.3 to 4 . Also, AESL's Governance score stands at 5/5, Social score of 4/5 & Environment score 3.3/5 well above global Electric Utilities sector average of 2.7
	2022 ESG score of 62/ 100, the highest in Power –T&D sector

Notes: MSA: Media and Stakeholders Assessment; *Sustainalytics: May'23 score of 30.72 changed to 31.5 due to MSA aspects; #S&P CSA 2023: Score of 69/100 changed to 62/100 due to MSA aspects



Investment Case and Board & Management

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



Mr. Gautam S. Adani
(Chairman)



Mr. Rajesh S. Adani
(Director)



Mr. Anil Sardana
(MD, AESL)

Managing Director



Mr. K. Jairaj



Dr. Ravindra H.
Dholakia

Independent Directors



Mrs. Meera Shankar



Ms. Lisa MacCallum

Skilled and Experienced Management Team



Mr. Anil Sardana
(MD, AESL)



Mr. Kandarp Patel
(CEO, AESL)



Mr. Rohit Soni
(CFO, AESL)



Mr. Kunjal Mehta
(CFO, AEML)

Strong governance framework with focus on transparency and independence

Annexures

40-43

ESG Initiatives

44-46

Regulatory Framework

47

AEML – Case Study

48

Smart Metering – Key Benefits

49-52

Project Level Details – Asset Portfolio

AESL: Key Environmental Indicators and Milestones

Key Performance Indicators	Current Status	Baseline	Medium to Long-term Targets	
Energy Mix & Emission Intensity				
- RE share in power procurement	AESL has achieved 35% renewable in power mix as of December 2023	3% FY19	30% by 2023 (achieved 35%)	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.	FY19 2,254 tCO2e/EBITA	40% by FY25	70% by FY30
Waste Reduction and Biodiversity Management				
- Zero waste to landfill (ZWL)	Secured ZWL status from Intertek <ul style="list-style-type: none"> Covered all operational sites (substations and TLs) of AESL Achieved landfill diversion rate exceeding 99% 	No certification in FY19-20	Achieved ZWL for all O&M sites , AESL	
- Single use plastic (SuP) free sites	Attained SUP free status from CII-ITC CESD <ul style="list-style-type: none"> Covered 37 operational sites of AESL Strengthening alignment with UNSDG 12 	No certification in FY19-20	Achieved SUP free status for AESL in March 2023	
- India Business Biodiversity Initiative (IBBI) and ensure no net loss to biodiversity	<ul style="list-style-type: none"> 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 biodiversity and 100% alignment with IBBI and IBBI principles based public disclosures by FY23-24	
- Water Neutrality (Water conservation)	<ul style="list-style-type: none"> 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 transmission Sites	

AESL: Key Social Indicators and Milestones

Social

Material Categories	Material Themes	Key Performance Indicators	Baseline	Target (FY23-24)
Health & Safety	Work related injury	Rate of fatalities per million hours worked	Zero (FY 20-21)	Zero
		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	<ul style="list-style-type: none"> Women as a percentage of new hires and total workforce (%) Mapping & Disclosure of Regional & ethnic diversity Mapping & Disclosure of inclusiveness 	<ul style="list-style-type: none"> New Hire: 5 % Total Workforce: 5% Regional & Ethnic diversity: NO mapping 	<ul style="list-style-type: none"> New Hire: 10% Total Workforce: 6% Regional & Ethnic diversity: 100% mapping
Human Rights	Training on human rights	<ul style="list-style-type: none"> Employees trained in human rights (%) Security Personal trained in human rights (%) Due diligence of business & value chain 	-	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 Procurement	Proportion of spending on local suppliers (%)	<ul style="list-style-type: none"> Spend on local suppliers against the total procurement budget (%) Due diligence of supply chain 	99.4 % (FY 20-21)	Maintain FY21 Performance
	Supplier screening on ESG metrics	Suppliers screened on ESG criteria (%)	100% (Critical New Suppliers)	100% (Critical All Suppliers)

AESL: Key Governance Indicators and Milestones

Governance

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	<ul style="list-style-type: none"> % of women directors in board improved to 28.5% (2 of 7 board members)
Board Independence	Great Board Independence and Improved Disclosures	<ul style="list-style-type: none"> Improve board strength and independence Incorporate non-statutory committees Enhance disclosures in board & committee meetings 	<ul style="list-style-type: none"> 6 directors as of FY21 Only statutory committees as of FY21 	<ul style="list-style-type: none"> Board now comprises of total 7 directors with 4 (58%) 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	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Zero corruption cases 	<ul style="list-style-type: none"> Company Adopted Anti Corruption and Bribery Policy Zero Case on Corruption and Bribery Identification and Assessment of risks Yearly DD for CoC for board, employees, suppliers & ABAC policy
Anti-competitive Practices	Fines and Settlements	<ul style="list-style-type: none"> Fines or settlements paid related to anti-competitive business practices (INR) 	Zero as of FY21	<ul style="list-style-type: none"> Zero in FY23 and beyond Yearly ABAC due diligence
Customer orientation and satisfaction	Consumer Satisfaction	<ul style="list-style-type: none"> Affordable tariffs Service reliability Sustainable power 	<ul style="list-style-type: none"> Distribution loss reduction CSAT surveys Reliability metrics 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> CSA: 59/100 (2022); FTSE: 3.3/5 (2022) 	Target 2023-24: <ul style="list-style-type: none"> CSA – 62/100 (Achieved 69/100 w/o MSA) FTSE: 4/5 (Achieved in FY23)

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

Safety Initiatives During Q3FY24

Safety Performance in Q3FY24

- **Safety training:** 47,683 man-hours of safety training and awareness during Q3 FY24
- **Positive Safety Culture:**
 - Monthly Safety Quiz Series, Safety Perception Survey and a reference book guiding 'When to Stop the Job' to enhance safety awareness
 - 2 Days of "URJA"- Electrical Safety Campaign on 5E Model (Exposure, Enable, Educate, Equip and Ensure) was conducted at various sites.
 - Group Safety Audit was conducted at KVTL & Mahendergarh SS project site
 - Mandatory Safety Training Session on RVDTS LOTO, CSM, PPEs, Incident Reporting, Investigation and Work at Height was conducted by T&T's to ensure maximum knowledge retention.
- **"SAMPARK"** – An initiative for AEML premium customers carried out to know safety concerns along with other commercial issues
- **"Saksham"** - Mandatory Contractor Workmen Incubation & Induction Program was conducted at various sites to enhance training effectiveness
- **OSH India Award 2023:** AEML awarded **"Excellence in Road Safety"** and **"Excellence in Innovation in Safety Technology"** at the OSH India Awards for road & workplace safety.

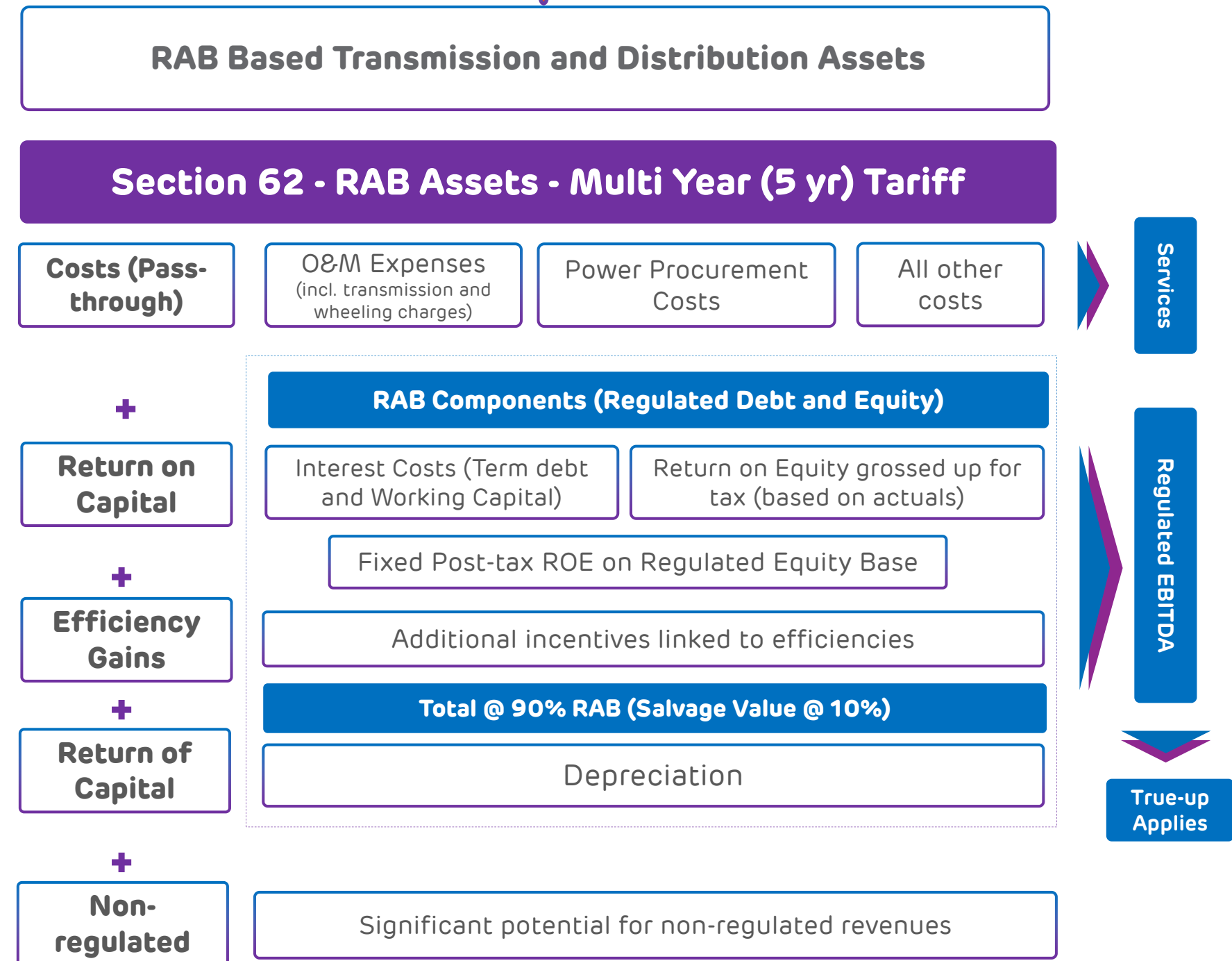
Safety Parameters	Transmission		Distribution (AEML)	
	Q3FY24	Q3FY23	Q3FY24	Q3FY23
Near Miss Reporting (Awareness)	1,308	1,671	1,901	1,850
Suraksha Samwad (Safety Dialogue)	1,751	2,862	2,661	2,701
LTI	0	0	1	5
Fatalities	0	0	0	0
LTIFR (LTI Frequency Rate)	0	0	0.19	1.07
LTI (LTI Severity Rate)	0	0	4.53	31.69
Safety training (in Man-Hours)	26,476	40,254	21,207	20,051



Notes: LTI frequency rate and LTI severity rate lower the better; LTI Frequency Rate: Reportable loss time injury (RLTI)*1000000/Man hours worked; LTI severity Rate : Man days Lost (MDL)*1000000/Man hours Worked

Stable Regulatory Framework

The Electricity Act 2003

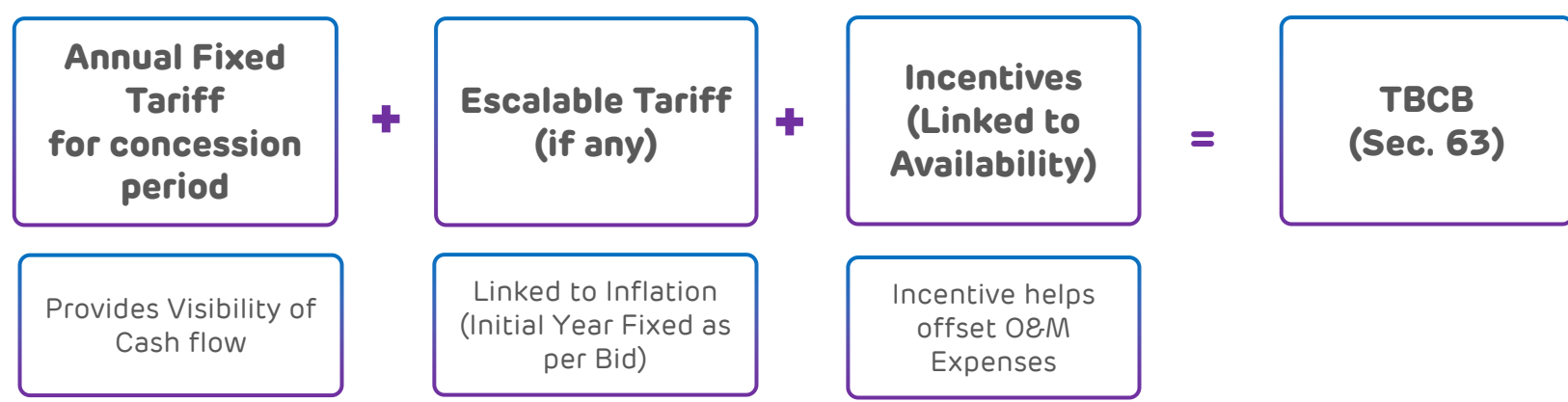


Perpetuity-type asset license with term renewed every 25 years (Distribution business) and well-established tariff setting mechanism with fixed ROEs on Regulated Equity Base

Fixed Tariff Transmission Assets

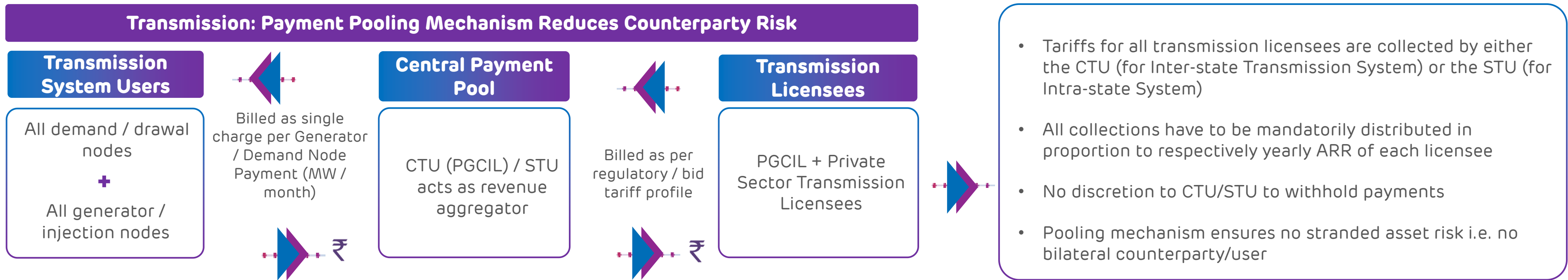
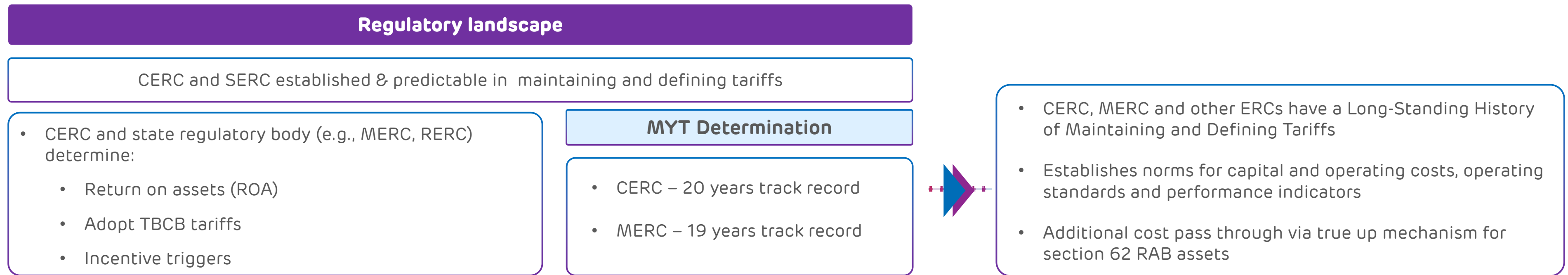
Section 63 - Fixed Tariff Method - License Period Basis

- Project bid and allocation is under Tariff Based Competitive Bidding (TBCB) Mechanism
- Annual charge for a 35-year period is set through the bidding process
- Projects are bid either on BOOM or BOOT basis (residual life of assets normally exceed TSA period/concession period)
- Tariff is adopted by the relevant Electricity Regulatory Commission (ERC)



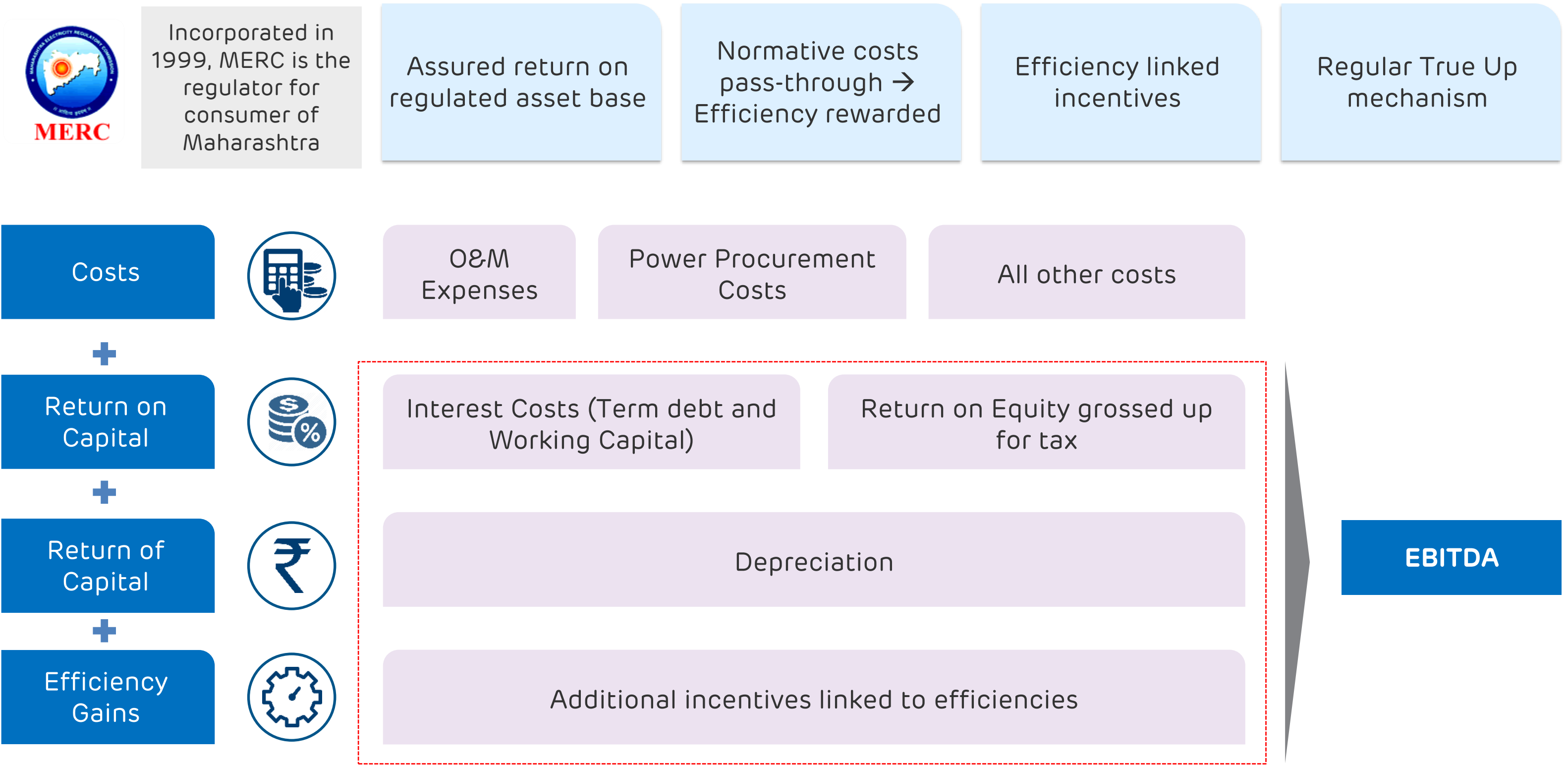
Concession model provides significant visibility of tariff profile thus offering cash flow certainty with very limited operational risk

Payment Pooling Mechanism Reduces Counterparty Risk



AEML: Operating in a stable and evolved regulatory framework with predictable & robust returns

Tariff is based on assured return on capital model + pass-through of costs + efficiency linked incentives

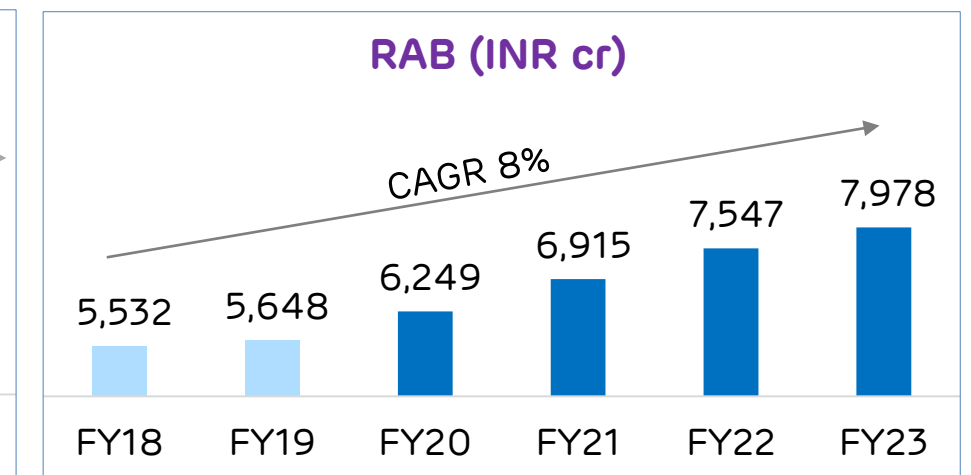
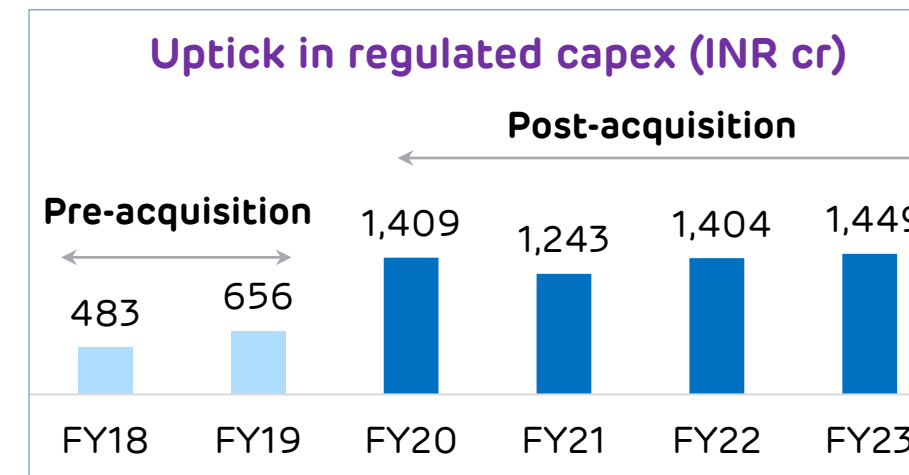


Notes: EBITDA – Earnings before interest, tax, depreciation and amortization, MERC – Maharashtra Electricity Regulatory Commission O&M – Operations and Maintenance; Source – MYT Regulations 2019

AEML Case Study: Successful Acquisition and Turnaround

Projection Execution Excellence

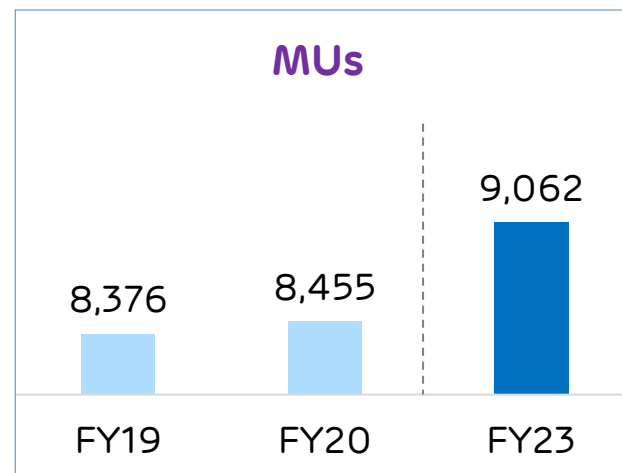
- Low capex pre-acquisition on account of liquidity constraints
- Investment in capex resulting in **asset hardening** → supply reliability and higher efficiencies
- **One of the highest ever regulated asset development** in the Covid period



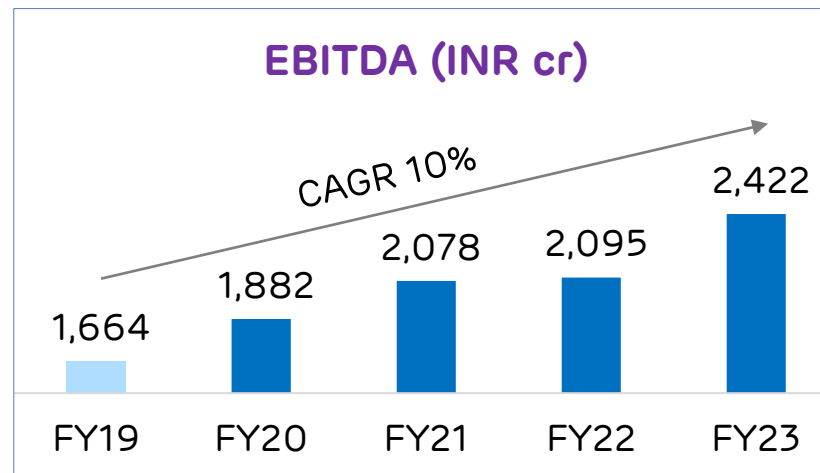
Operational excellence

- Best practices implemented with technology integration to ensure supply reliability, responsiveness as well as profitability

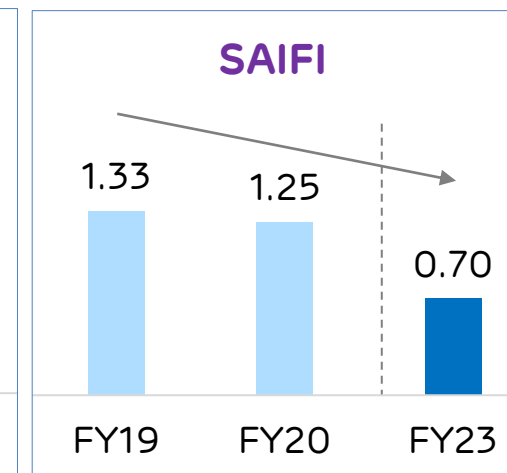
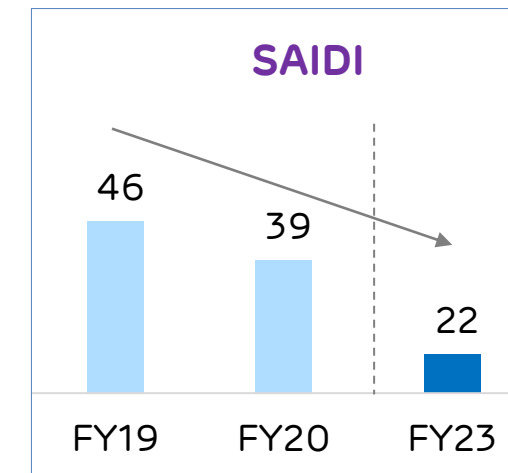
Consistently delivering power



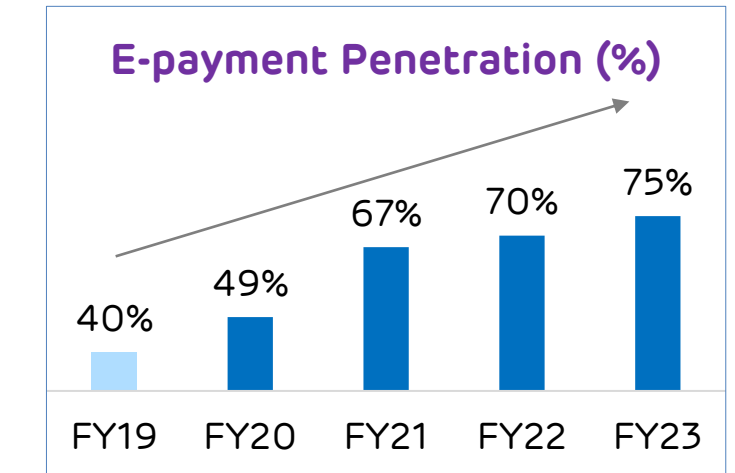
Operating assets at increasing profitability



Best O&M practices → improved supply reliability at 99.99% every year

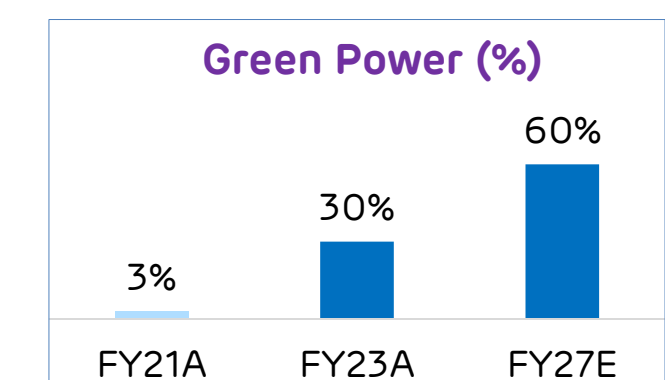


Higher digital penetration among consumers



Sustainability

- Sustainability is a key focus area post-acquisition to transform AEML into a **world class utility**
- AEML signed **700 MW wind-solar hybrid PPA** which increased renewable share from 3% to 30% in FY23
- First time ever **covenanted sustainability linked framework** by a utility in India



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-per-use model” to eradicate arrears
- Reducing working capital requirements



Reduction in Operational costs

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



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



Customer Satisfaction

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



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

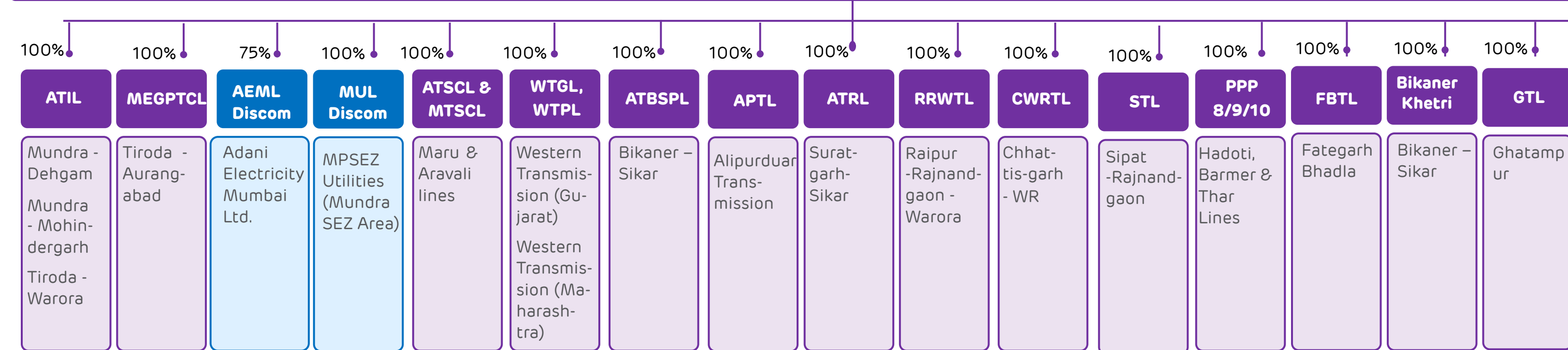


Improved Energy Accounting

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

AESL's Operational Asset Portfolio as of Dec 2023 (1/2)

Adani Energy Solutions Limited



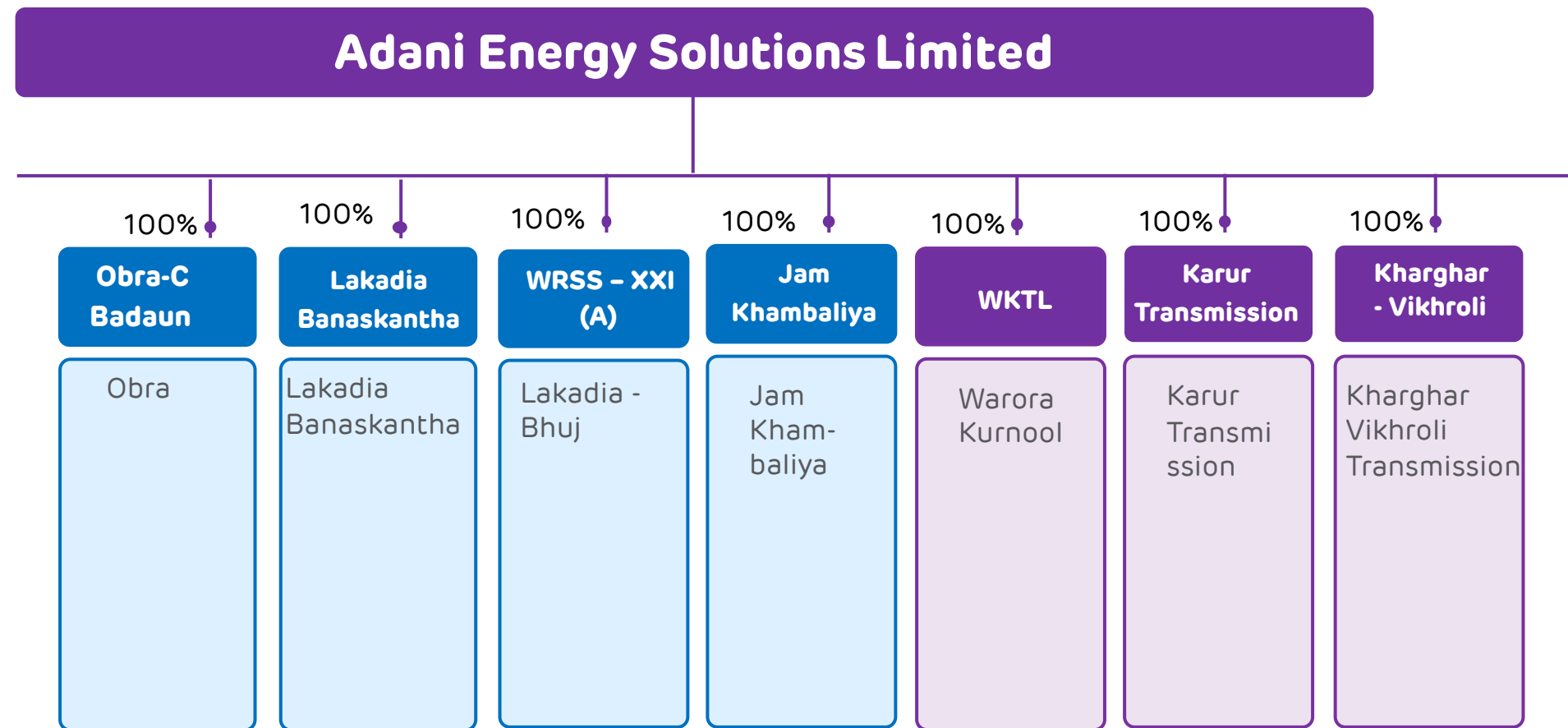
Operating Assets

	ATIL	MEGPTCL	AEML Discom	MUL Discom	ATSCS & MTSCS	WTGL, WTPL	ATBSPL	APTL	ATRL	RRWTL	CWRTL	STL	PPP 8/9/10	FBTL	Bikaner Khetri	GTL	Total
A	3,834 ckms	1,217 ckms	572 ckms	151 ckms	397 ckms	3,063 ckms	343 ckms	650 ckms	278 ckms	611 ckms	434 ckms	348 ckms	413 ckms	292 ckms	481 ckms	897 ckms	➔ 13,981 ckms
B	6,630 MVA	6,000 MVA	3,250 MVA	360 MVA	1,360 MVA	-	-	-	-	-	630 MVA	-	585 MVA	-	-	-	➔ 18,815 MVA
C	c. 27 years	c. 30 years	c. 14 years	c. 11 years	c. 29 years	c. 30 years	c.32 years	c.35 years	c. 33 years	c. 34 years	c. 34 years	c. 34 years	c. 34 years	c. 35 years	c. 35 years	c. 35 years	➔ c. 30 years
D	Regulated return (ROA)	Regulated return (ROA)	Regulated return (ROA)	Regulated return (ROA)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	
E	Centre / State	State	State	State	State	Centre	State	Centre	State	Centre	Centre	Centre	State	Centre	Centre	State	
F	INR 50.3 Bn	INR 59.0 Bn	INR 170 Bn	INR 0.4 Bn	INR 3.9 Bn	INR 16.9 Bn	INR 2.2 Bn	INR 11.4 Bn	INR 1.3 Bn	INR 12.44 Bn	INR 9.3 Bn	INR 5.4 Bn	INR 3.7 Bn	INR 5.8 Bn	INR 8.6 Bn	INR 15.5 Bn	➔ INR 376.1 Bn

- A** Transmission line length
- B** Transformation capacity
- C** Residual concession life / License period
- D** Contract Type
- E** Counterparty
- F** Asset Base⁽¹⁾

Notes: ATIL - Adani Energy Solutions (India) Limited; MEGPTCL - Maharashtra Eastern Grid Power Transmission Co. Limited; AEML: Adani Electricity Mumbai Limited (Distribution business); ATBSPL: Adani Energy Solutions Bikaner Sikar Private Limited; STL - Sipat Transmission Limited; RRWTL - Raipur Rajnandgaon Warora Transmission Limited; CWRTL – Chhattisgarh WR Transmission Limited; ATRL – Adani Energy Solutions (Rajasthan) Limited; ATSCS – Aravali Transmission Service Company Limited; MTSCS – Maru Transmission Service Company Limited, WRSS M – Western Region System Strengthening Scheme Maharashtra, WRSS G – Western Region System Strengthening Scheme Gujarat, (1) Asset base for operational assets as per project cost and Mumbai GTD (AEML) as per Regulated Asset Base

AESL's Operational Asset Portfolio as of Dec 2023 (2/2)



Projects Recently Commissioned

	Obra-C Badaun	Lakadia Banaskantha	WRSS - XXI (A)	Jam Khambaliya	WKTL	Karur Transmission	Kharghar - Vikhroli	Total
A Transmission line length	630 ckms	352 ckms	292 ckms	38 ckms	1,756 ckms	10 ckms	74 ckms	➔ 3,152 ckms
B Transformation capacity	950 MVA	-	3000 MVA	2500 MVA	3000 MVA	1,000 MVA	1500 MVA	➔ 11,950 MVA
C Residual concession life/ License period	35 years	35 years	35 years	35 years	35 years	35 years	35 years	➔ 35 years
D Contract Type	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	
E Counterparty	State	Centre	Centre	Centre	Centre	Centre	State	
F Asset Base ⁽¹⁾	INR 6.9 Bn	INR 8.8 Bn	INR 10 Bn	INR 3.4 Bn	INR 37 Bn	INR 2 bn	INR 13 Bn	➔ INR 81.1 Bn

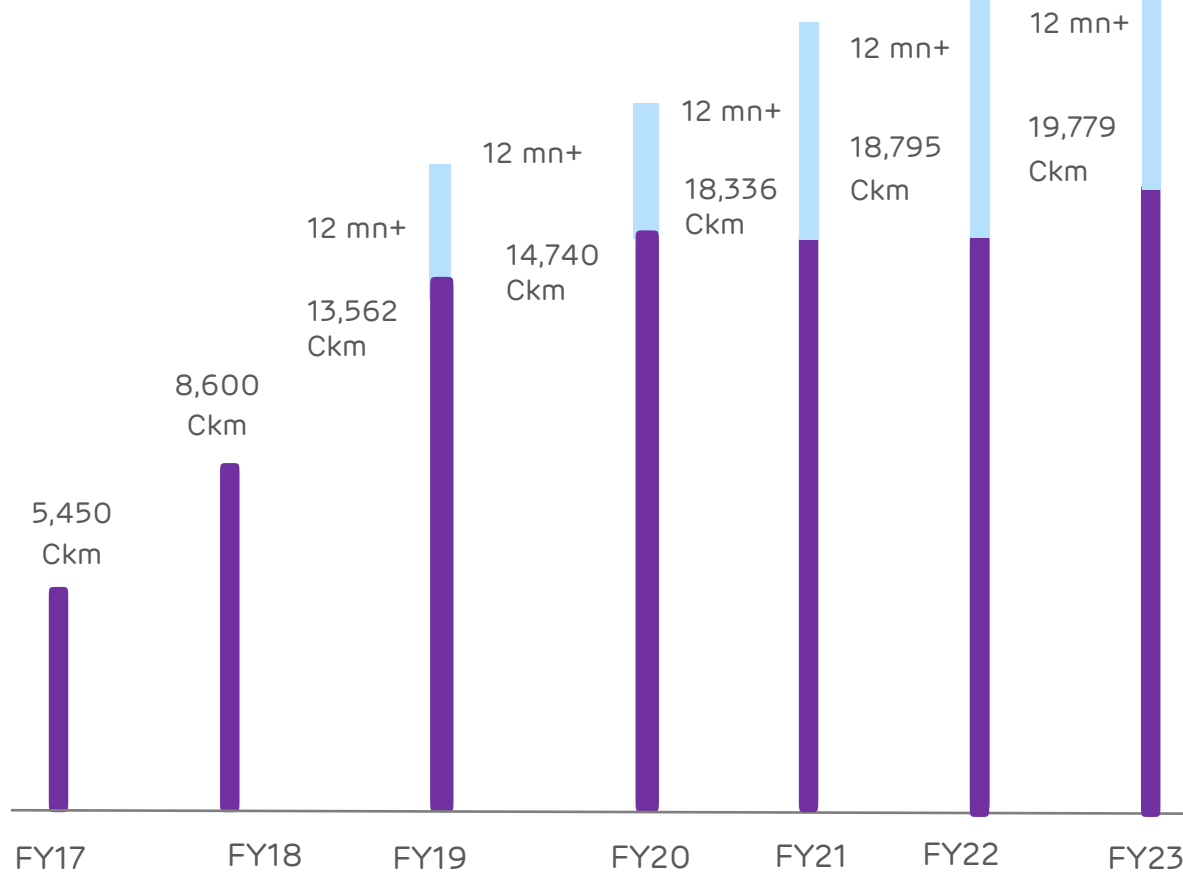
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AESL's Transmission Under-construction Asset Portfolio as of Dec 2023

Since AESL's evolution its Transmission Network (ckms) has grown 3.5x and expanded into Distribution businesses

AESL's "Grid-to-Switch" Integrated Platform

- Transmission Line (Ckms)
- Distribution Customers (mn)



Adani Energy Solutions Limited

100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
NKTL	MP Package II	AEMIL HVDC#	Khavda-Bhuj	WR-SR	KTL	KPS-1	STSL	Khavda - III - A	KPS-1
North Karanpura Transmission System	MP Power Transmission Package-II Ltd	HVDC Mumbai	Khavda Bhuj Transmission (KBTL)	WR SR Transmission (Narendra-Pune Line)	Khavda-II-A Transmission	Khavda Pooling Station 1	Sangod Transmission	Khavda Phase-III Part-A	KPS - 1 (Khavda Pooling Station) Augmentation

Under Construction

	Under Construction									Total	
A	304 ckms	1,087 ckms	80 ckms	217 ckms	630 ckms	355 ckms	42 ckms	15 ckms	560ckms	-	→ 3,290 ckms
B	1,000 MVA	2,736 MVA	1,000 MVA	4,500 MVA	6,000 MVA	-	6,000 MVA	1160 MVA	-	1500 MVA	→ 23,896 MVA
C	35 years	35 years	35 years	35 years	35 years	35 years	35 years	35 years	35 years	35 years	→ 35 years
D	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Regulated Return (ROA)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Fixed tariff (TBCB)	Regulated Return (ROA)	
E	Centre	State	State	Centre	Centre	Centre	Centre	State	Centre	Centre	
F	INR 9.7 Bn	INR 13.6 Bn	INR 70 bn	INR 12 bn	INR 21.1 bn	INR 12.7 bn	INR 8.6 bn	INR 1.6 Bn	INR 27 bn	INR 2 bn	→ INR 178 bn
G	Sept.-22 - July'24	Dec-23	Mar-25	Jan-24	Aug-24	Mar-25	Jan-25	Dec-24	Dec-25	July'25	

- A** Transmission line length
- B** Transformation capacity
- C** Residual concession life / License period
- D** Contract type
- E** Counterparty
- F** Asset base⁽¹⁾
- G** COD⁽²⁾

Notes: 1) Asset base for under-construction assets – as per the estimated project cost as of September 2023; (2) Provisional Commercial Operation Date (COD); NKTL – North Karanpura Transco Limited; GTL: Ghatampur Transmission Limited; OBTL: Obra Transmission Limited; LBTL: Lakadia Bhuj Transmission Limited; JKTL: Jam Khambaliya Transmission Limited; KVTL: Kharghar Vikhroli Transmission Limited; WKTL: Warora Kurnool Transmission Limited
 #AEMIL - Adani Electricity Mumba Infra Limited 100% shares are currently being held by AEMIL. Due to CERC restrictions 51% shares are pledged in favor of AESL

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

Adani Energy Solutions Limited										
100%										
BEST	APDCL	APEPDCL - Phase 1 & 2	APCPDCL - Phase 1 & 2	APSPDCL - Phase 1 & 2	MSEDCL NSC-05	MSEDCL NSC-06	NBPDCL	UPCL		
BEST Smart Metering Ltd. (Mumbai)	NE Smart Metering Ltd. (Assam)	Adani Transmission Step-Seven Ltd. (Andhra Pradesh)	Adani Transmission Step-Seven Ltd. (Andhra Pradesh)	Adani Transmission Step-Seven Ltd. (Andhra Pradesh)	Adani Transmission Step-Six Ltd. (Maharashtra)	Adani Transmission Step-Six Ltd. (Maharashtra)	Adani Energy Solutions Limited (Bihar)	Adani Transmission Step-Eight Ltd. (Uttarakhand)		
Mumbai	Tejpur, Mangaldoi, North Lakhimpur	Srikakulam, Vizianagaram, Visakhapatnam, East Godavari and West Godavari	Krishna, Guntur & Prakasam	Nellore, Chittoor, Kadapa, Anantapuram & Kurnoolam & Kurnool	Bhandup Zone, Kalyan Zone and Konkan Zone	Baramati Zone and Pune Zone	Siwan, Suran, Gopalganj, Vaishali, and Samastipur	Kumaon Region		
Under Construction										
									Total	
A Smart Meters Qty (in million)	1.1	0.8	1.1	1.7	1.3	6.3	5.2	2.8	0.7	➔ 21.1 million
B Contract Value (in Rs Billion)	13.0	8.4	13.0	20.8	18.0	75.9	62.9	31.0	8.1	➔ INR 251 Bn
C Contract Period (months)	120	120	120	120	120	120	120	120	120	➔ 120 months per contract
D Contract Type	DBFOOT	DBFOOT	DBFOOT	DBFOOT	DBFOOT	DBFOOT	DBFOOT	DBFOOT	DBFOOT	
E Month of Award	Sept & Oct'22 (Amendment)	Feb'23	June-Dec'23	June-Nov'23	June-Sept'23	Aug'23	Aug'23	Aug'23	Dec'23	
	1	2	3	4	5	6	7	8	9	

Notes: The Discoms are our customers and AESL is executing these contracts through 100% owned SPVs.; DBFOOT: Design-Build-Finance-Own-Operate-Transfer; BEST: Brihanmumbai Electricity Supply and Transport; APDCL: Assam Power Distribution Company Ltd; APEPDCL: Andhra Pradesh Eastern Power Distribution Co Ltd; APCPDCL: Andhra Pradesh Central Power Distribution Co Ltd; APSPDCL: Andhra Pradesh Southern Power Distribution Co Ltd.; MSEDCL: Maharashtra State Electricity Distribution Company Limited; NBPDCL: North Bihar Power Distribution Company Limited; UPCL: Uttarakhand Power Corporation Limited

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