



Energy Solutions

# Adani Energy Solutions Limited

(Formerly known as Adani Transmission Limited)

Q4FY24 and FY24 Results Presentation

April 2024

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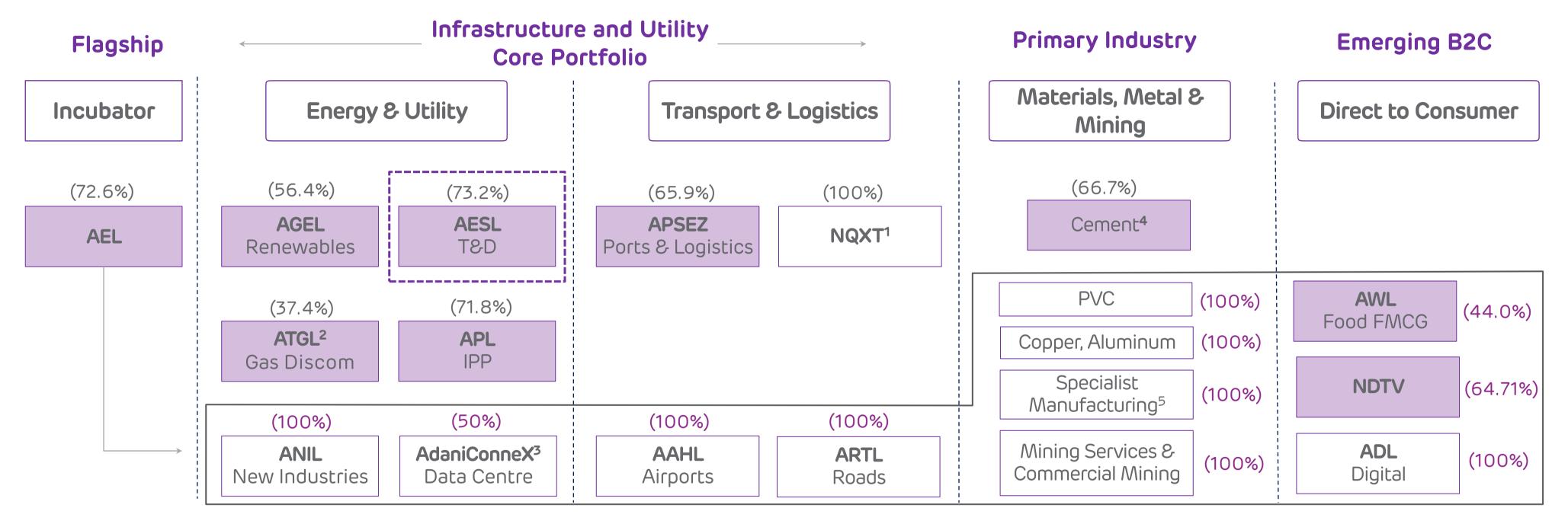




# Adani Portfolio

# Adani: A World Class Infrastructure & Utility Portfolio

adani



(%): Promoter equity stake in Adani Portfolio companies (%): AEL equity stake in its subsidiaries

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

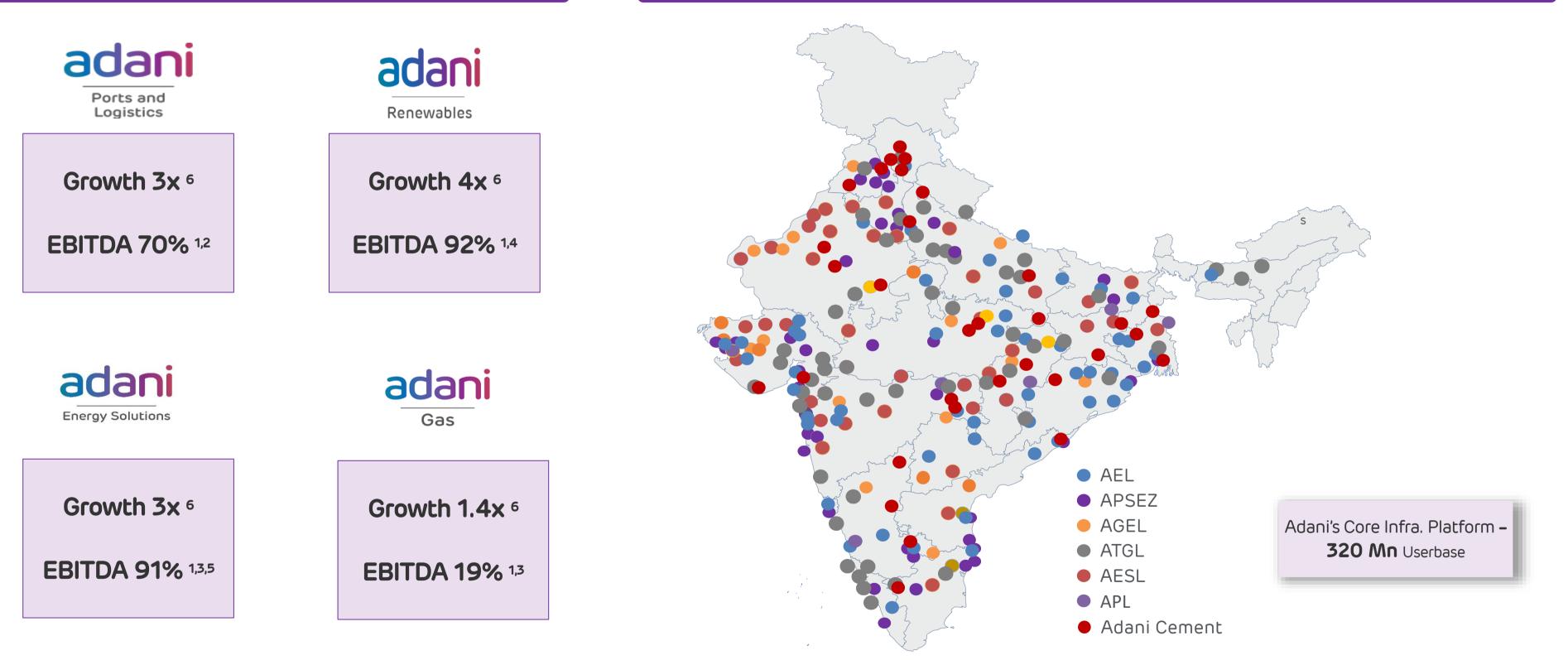
Data as of March 31, 2024. 1. NQXT: North Queensland Export Terminal | 2. ATGL: Adani Total Gas Ltd, JV with EdgeConnex | 4) Cement business includes 66.7% stake in Ambuja Cement which in turn owns 50.05% in ACC Limited. Adani directly owns 6.65% stake in ACC Limited. Ambuja has completed the acquisition of Sanghi Industries and holds 60.4% stake in Sanghi Industries as on 31st Mar'24. 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; 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;



Represents public traded listed verticals

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

### Secular growth with world leading efficiency

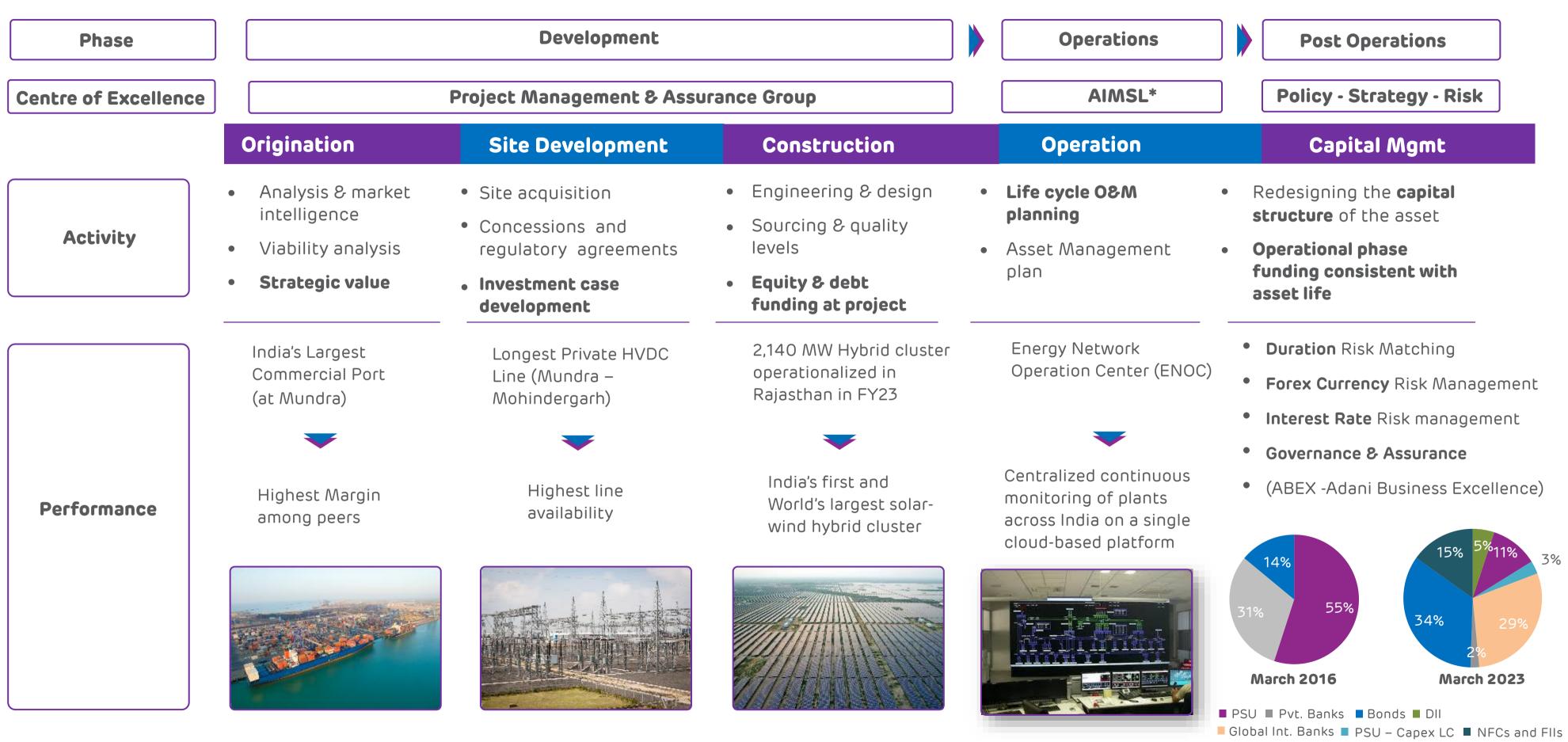


Note: 1. Data for FY23; 2. Margin for Indian ports business only, Excludes forex gains/losses; 3. EBITDA = PBT + Depreciation + Net Finance Costs – Other Income; 4. EBITDA Margin represents EBITDA earned from power supply 5. Operating EBITDA margin of transmission business only, does not include distribution business, 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%). 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 I Growth represents the comparison with respective industry segment.



#### National footprint with deep coverage

# **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 I \*Adani Environmental Resource Management Services Ltd. (additional company is being proposed)



#### adan AESL: A platform well-positioned to leverage growth opportunities in energy domain Energy Solutions

Development

#### **Execution Prowess**

Transmission Network of **20,509 ckm**<sup>(1)</sup> Built Longest Private HVDC Line<sup>(2)</sup>

**Operating Efficiency** 

Robust network availability of 99.6%

One of lowest Distribution losses in

the country (5.29% in FY24 in AEML)

Highest EBITDA margin in the sector

(91% in Transmission)

#### **Strategic Presence**

**Transmission** - Presence in 15 states **Distribution** - Integrated utilities catering to Mumbai (AEML) and Mundra (MUL)

**Smart Meters** - Presence in 5 states

#### **Consumer-centricity**

Supplier of choice for **12 million+** consumers with a green power option

Smart Metering (91 million potential consumer base)

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

Fully funded plan, AESL has raised US\$ 700 mn (US\$ 1.1 bn fully drawn) revolving facility, additional US\$ 2 bn GMTN program in place for AEML Capex program

Capital Management & Value Creation

Operations



Secured primary and secondary equity investments from marquee investors – QIA in AEML in 2019 and GQG Partners in 2023 in AESL

(infusion of US\$ 1,175 million)

Note: 1) Transmission network is as of 31st March 2024 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. 5,987 Cr (US\$ 720 million) for 6.81% stake based on closing price of Rs 1,026.70 dated March 29, 2024

QIA: Qatar Investment Authority, 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

#### **RAB** expansion through Asset Hardening in Discoms

8% CAGR growth in RAB in Mumbai Discom in 5 years (since acquisition)

AEML growth strategy is emulated in MUL

#### Embedded ESG Framework

Decarbonisation of Grid (Achieved 35% RE power as of Mar'24 and on track to reach 60% by FY27)

Installed 3.36 MWp solar capacity for auxiliary consumption at substations

**Board Diversity and Strengthening** 

#### **Construction Framework** Agreement

Significant Growth Potential

Parallel Licensing in Distribution, Smart Metering and Cooling Solutions

Increasing participation in **renewable** grid (e.g.: HVDC Mumbai, Khavda)





# AESL - Executive Summary and Key Focus Areas

# **AESL:** Executive Summary – FY24

#### Operational Update:

#### Transmission business:

- Added 1,244 ckm to operational network during the quarter, with total network at 20,509 ckm
- Maintained robust system availability of 99.6%
- Operationalized Warora-Kurnool, Karur, Kharghar-Vikhroli, and Khavda-Bhuj lines during the year
- During the year, added KPS 1 (Khavda Pooling Station), Sangod Transmission line, Khavda Phase – III, and Line & substation augmentation projects under RTM basis, with a total contract value of Rs ~4300 crore

#### Smart Metering business:

- During the year, received contracts of 21 million meters from Andhra, Maharashtra, Bihar and Uttarakhand DISCOMs
- The under-implementation pipeline now stands at 22.8 million smart meters, comprising nine projects with a contract value of over Rs 27,195 crore

#### AEML Distribution business:

- 9.43% YoY growth units sold 9,916 million units in FY24 vs. 9,062 million units last year on account of uptick in energy demand
- Distribution loss remains low at 5.29% in FY24

#### Financial Update (YoY):

- Consolidated Revenue increased by 17% to Rs 14,217 crore
- Consolidated operational EBITDA grew by 7% to Rs 5,695 crore and total EBITDA at Rs 6,322 crore ended 4% higher
- Comparable PAT grew 12% in FY24 to Rs 1,197 crore
- During the year, the company reported consolidated cash profit (ex one-time) of Rs 3,212 crore



#### Other Key Updates:

- AEML ranked#1 utility (second year in a row) for 2023 in the 12th edition of Integrate Rating of Discoms (a joint study by the MoP, McKinsey, PFC)
- International Rating Agencies Affirms Rating With Upgraded "Stable" Outlook For AESL and AEML issuances
- Excellent Energy Efficient Unit Award in 24th National Award for Excellence in Energy Management 2023 from Confederation of Indian Industry (CII)
- CDP Climate Change 2023 score improves to 'B' from 'D', surpassing the Asia regional average of C driven by environmental transparency and prompt actions on climate change
- ESG score from Sustainalytics improves to 25.3 from 32.8, placing the company amongst the top 20 global electric utilities
- Achieved a solid 'B' rating in the CDP Supply Chain Engagement score above the global average of 'C'
- Secured a 'B' rating in the CDP Water Security 2023 score, underscoring AESL's commitment to effective environmental management
- AEML, was rated 'A' in National Consumer Service Ratings by the Ministry of Power out of the 62 DISCOMs evaluated across India
- AESL won the Global Sustainability Leadership Award 2023 from the World Sustainability Congress for outstanding leadership, commitment to reducing environmental impact, and dedication to promoting sustainable practices

## **AESL:** Key Focus Areas – FY24 and Beyond

### Financial Summary – FY24

- Achieved double digits revenue growth of 17%
- Consolidated Operational EBITDA rose by 7% to Rs 5,695 crore
- Consolidated Comparable PAT increased by 12% to Rs 1,197 crore
- Net debt to EBITDA as of FY24 stands at 3.8x
- Fixed Asset Coverage (Fixed Assets / Net Debt ) as of FY24 stands at 1.8x

### **Robust Capital Management**

- AESL continues to focus on shoring up equity, reducing the cost of debt, and bringing in marguee partners to share global corporate practices (Induction of QIA and GQG as equity partners)
- Continue to diversify debt sources and elongate the maturity profile
- Investment grade ratings remain intact. Strong thrust on the maintenance of the IG rating by constantly improving liquidity ratios, ensuring credit quality (BBB- / Baa3)
- Rating affirmation and outlook revision to stable by Moody's, Fitch and S&P

- meters)

### Integrated ESG Framework with a defined glidepath



### Locked-in Growth and Outlook

AESL well placed to capture future growth through multiple avenues:

Robust under-construction project pipeline of Rs. 170 billion in Transmission segment and Rs 272 billion in Smart Metering segment

Strong growth potential in the Smart Metering business (untapped 125 million

Distribution business: Expansion into newer geographies through parallel license (Navi Mumbai, Greater Noida, Mundra Subdistrict) and RAB expansion opportunity at AEML Mumbai

Annual capex plan of Rs. 50-70 billion in near-to-medium term

Announced commitment to become Net Zero by 2050

Achieved 35% renewable power procurement in FY24. Targeting 60% by FY27

ESG score from Sustainalytics improves to 25.3 from 32.8, placing the company amongst the top 20 global electric utilities

Enhanced resolve and contribution towards SDGs by achieving Zero Waste to Landfill (ZWL), Single Use Plastic (SuP) Free sites, and Net Water Positive Status for all O&M sites by the end of FY24

ESG Rankings: MSCI (2023): BBB; S&P CSA (2023) scored 62/100 vs. a world electric utility average of 34; FTSE (2023): 4/5 (a world utility average of 2.7/5)





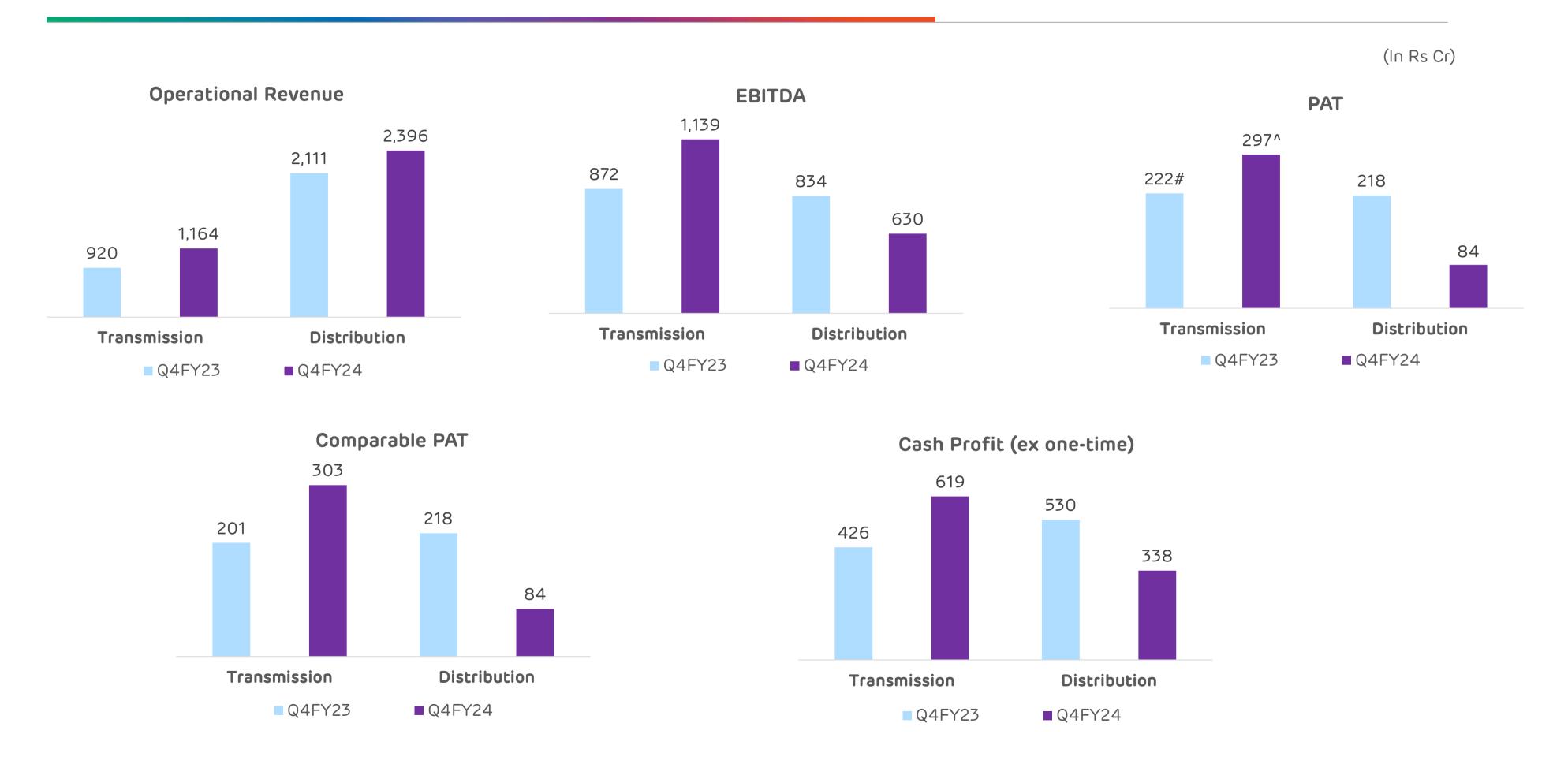
## **AESL:** Consolidated Financial Highlights Q4FY24 YoY



Note: #Includes one-time regulatory income and provision of Rs 21 crores (net-off tax) in Q4FY23 and one-time regulatory income and provision of Rs 210 crores (net-off tax) in FY23. And long the impact from one time income, provision, and tax on dividend income; Total EBITDA = Operating EBITDA plus other income, one-time regulatory income, adjusted for CSR exp.; Cash profit calculated as PAT + Depreciation + Deferred Tax + MTM option loss;)

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# **AESL:** Segment–wise Financial Highlights Q4FY24 YoY

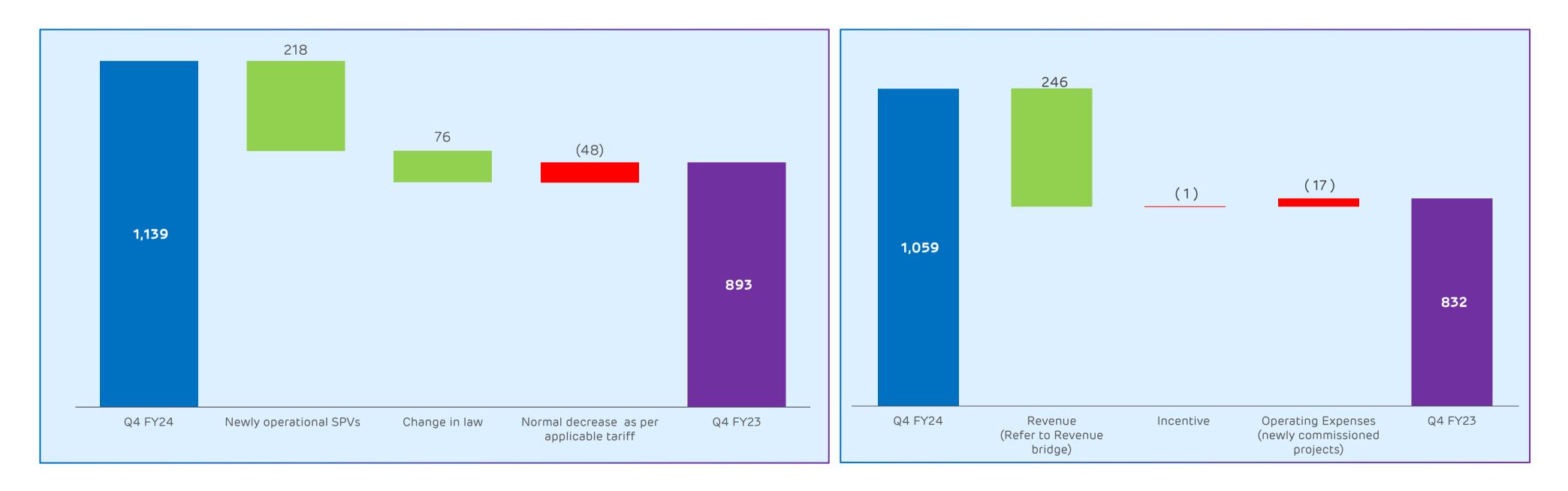


Note: #Includes one-time regulatory income and provision of Rs 21 crores (net-off tax) in Q4FY23 and one-time regulatory income and provision of Rs 210 crores (net-off tax) in FY23. And one-time bilateral charge and provision of Rs 6 crores in Q4FY24 and Rs 1 crores of net impact from one time 13 income, provision, and tax on dividend income; Total EBITDA = Operating EBITDA plus other income, one-time regulatory income, adjusted for CSR exp.; Cash profit calculated as PAT + Depreciation + Deferred Tax + MTM option loss;)



# **AESL:** Transmission Utility - Revenue and Operating EBITDA Bridge Q4FY24 YoY

Revenue (excluding incentive) up 28% supported by revenue contribution from new line elements and regulatory income



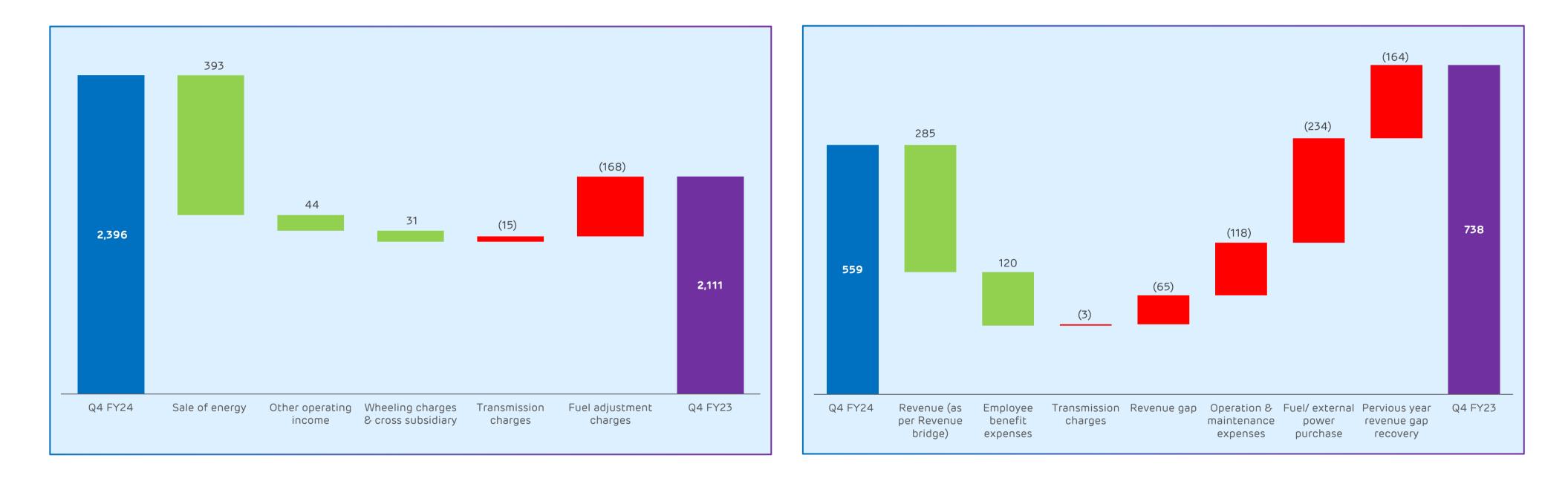


#### (In Rs Cr)

#### Operating EBITDA up 27% driven by strong revenue

# **AESL:** Distribution (AEML+MUL) - Revenue and Operating EBITDA Bridge Q4FY24 YoY

#### Revenue up 14% driven by higher energy demand





#### Operating EBITDA ended 24% lower



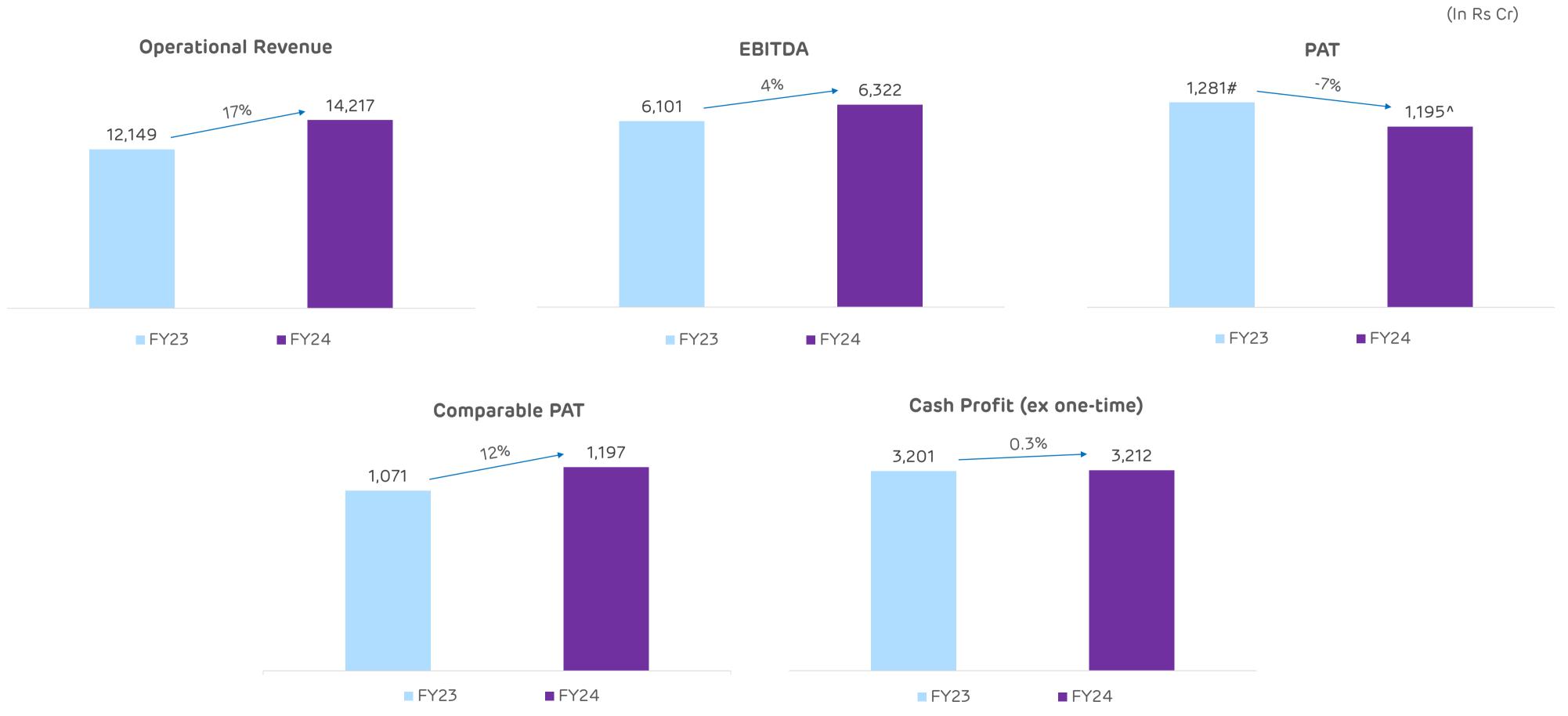






# FY24 Financial Highlights (YoY)

## **AESL:** Consolidated Financial Highlights FY24 YoY

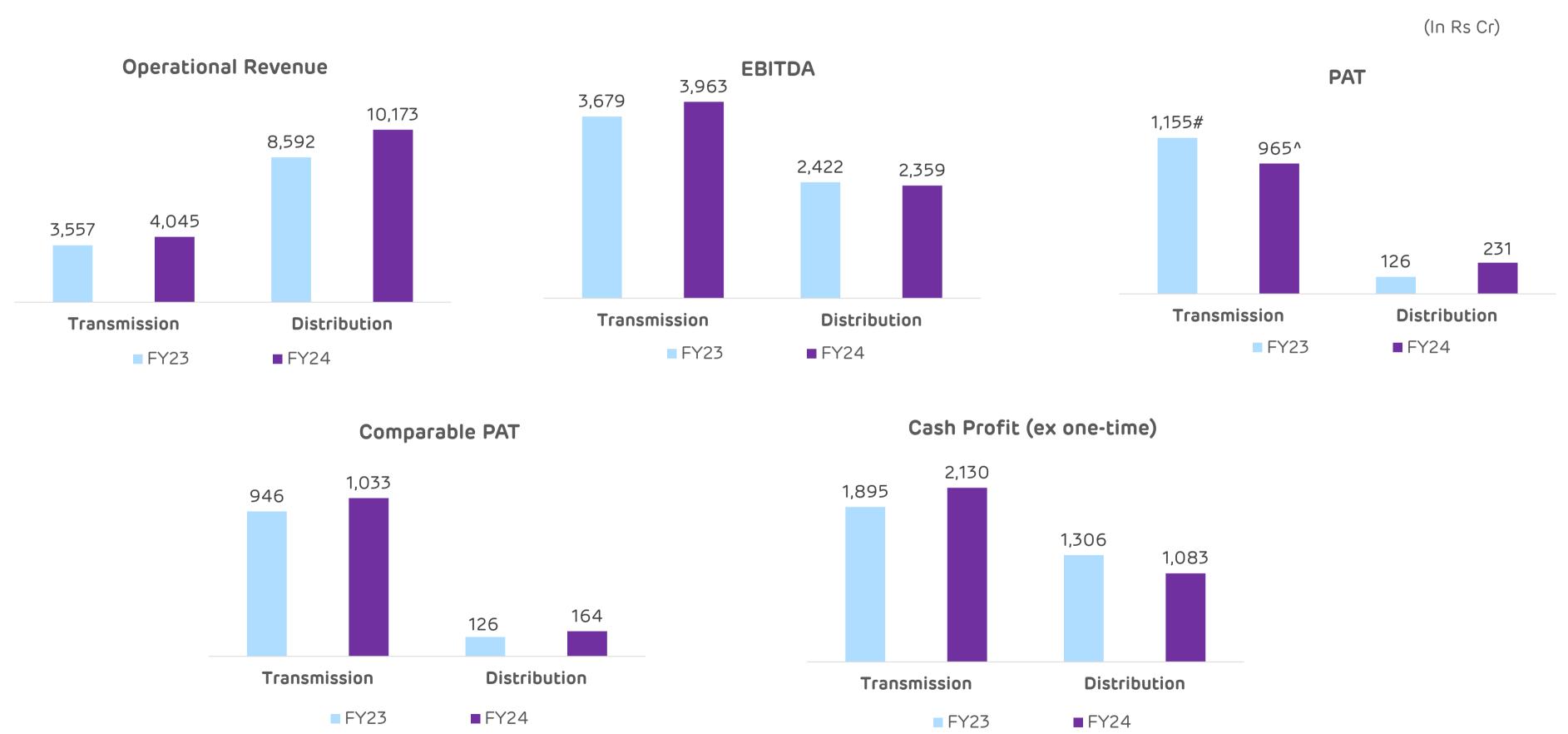


Note: #Includes one-time regulatory income and provision of Rs 21 crores (net-off tax) in Q4FY23 and one-time regulatory income and provision of Rs 210 crores (net-off tax) in FY23; ^Includes one-time bilateral charge and provision of Rs 6 crores in Q4FY24 and Rs 1 crores of net impact from one time income, provision, and tax on dividend income; Cash profit calculated as PAT + Depreciation + Deferred Tax + MTM option loss



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# **AESL:** Segment–wise Financial Highlights FY24 YoY



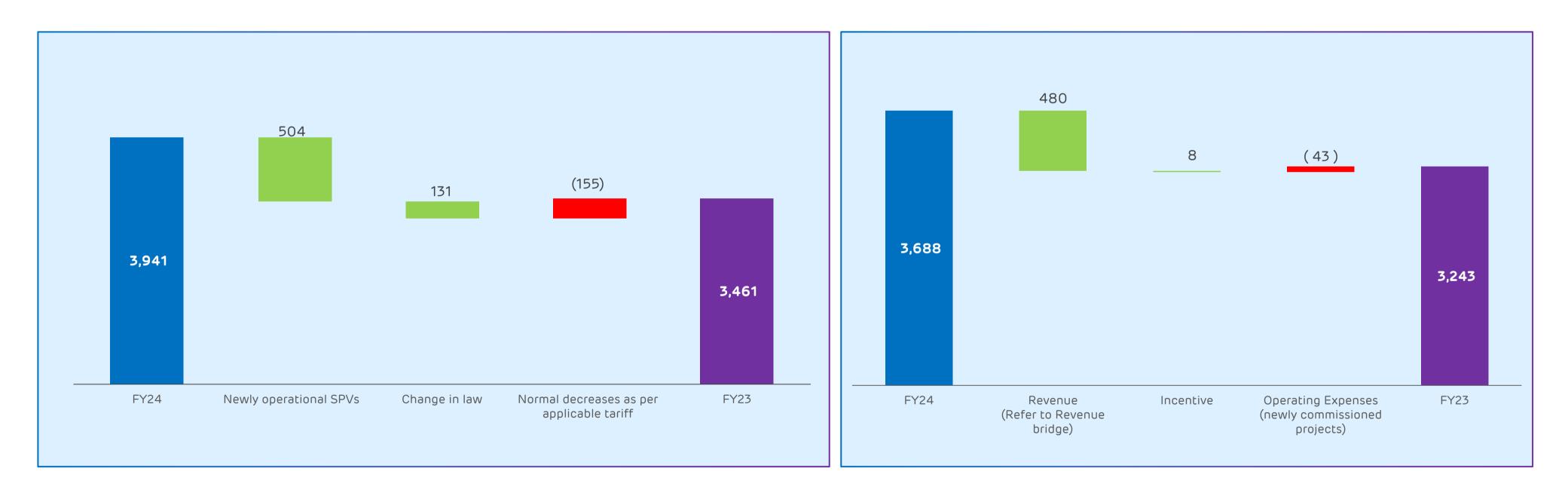
Note: #Includes one-time regulatory income and provision of Rs 21 crores (net-off tax) in Q4FY23 and one-time regulatory income and provision of Rs 210 crores (net-off tax) in FY23; ^Includes one-time bilateral charge and provision of Rs 6 crores in Q4FY24 and Rs 1 crores of net impact from one time income, provision, and tax on dividend income; Cash profit calculated as PAT + Depreciation + Deferred Tax + MTM option loss



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## **AESL:** Transmission Utility - Revenue and Operating EBITDA Bridge FY24 YoY

Revenue (excluding incentive) up 14% supported by revenue contribution from new line elements and regulatory income



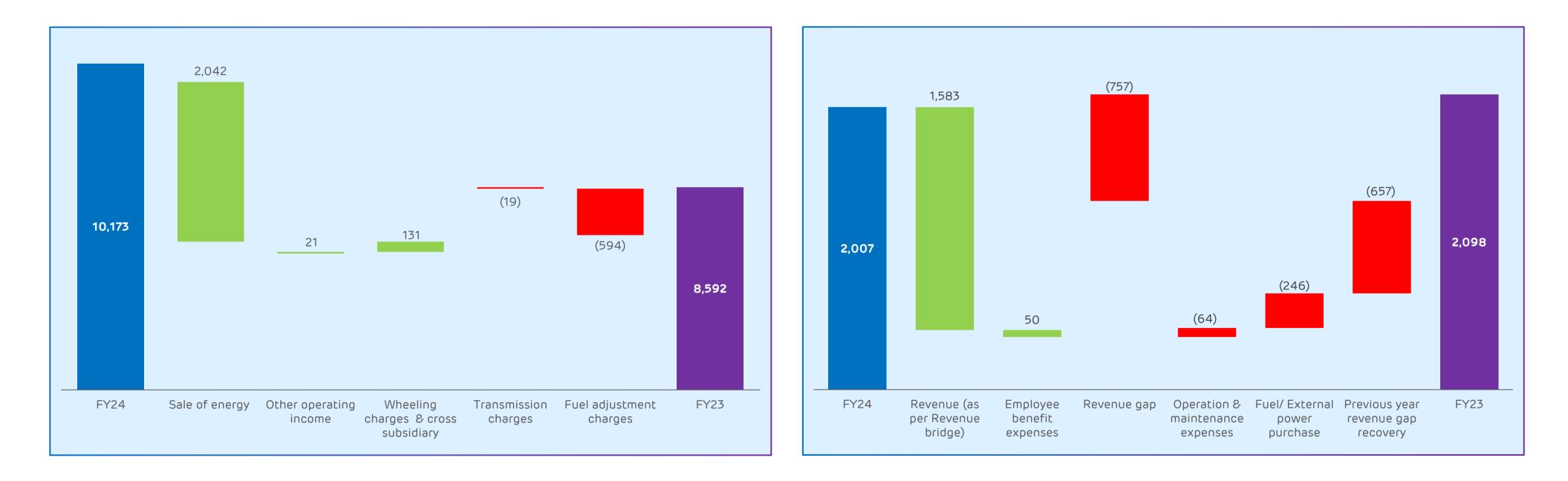


#### (In Rs Cr)

#### Operating EBITDA up 14% driven by strong revenue

# **AESL:** Distribution (AEML+MUL) - Revenue and Operating EBITDA Bridge FY24 YoY

#### Revenue up 18% driven by higher energy demand





#### (In Rs Cr)

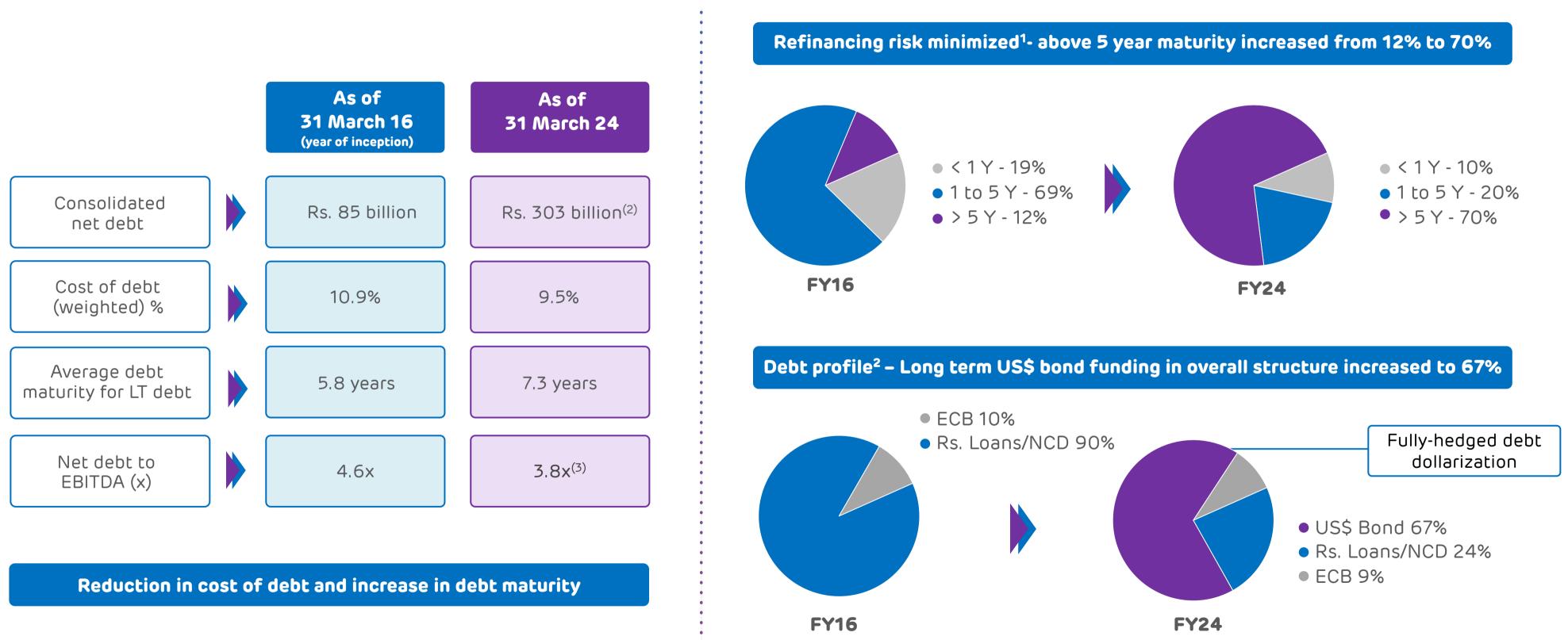
#### Operating EBITDA ended 4% lower





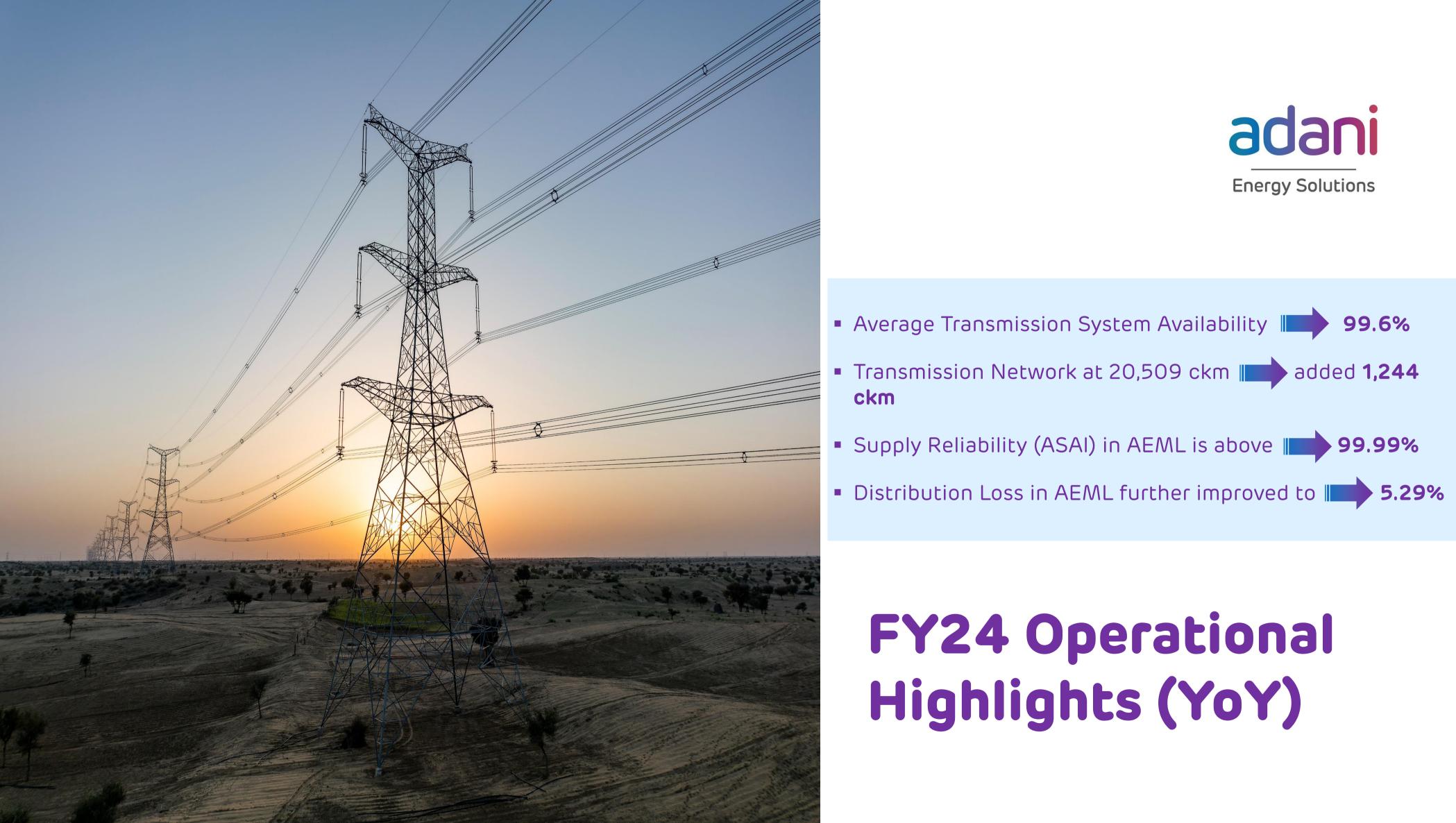
# FY24 - Debt Profile

## **AESL's Capital Management Program** elongates debt maturity and significantly improves credit quality



Notes: 1) Debt maturity in 1 to 5 year bucket is high due to bullet repayment due for Obligor-1 in August 2026 which will be refinanced through amortizing bond; 2) For Net Debt considered long-term debt and short-term debt excluding unsecured sub-debt from shareholder Rs. 2,352 Crs. in FY24; 3) For net debt to EBITDA calculation we have considered long term debt at hedge rate and excluded short-term debt and QIA sub-debt of Rs, 2,352 Cr in FY24

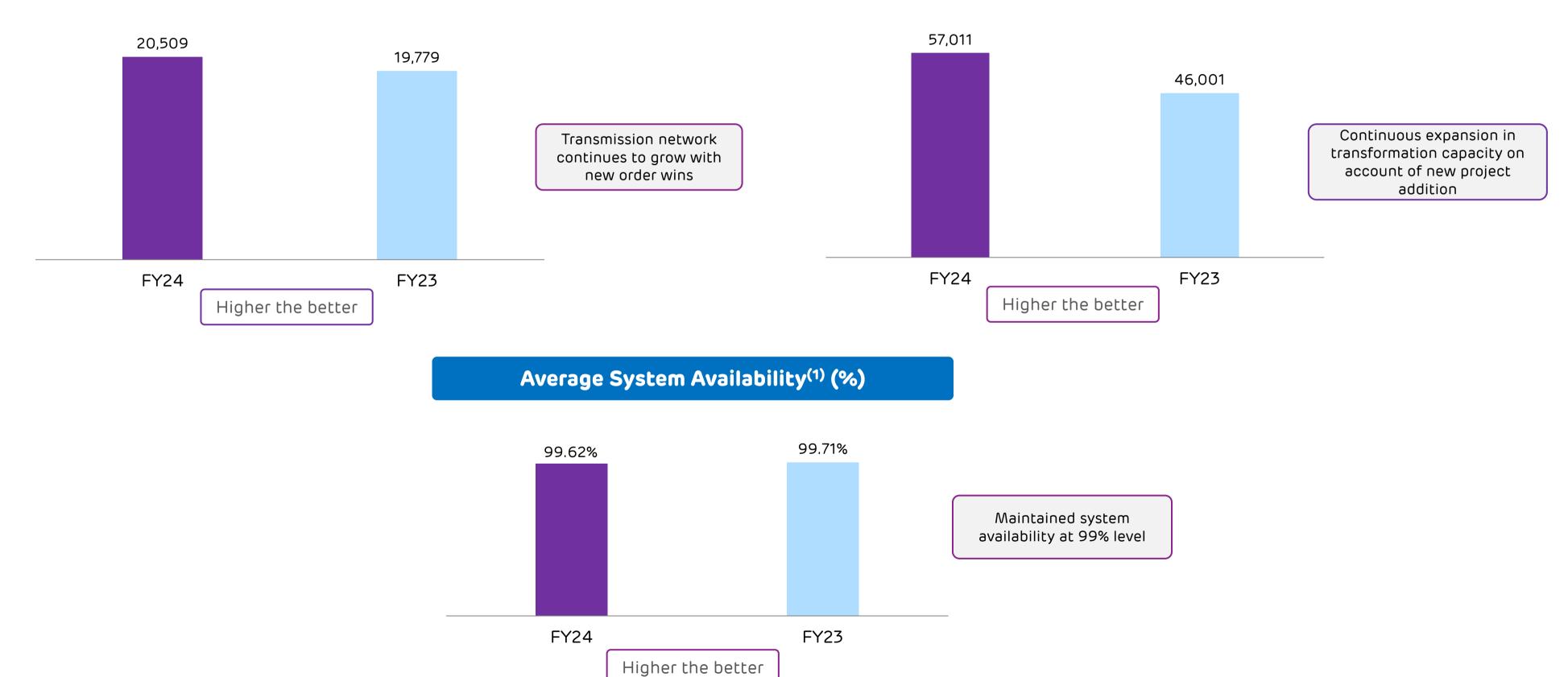






# **AESL:** Transmission Utility – Key Operating Metrics FY24 (YoY)

Transmission Network Length<sup>(2)</sup> (ckm)



Notes: 1) Availability figures are provisional in nature and are subject to change. Average System availability is calculated basis revenue-weighted line availability. 2) Includes Operational and Under-construction projects

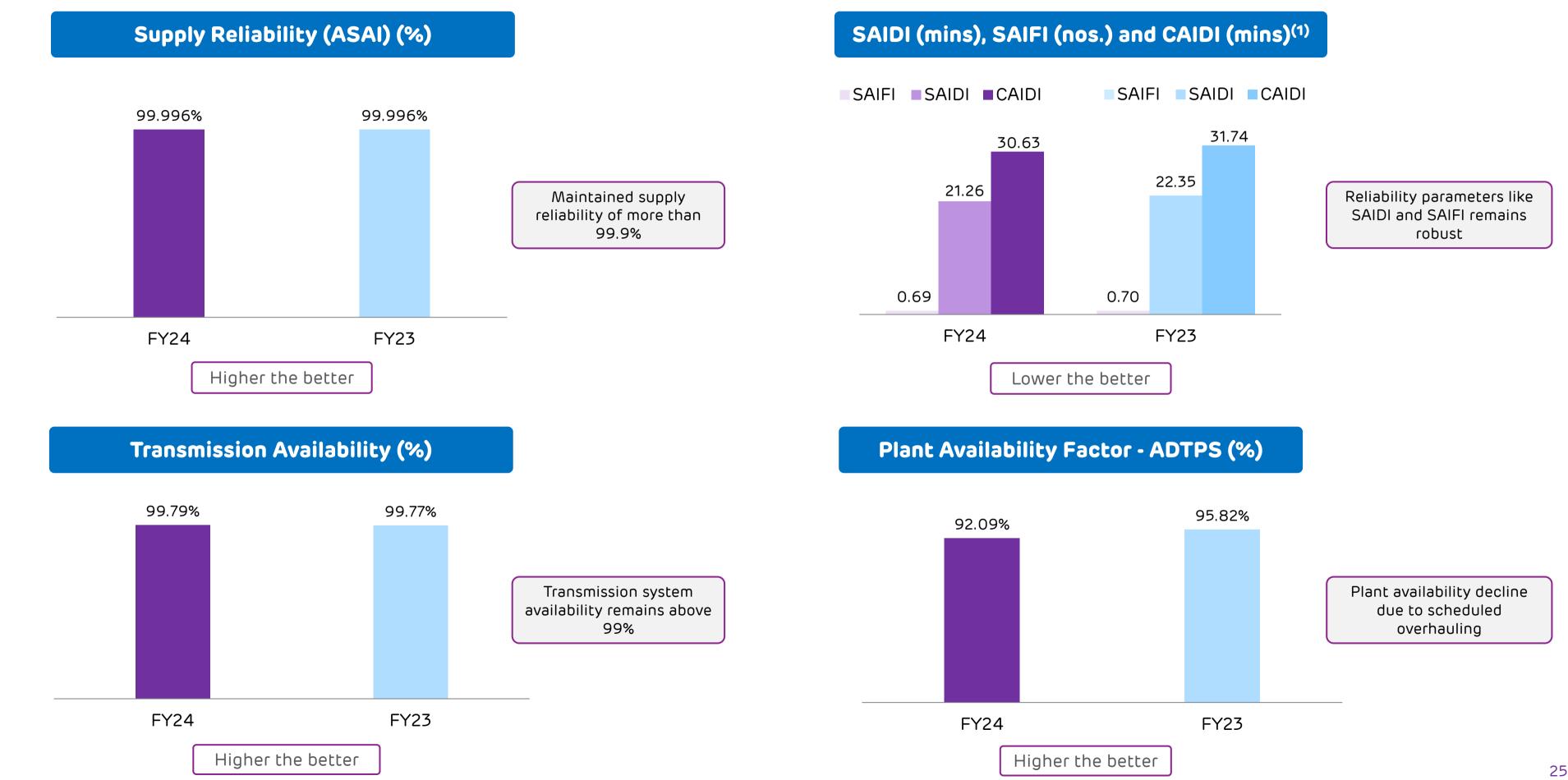




#### Power Transformation Capacity<sup>(2)</sup> (MVA)



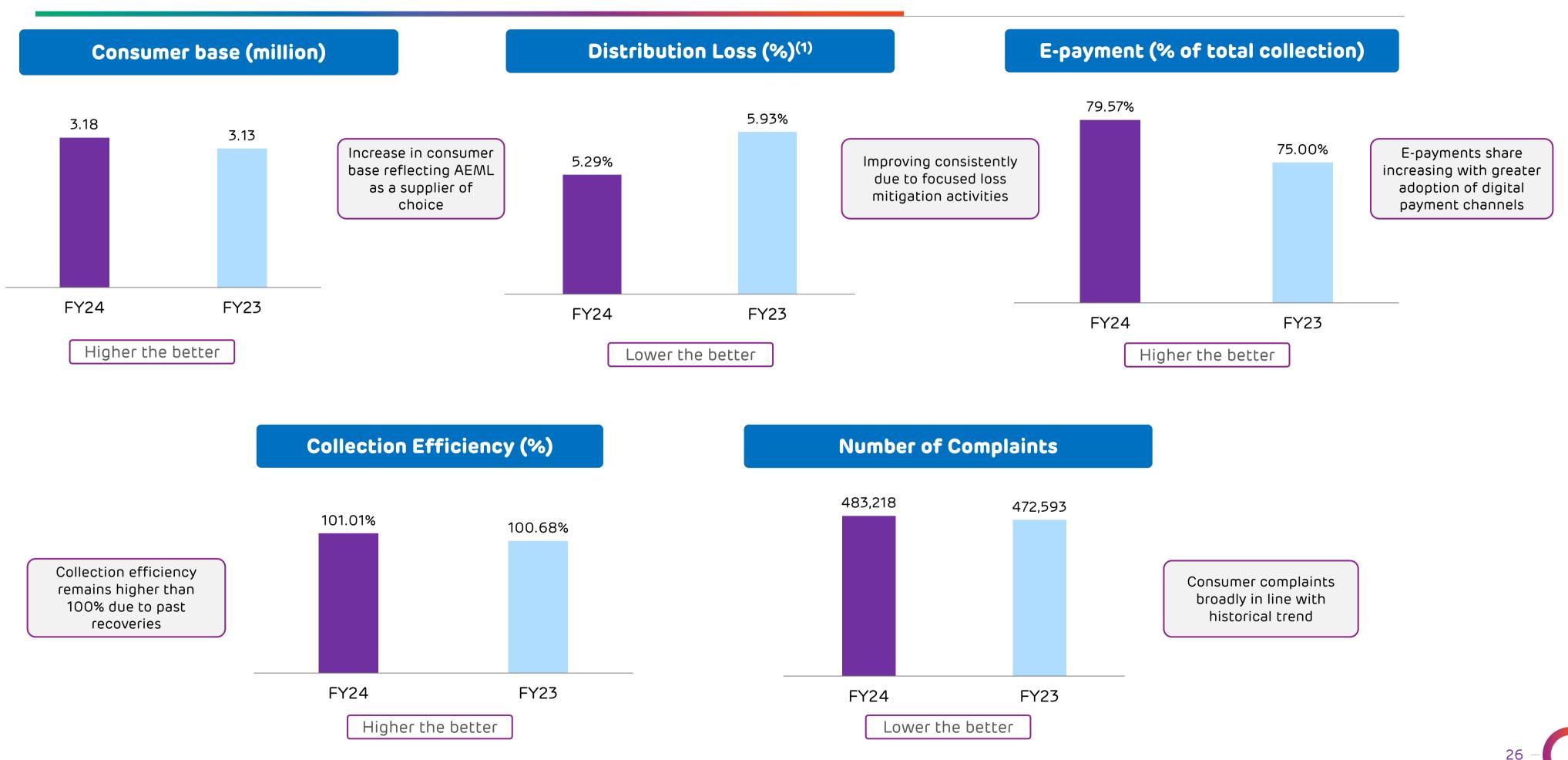
# **AESL:** Distribution Utility (AEML) – Key Operating Metrics FY24 (YoY)



Notes: 1) SAIDI - System Average Interruption Duration Index indicates average outage duration for each customer served, SAIFI - System Average Interruption Frequency Index indicates average number of interruptions, Customer Average Interruption Duration Index (CAIDI): indicates average time required to restore service during a predefined period.



# **AESL:** Distribution Utility (AEML) – Key Operating Metrics FY24 (YoY)



Notes: 1) Distribution loss for FY24 is based on provisional numbers and subject to change as per final reported numbers;



### **AESL** is now certified

- Single Use Plastic (SUP) Free
- Net Water Positive
- Zero-Waste-to-Landfill

### Won the prestigious

- AESL's Sustainalytics ESG score improved to 25.3, positioning the company amongst the top 20 global electric utilities
- CDP Climate Change 2023 score improved to B from D, surpassing Asia regional average of C
- Secured B ratings in the CDP water Security 2023 score

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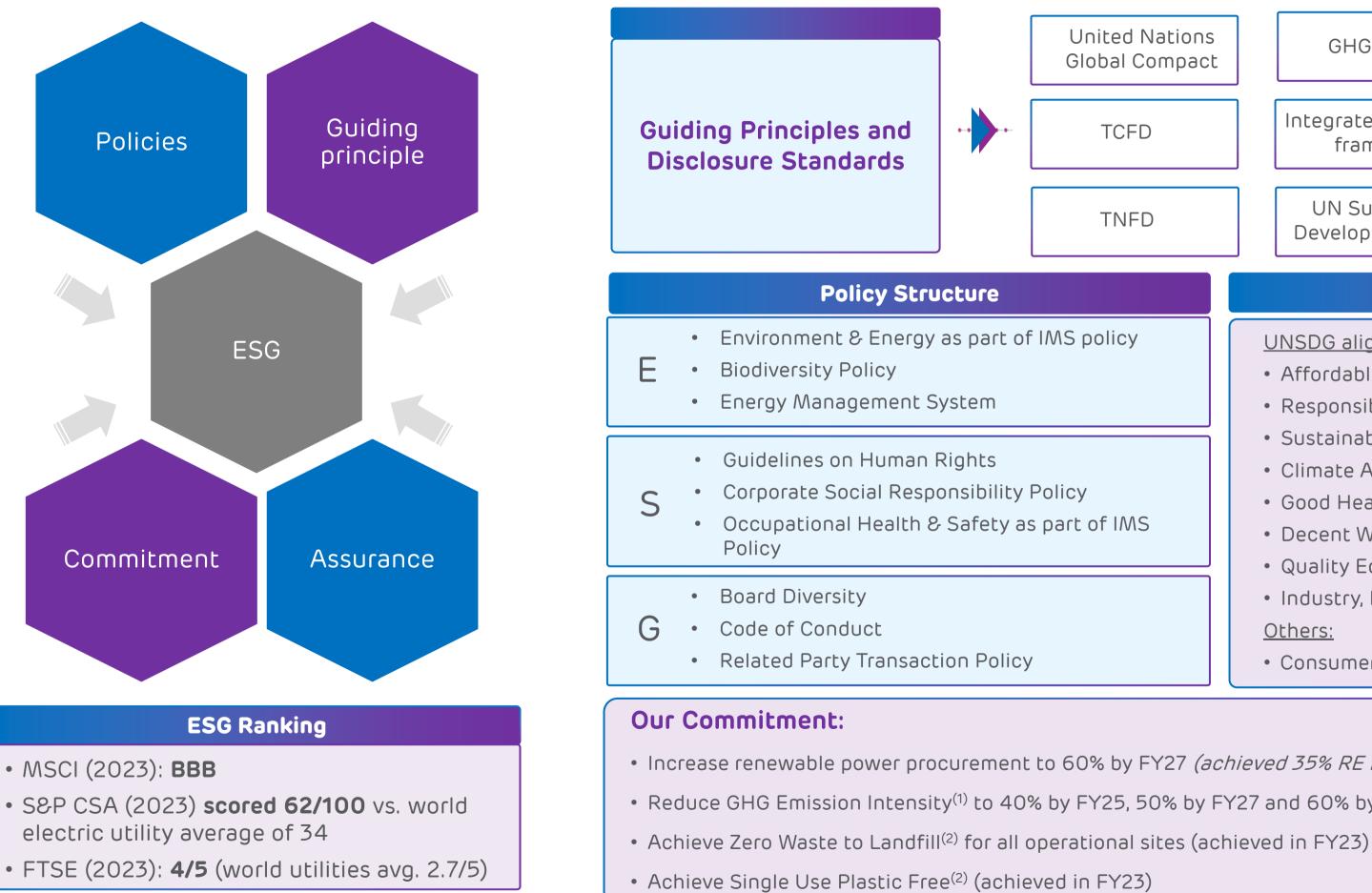
### Continue to maintain

Best-in-class ESG ratings from global rating agencies:

- MSCI ESG Rating of 'BBB'
- DJSI-S&P Global Corporate Sustainability Assessment score of 62/100
- FTSE Score of 4.0/5 (world utilities avg. 2.7/5)

# **AESL - ESG Framework**

## **AESL**: ESG Framework



Notes: 1) GHG Emission Intensity = tCO2 / Rs Cr EBITDA; 2) Confederation of Indian Industry-ITC Centre of Excellence for Sustainable Development (CII-ITC CESD) certified SUP Free status to 37 operational sites of AESL, i.e., 30 substations and 7 transmission line clusters including stores; 3) AEML, being subsidiary of AESL with ~40% of reported EBITDA share, reports disclosures through AESL; 4) AEML is in process to adopt the guiding principles for independent reporting I UNSDG – United Nation Sustainability Development Goals I TCFD - Task Force on Climate-Related Financial Disclosures I TNFD - Taskforce on Nature-related Financial Disclosures I SBTi - Science Based Targets initiative I CDP - Carbon Disclosure Rating GHG – Green House Gas



United Nations Global Compact	GHG Protocol	SBTi	
TCFD	Integrated Reporting framework	CDP	
TNFD	UN Sustainable Development Goals	GRI Standards	
	Focus Are	235	
IMS policy	<u>UNSDG aligned:</u> • Affordable & Clean Energy • Responsible consumption & production		
Policy s part of IMS	<ul> <li>Sustainable Cities and Communities</li> <li>Climate Action</li> <li>Good Health &amp; well being</li> <li>Decent Work And Economic Growth</li> <li>Quality Education</li> <li>Industry, Innovation &amp; Infrastructure</li> <li><u>Others:</u></li> <li>Consumer empowerment</li> </ul>		

• Increase renewable power procurement to 60% by FY27 (achieved 35% RE in Q4FY24) (SDG 7)

• Reduce GHG Emission Intensity<sup>(1)</sup> to 40% by FY25, 50% by FY27 and 60% by FY29 (SDG 13)

# **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	AEML has <b>achieved 35% renewable</b> in power mix as of March 2024	3% FY19	30% by 2023 (achieved 34.5%)	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 (achieved 38.5%)	70% by FY30
Waste Reduction and Biodiversity Management				
- Zero waste to landfill (ZWL)	<ul> <li>Secured ZWL status from Intertek &amp; BVCI</li> <li>Covered all operational sites (substations and TLs) of AESL</li> <li>Achieved landfill diversion rate exceeding 99%</li> </ul>	No certification in FY19-20	To maintain ZWL certi	fication for AESL
- Single use plastic (SuP) free sites	<ul> <li>Attained SUP free status from CII-ITC CESD</li> <li>Covered 37 operational sites of AESL</li> <li>Strengthening alignment with UNSDG 12</li> </ul>	No certification in FY19-20	To maintain SUP certification for AESL	
- India Business Biodiversity Initiative (IBBI) and ensure no net loss to biodiversity	<ul> <li>Signatory to IBBI and submitted first progress report in 2020</li> <li>Afforestation of 441 hectares area in FY21-22</li> </ul>	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> <li>Achieved "Net Water Positive" status for 30 substations and 07 TL clusters under UNSDG 6</li> <li>Carried-out rainwater harvesting feasibility study and implemented water metering across all sites</li> </ul>	No water neutrality in FY 19-20	Enhance Net Water Po status & certification a assets	
Energy Efficiency and Management		·		
- Reduction in auxiliary consumption through solar power	<b>3.362 MWp solar capacity</b> at Mahendragarh, Akola, Koradi, Sami, Morena, Rajnandgaon	Solar capacity of 1.7 MWp in FY19-20	100% auxiliary consumption from renewable sources by 2030	



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# **AESL**: Social Philosophy and Focus Areas

#### **United Nations Sustainable Development Goals 2030** 3 GOOD HEALTH AND WELL-BEING 4 QUALITY EDUCATION 5 GENDER EQUALITY 2 ZERO HUNGER NO Poverty e ocia ſĸŧŧ 6 CLEAN WATER AND SANITATION 8 DECENT WORK AND ECONOMIC GROWTH **9** INDUSTRY, INNOVATION AND INFRASTRUCTURE 10 REDUCED INEQUALITIES Ú ٥ 0 Ξ 11 SUSTAINABLE CITI AND COMMUNITIE 2 RESPONSIBLE CONSUMPTION AND PRODUCT THE GLOBAL GOALS For Sustainable Development 13 CLIMATE ACTION 14 LIFE BELOW WATER 16 PEACE AND JUSTICE STRONGINSTITUTIONS 17 PARTNERSHIPS FOR THE GOALS 15 LIFE ON LAND ×

## Our social

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#### Access to Education



No Poverty
 Quality Education

#### **Community Health**



3. Good Health & Well Being

#### Women's Empowerment

- 2. Zero Hunger
- 5. Gender Equality
- 8. Decent Work & Economic Growth

# 8 BECENT WORK AND

#### Sustainable Livelihood

2. Zero Hunger 8. Decent Work & Economic Growth

#### Ecology

7. Affordable and Clean Energy

- 13. Climate Action
- 14. Life Below Water
- 15. Life on Land

#### Water Secure Nation

6. Clean Water and Sanitation







#### Social licensing to operate at various locations with a goal to improve quality of life imperatives

Notes: 1. Adani Foundation leads various social initiatives at Adani Group; ASDC: Adani Skill Development Centre; Swachhagraha: a movement to create a culture of cleanliness; SuPoshan: A movement to reduce malnutrition among children



nit	iatives are mappe	d to UNSDG 2030
	Tiroda, Dahanu and Sami village	<ul> <li>Physical infrastructure and e-learning platform in rural areas</li> <li>Educational Kits (2830 students benefited) &amp; School Uniforms to Anganwadi children (5780 students benefited)</li> <li>Education &amp; awareness in areas of Cleanliness and Safety (1900 Schools Covered)</li> </ul>
	Multiple locations	<ul> <li>Distribution of Dura Oxygen Cylinders to various hospitals in Dahanu Taluka for medical treatment of COVID patients</li> <li>Infrastructure development of two vaccination centers enhance Covid vaccination drive : &gt;17 K vaccination done at the two centers</li> </ul>
	Dahanu and Mumbai	<ul> <li>Saksham: Skill development of women through social program through National Skill Training Institute (Women)</li> <li>Inducted first ever All Women Team of meter readers</li> <li>Sanginis: Identifying and nurture women as a change agent in rural hamlets; developed 123 Sanginis till date</li> </ul>
K AND Iowth 7	Dahanu	<ul> <li>Provide support for livelihood for landless laborers In association with NABARD covering 11 villages of Dahanu and 1,000 land-owning families</li> </ul>
	Mumbai and Dahanu	<ul> <li>AEML has achieved 35% renewable in power mix in March 2024</li> <li>Plantation of mangroves (&gt;20 Mn cumulative)</li> <li>&gt;50% open area converted in green land</li> </ul>
	Multiple locations	<ul> <li>Drinking water filtration plant at Agwan village of capacity 5m3/hr, where around 5,500 people benefited</li> <li>Rain-water harvesting and Borewell for increasing ground water table</li> </ul>

# **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	<ul> <li>Women as a percentage of new hires and total workforce (%)</li> <li>Mapping &amp; Disclosure of Regional &amp; ethnic diversity</li> <li>Mapping &amp; Disclosure of inclusiveness</li> </ul>	<ul> <li>New Hire: 5 %</li> <li>Total Workforce: 5%</li> <li>Regional &amp; Ethnic diversity: NO mapping</li> </ul>	<ul> <li>New Hire: 10%</li> <li>Total Workforce: 6%</li> <li>Regional &amp; Ethnic diversity: 100% mapping</li> </ul>
Human Rights	Training on human rights	<ul> <li>Employees trained in human rights (%)</li> <li>Security Personal trained in human rights (%)</li> <li>Due diligence of business &amp; value chain</li> </ul>	-	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 (%)	<ul> <li>Spend on local suppliers against the total procurement budget (%)</li> <li>Due diligence of supply chain</li> </ul>	99.4 % (FY 20-21)	Maintain FY21 Performance
Procurement	Supplier screening on ESG metrics	Suppliers screened on ESG criteria (%)	100% (Critical New Suppliers)	100% (Critical All Suppliers)



# **AESL**: Governance Philosophy and Focus Areas

Pol	ici	66
FUI		62

- Environment Policy covered in BR Policy
- Water Policy
- **Bio-diversity Policy**
- Due –diligence for CoC, HR, ESG etc •



- Corporate Responsibility Committee
- Risk Management Committee

- Corporate Social Responsibility Policy
- Occupational Health and Safety Policy
- Human Rights covered in BR policy



- Corporate Social Responsibility Committee
- Stakeholder Relationship Committee

- Related Party Transaction Policy •
- Dividend Distribution and Shareholder • Return
- Nomination and Remuneration •
- Code for Fair Disclosure of UPSI •



- Audit Committee (100% independent directors)
- independent directors)
- Risk Management committee
- Info tech and data security committee

#### Enabling board backed assurance leading to lower risk to stakeholders



#### Committees

#### Assurance

Nomination and Remuneration Committee (100%

### Corporate Responsibility Committee

Established "CRC" to provide assurance for all ESG commitments comprising of 100% Independent directors

# **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	<b>% of women directors in board improved to 28.5%</b> (2 of 7 board members)
Board Independence	Great Board Independence and Improved Disclosures	<ul> <li>Improve board strength and independence</li> <li>Incorporate non-statutory committees</li> <li>Enhance disclosures in board &amp; committee meetings</li> </ul>	<ul> <li>6 directors as of FY21</li> <li>Only statutory committees as of FY21</li> </ul>	<ul> <li>Board now comprises of total 7 directors with 4 (58%) independent directors</li> <li>Enhanced disclosures through formation of new committees with min. 50% IDs (CRC, RMC, PCC, IT &amp; Data Security)</li> <li>Committees chaired by Independent Directors (Audit, NRC, STC)</li> </ul>
Code of Conduct	Corruption and Bribery Cases	<ul> <li>Number of Corruption cases and Bribery and Associated Risks</li> <li>Adoption of Anti Corruption and Bribery Policy</li> <li>% of Governance body members and employees trained on anti-corruption</li> </ul>		<ul> <li>Company Adopted Anti Corruption and Bribery Policy</li> <li>Zero Case on Corruption and Bribery</li> <li>Identification and Assessment of risks</li> <li>Yearly DD for CoC for board, employees, suppliers &amp; ABAC policy</li> </ul>
Anti-competitive Practices	Fines and Settlements	<ul> <li>Fines or settlements paid related to anti- competitive business practices (INR)</li> </ul>	Zero as of FY21	<ul> <li>Zero in FY23 and beyond</li> <li>Yearly ABAC due diligence</li> </ul>
Customer orientation and satisfaction	Consumer Satisfaction	<ul> <li>Affordable tariffs</li> <li>Service reliability</li> <li>Sustainable power</li> </ul>	<ul><li>loss reduction</li><li>CSAT surveys</li></ul>	<ul> <li>Competitive tariff through RE power</li> <li>Option to switch to Green power tariff</li> <li>Advanced metering implementation for 12 million consumers</li> </ul>
Corporate Governance Standing	ESG Ratings	Improvement in ratings through improved disclosures and adoption of best practices	(2022); • FTSE: 3 3/5	<b>Target 2023-24:</b> 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



# AESL: Enhanced Safety Culture

	Safety Initiatives During Q4FY24		
•	Safety training: 31,465 man-hours of safety training and awareness during Q4FY24		
•	Positive Safety Culture:	\$	Sat
	$\circ$ Mechanical Lifting Campaign (UPKARAN) was conducted at various project sites	1	Ne
	<ul> <li>Observance of National Safety week and Road Safety month</li> </ul>		(A۱
	<ul> <li>Organized the 'Rescue System &amp; Management' and 'URJA' campaign on 5E Model (Exposure, Enable, Educate, Equip and Ensure)</li> </ul>		Su Dia
	$\circ$ Group safety audit was conducted at AEML project sites	1	LTI
	<ul> <li>Conducted 'Train the Trainer' program covering safety areas such as safety interaction, material handling, electrical safety, warehouse safety and prestart up safety review</li> </ul>		Fal
	<ul> <li>Executed quarterly safety performance assessments for O&amp;M and project contractors at all project sites</li> </ul>	l	LTI
•	<b>'Sampark'</b> – An outreach program for AEML customers to understand their safety and commercial concerns	l	LTI
•	<b>'Saksham'</b> - Mandatory Contractor Workmen Incubation & Induction Program was conducted at various sites to enhance training effectiveness. Trained 1,258 contract workers and employees across the project sites	( ) }	Sat





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; \*LTI SR improved significantly on a YoY basis dure to zero fatality



### Safety Performance in Q4FY24

	Transmission		Distributi	on (AEML)
afety Parameters	Q4FY24	Q4FY23	Q4FY24	Q4FY23
ear Miss Reporting Awareness)	787	1,708	1,507	1,966
uraksha Samwad (Safety ialogue)	1,665	2,758	2,421	3,477
ГІ	0	0	3	3
atalities	0	0	0	0
TIFR (LTI Frequency Rate)	0	0	0.54	1.39
TI (LTI Severity Rate)	0	0	9.38*	474.99
afety training (in Man-Hours)	21,395	41,707	10,070	9,818







# AESL: Recent Business Updates

CDP Climate Change 2023 score improves to B, surpassing the Asia regional average of C driven by environmental transparency and prompt actions on climate change	ESG score from Sustainalytics improves to 25.3 from 32.8, placing the company amongst the top 30 global utilities	The share of renewable power supplied to the Mumbai circle stands at 35% at the end of March 31, 2024, and on track to achieve 60% by FY27
AEML ranked#1 utility (second year in a row) for 2023 in the 12th edition of Integrated Rating of Discoms (a joint study by Ministry of Power, McKinsey, Power Finance Corporation)	AEML, was rated 'A' in National Consumer Service Ratings by the Ministry of Power out of the 62 DISCOMs evaluated across India	Achieved a solid 'B' rating in the CDP Supply Chain Engagement score above the global average of 'C'
Excellent Energy Efficient Unit Award in 24th National Award for Excellence in Energy Management 2023 from Confederation of Indian Industry (CII)	Secured a 'B' rating in the CDP Water Security 2023 score, underscoring AESL's commitment to effective environmental management	International Rating Agencies Affirms Rating With Upgraded "Stable" Outlook For AESL and AEML issuances









# AESL and AEML Credit Ratings

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

SP\	/ R	at	in

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

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-/Stable			
S&P	Dollar Bond (US\$ 1 bn)	BBB-/Stable			
Moody's	Dollar Bond (for both)	Baa3/Stable			

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	А	Stable
ATBSPL	India Ratings	AA	Stable
FBTL	CARE	AA	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
ATSOL	India Ratings	AA+	Negative
MPTPL	India Ratings	A2+	-



#### ngs - Domestic

# AESL's Operational Asset Portfolio as of March 2024 (1/2)

100%	100% •	75%	100%	100%	100%	100%•	100%	100%	100%	100%	100%	100%	100%	100%	100%	-
ATIL	MEGPTCL	AEML Discom	MUL Discom	ATSCL & MTSCL	WTGL, WTPL	ATBSPL	APTL	ATRL	RRWTL	CWRTL	STL	PPP 8/9/10	FBTL	Bikaner Khetri	GTL	
Mundra - Dehgam Mundra - Mohin- dergarh Tiroda - Warora	Tiroda - Aurang- abad	Adani Electricity Mumbai Ltd.	MPSEZ Utilities (Mundra SEZ Area)	Maru & Aravali lines	Western Transmis- sion (Gu- jarat) Western Transmis- sion (Ma- harash- tra)		Alipurdua Trans- mission	Surat- garh- Sikar	Raipur -Rajnand- gaon - Warora	Chhat- tis-garh - WR	Sipat -Rajnand- gaon	Hadoti, Barmer & Thar Lines	Fategarh Bhadla	Bikaner – Sikar	Ghatamp ur	
						Operating A	Assets									Tot
3,834 ckms	1,217 ckms	573 ckms	237 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	<b>1</b> 4,0
6,630 MVA	6,000 MVA	3,250 MVA	710 MVA	1,360 MVA	-	-	-	-	-	630 MVA	-	585 MVA	-	-	-	<b>19,1</b>
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
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)	
Centre / State	State	State	State	State	Centre	State	Centre	State	Centre	Centre	Centre	State	Centre	Centre	State	
Centre / State	State	State	State	State	Centre	State	Centre		Centre	Centre INR 9.3 Bn	Centre	State	Centre	Centre INR 8.6 Bn	State INR 15.	



**B** Transformation capacity

C Residual concession life / License period





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; RRWLT - Raipur Rajnandgaon Warora Transmission Limited; CWTL - Chhattisgarh WR Transmission Limited; ATRL - Adani Energy Solutions (Rajasthan) Limited; ATSCL - Aravali 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



F Asset Base<sup>(1)</sup>

# **AESL's** Operational Asset Portfolio as of March 2024 (2/2)

A

В

**C** 

D

Ε

F



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; RRWLT - Raipur Rajnandgaon Warora Transmission Limited; CWTL - Chhattisgarh WR Transmission Limited; ATRL - Adani Energy Solutions (Rajasthan) Limited; ATSCL - Aravali 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

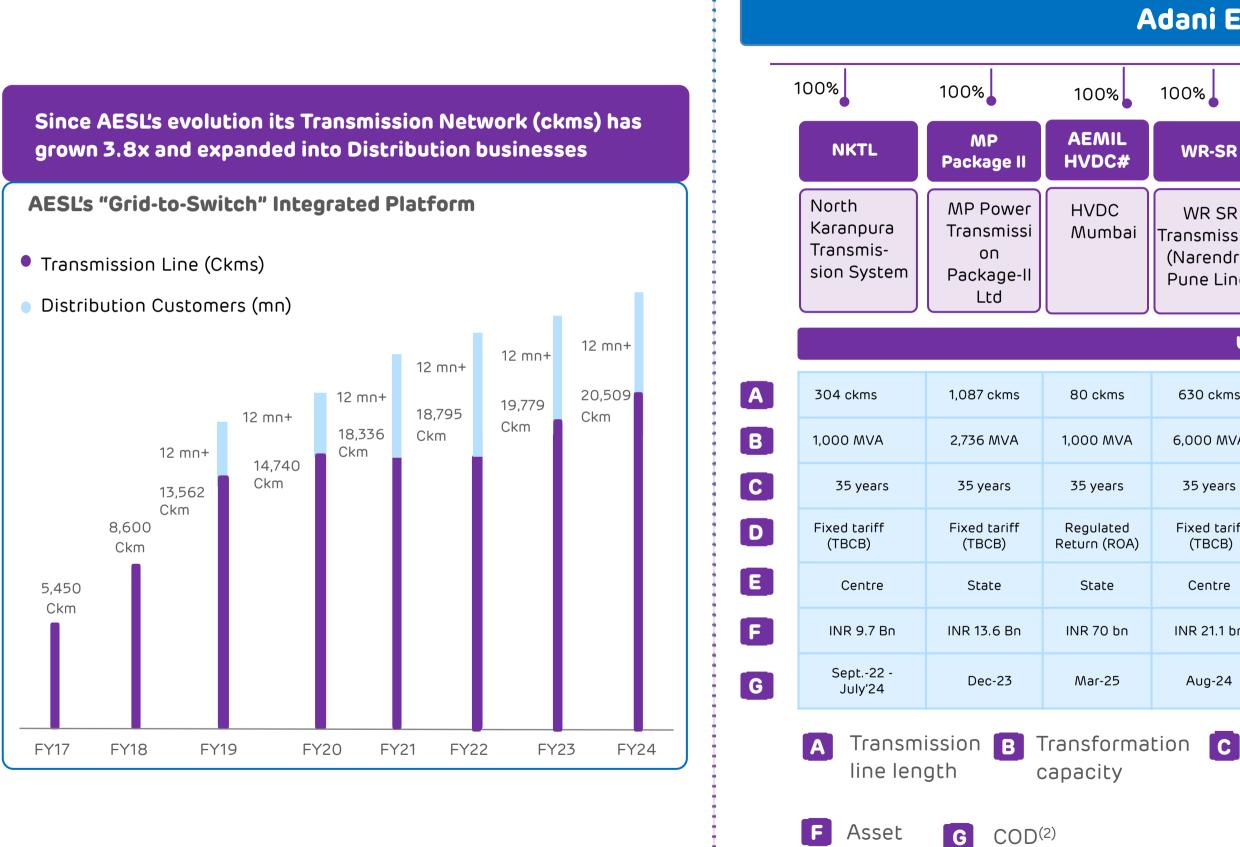


Total

- 3,369 ckms
- ➡ 16,450 MVA
- **35** years

40

# **AESL's** Transmission Under-construction Asset Portfolio as of March 2024



Notes: 1) Asset base for under-construction assets - as per the estimated project cost as of March 2024; (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

base<sup>(1)</sup>

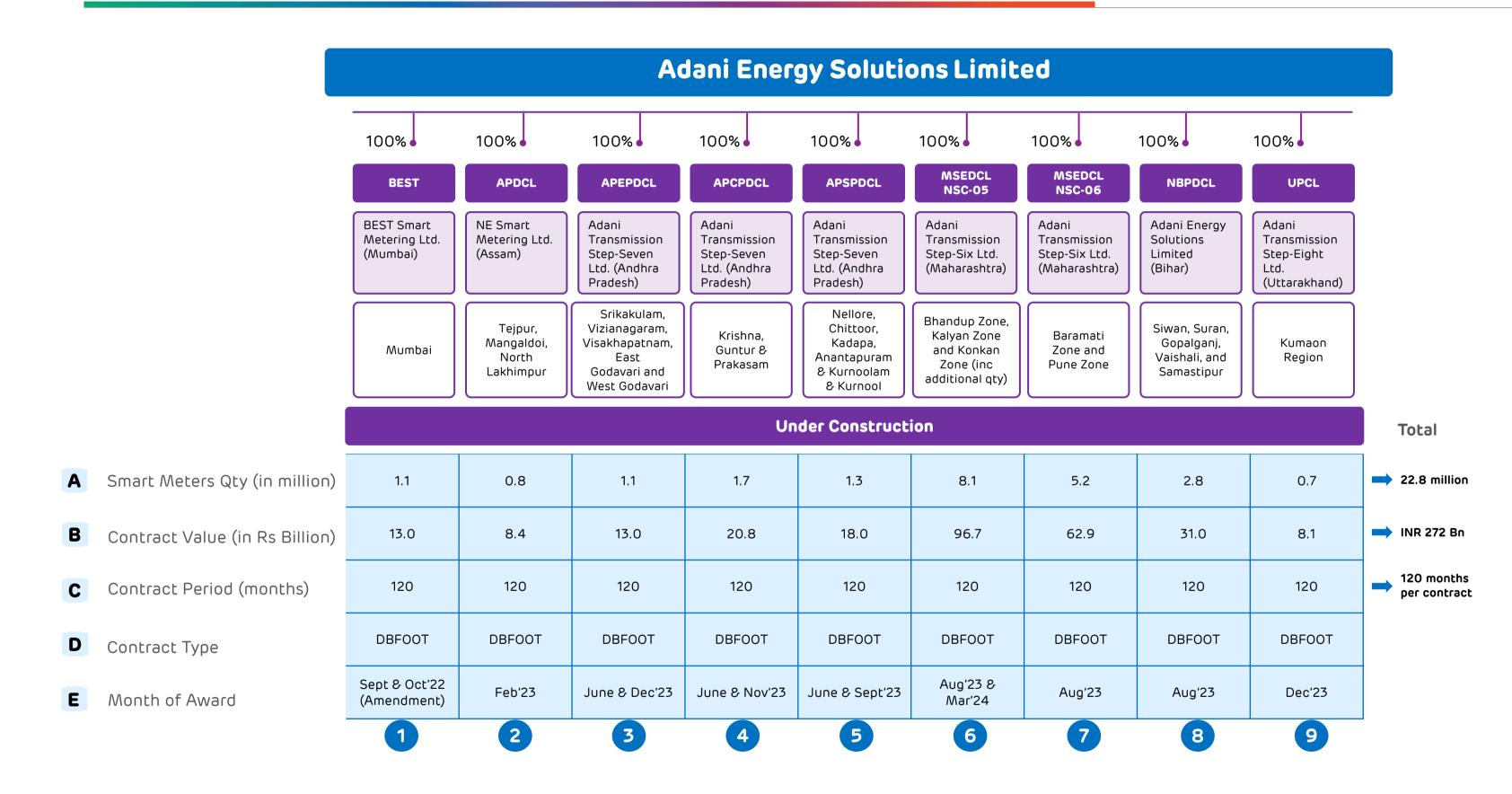
#AEMIL - Adani Electricity Mumba Infra Limited 100% shares are currently being held by AEML. Due to CERC restrictions 51% shares are pledged in favor of AESL



#### Adani Energy Solutions Limited 100% 100% 100% 100% 100% 100% Line & SS Khavda -STSL **KPS-1** WR-SR **KTL** Augmentation III - A Line and Khavda Sangod Khavda WR SR Substation Khavda-II-A Transmission Phase-III Poolina Transmission Augmentation Transmission Part-A Station 1 (Narendra-Projects Pune Line) **Under Construction** Total **3**,073 ckms 630 ckms 355 ckms 42 ckms 15 ckms 560 ckms 6,000 MVA 6,000 MVA 21,396 MVA 1160 MVA 3500 MVA -35 years 35 years 35 years 35 years 35 years 35 years **35** years Fixed tariff Fixed tariff Fixed tariff Fixed tariff Fixed tariff Regulated (TBCB) (TBCB) (TBCB) (TBCB) (TBCB) Return (ROA) Centre / State Centre Centre Centre State Centre INR 12.7 bn INR 1.6 Bn INR 27 bn INR 21.1 bn INR 8.6 bn INR 6 bn INR 170 bn Aug-24 Mar-25 Jan-25 Dec-24 Dec-25 June'24-Feb'26 Residual D Contract Ε Counterparty concession type life / License period



# AESL's Smart Metering Under-construction Portfolio as of March 2024



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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#### Investor Relations:

#### **VIJIL JAIN**

Lead Investor Relations

- 🔀 Vijil.Jain@adani.com
- 🔇 +91 79 2555 7947

🖂 Investor.aesl@adani.com

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#HumKarkeDikhateHain





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