



Leading Energy Transition for a Sustainable Future

Investor
Presentation

24/05/2024

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- Annual Accounts for FY 2023-24 are to be approved by the shareholders.

Performance Highlights

POWERGRID Overview

Major Highlights

Performance Highlights

Growth Outlook

Awards

India's largest power transmission company

A “**Maharatna**’ CPSE

3rd Rank

Profit Making CPSE¹

> ₹3 lakh Cr

Market Cap²

Pan India

Transmission Network

4,000 MW

Cross Border

**Interconnection with
neighbouring countries**

23 countries

Global Footprints

47

Subsidiaries

12

Joint Ventures

04

Associates

Credit Rating

**International
(At par with Sovereign)**

Standard & Poor's: BBB-
Fitch: BBB-
Moody's: Baa3

Domestic

CRISIL: AAA
ICRA: AAA
CARE: AAA

Transmission Assets spread across India



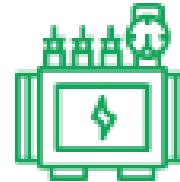
1,77,699 ckm
1,503 nos

Transmission Lines



278

5,27,446 MVA
Sub-Stations



99,580 MW
83% of India's
IR capacity



> 99%
System
Availability

Transmitting 45% of India's Power

18 HVDC substations	62 765kV Substations	167 400kV Substations	20 SVC/ STATCOMS	63 GIS Substations	>2,90,000 Transmission Towers	>3,800 Transformers and Reactors
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Successful bidder for 13 ISTS TBCB projects in FY24

- Bidar Transmission Limited
- Sikar Khetri Transmission Limited
- Koppal II Gadag II Transmission Limited
- Vataman Transmission Limited
- Neemrana II Bareilly Transmission Limited
- Bikaner III Neemrana Transmission Limited
- Ramgarh II Transmission Limited
- Beawar Dausa Transmission Limited
- Bhadla III Transmission Limited
- Ananthapuram Kurnool Transmission Limited
- Rajasthan REZ Phase IV (Part 2: 5.5 GW) (Jaisalmer/ Barmer Complex): Part E
- Rajasthan REZ Phase IV (Part 2: 5.5 GW) (Jaisalmer/ Barmer Complex): Part C
- Khavda area of Gujarat under Phase IV (Part 2: 7 GW) Part E2

**65% in terms of
NCT Cost**

**64% in terms of
Annual Tariff**

Major Highlights

- Cabinet approved Green Energy Corridor (GEC) Ph-II – ISTS 13GW RE Project in Ladakh.
- MoU signing with RVPNL, Rajasthan for formation of 74:26 JV company for Intra state Transmission projects.
- Successful completion of 05 nos TBCB projects.
- Signed supplementary agreement with Ladakh Power Development Department (LPDD) for implementation of “Border area works of Ladakh UT” sanctioned under RDSS scheme.
- Granted Patent for “Thermal Energy Storage (TES) based Air Conditioning System and A Method to Manufacture the Same”.
- ISO 55001:2014 Asset Management System Certification
- Certified by Bureau of Indian Standards (BIS) for implementation of Anti-Bribery Management System (ISO 37001:2016).

Performance Highlights

Project Execution

Operational Performance

Financial Performance

Other Businesses

Commercial Performance

Added

19,720 MVA

Transformation capacity

06 Nos

Sub-station

4,036 ckm

Transmission line

Successfully Commissioned

- POWERGRID Ramgarh Transmission Ltd.
- POWERGRID Bikaner Transmission System Limited
- POWERGRID Meerut Simbhavali Transmission Limited
- POWERGRID Neemuch Transmission System Limited
- POWERGRID Gomti Yamuna Transmission Limited

Successfully Commissioned

Major Transmission lines

400 kV 2xD/C Bikaner-II SEZ - Khetri

400 kV D/C Lower Subhansiri - Biswanath Chariyali -II

400 kV 2xD/C Khetri-Bhiwadi

400 kV D/C Muradnagar-II – Simbhawali

400 kV D/C Neemuch-Mandsaur

400 kV D/C Neemuch-Chhitorgarh

400 kV D/C (Q) Sitamarhi – Dhalkebar

400 kV D/C Fatehgarh-III (Ramgarh-II)-Jaisalmer-II

Sub-station

765/400/220kV Meerut GIS S/S

400/220 kV Fatehgarh-III (Ramgarh-II) S/S

400/220 kV, Bikaner-II S/S

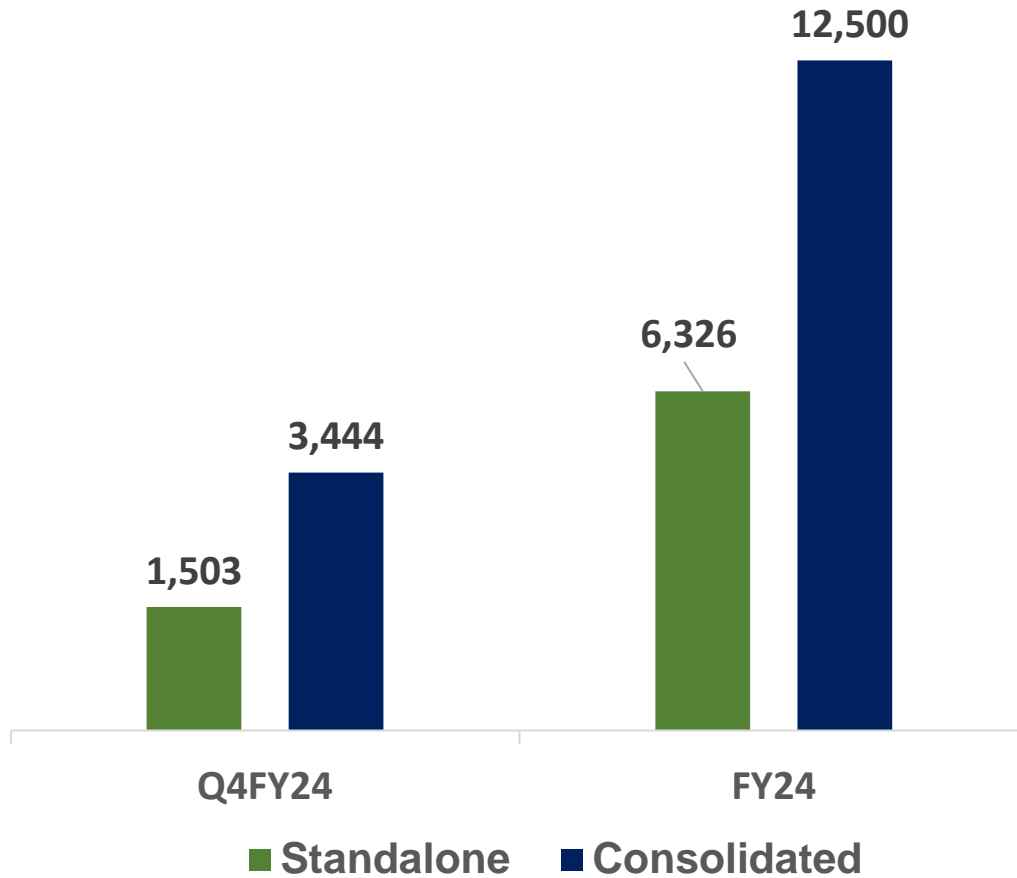
400/220/132 kV GIS Simbhawali S/S

400/220/132 kV GIS, Mohanlalganj S/S

400/220 kV Neemuch S/S

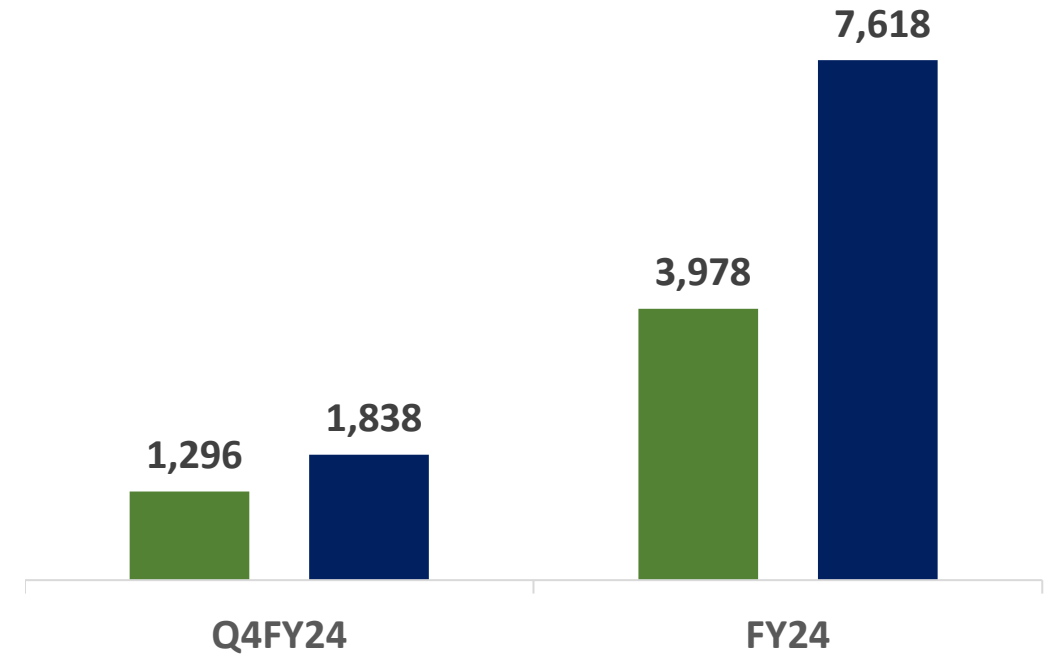
Project Execution

Capex



(₹ in crore)

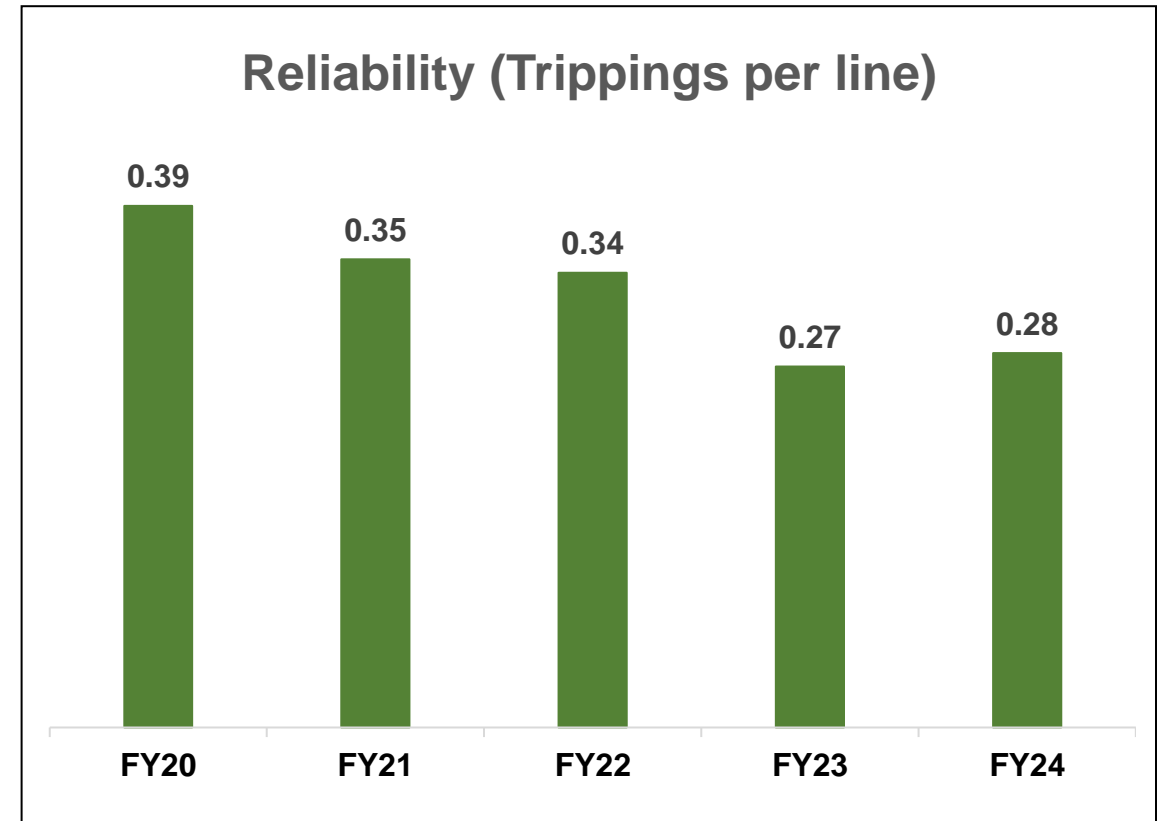
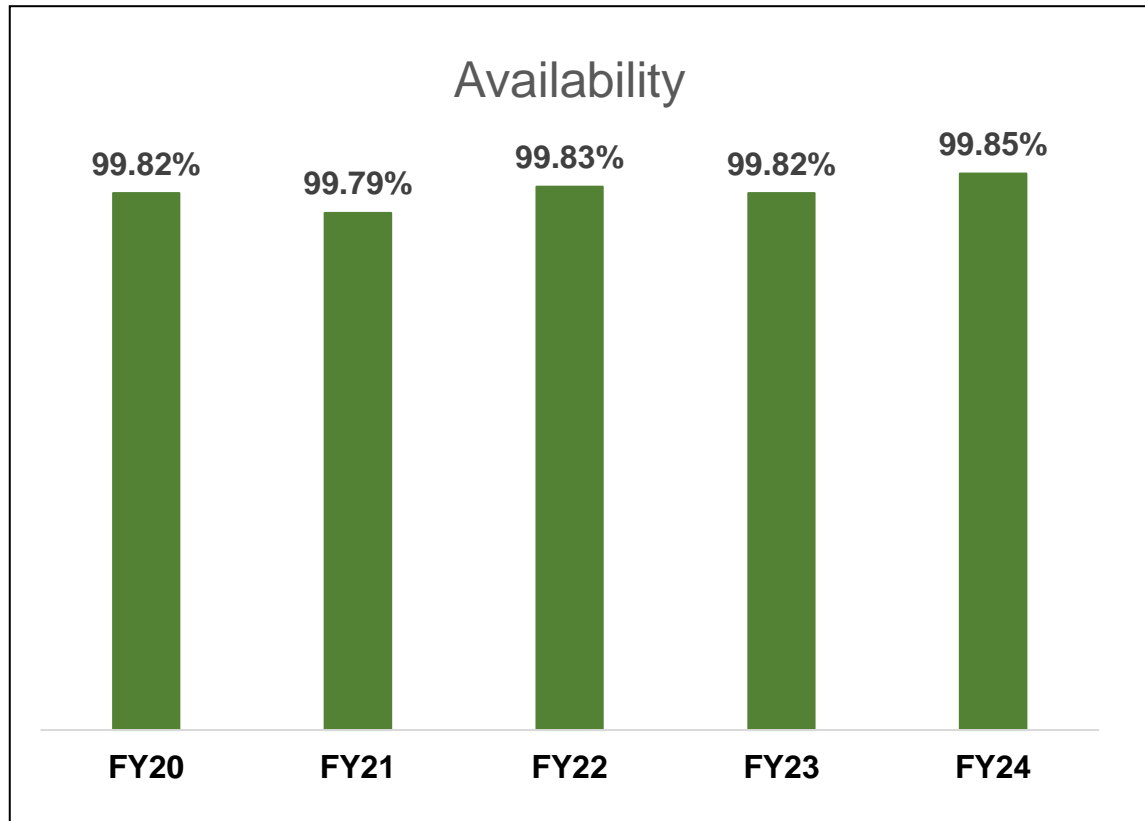
Capitalisation*



Capitalization figures exclusive of FERV

* Includes assets capitalised as Finance Lease

Consistent Track Record



Adoption of Latest Technology

Innovative technologies adopted to increase efficiency

Intelligent Inspection in POWERGRID

Reliability Centered Maintenance

Remote operation of substations

POWERGRID Asset Life Management System (PALMS)

Digital Substations

Drone Patrolling of Transmission Lines

Development of UDAAN (Unique Digital Analysis of Assets & Network)

Asset Management through AI in Transmission (AMRIT)

Centre of Excellence (CoE) – Control & Protection

POWERGRID Digital Application for Routine Patrolling & Assessment of Network (PG-DARPAN)

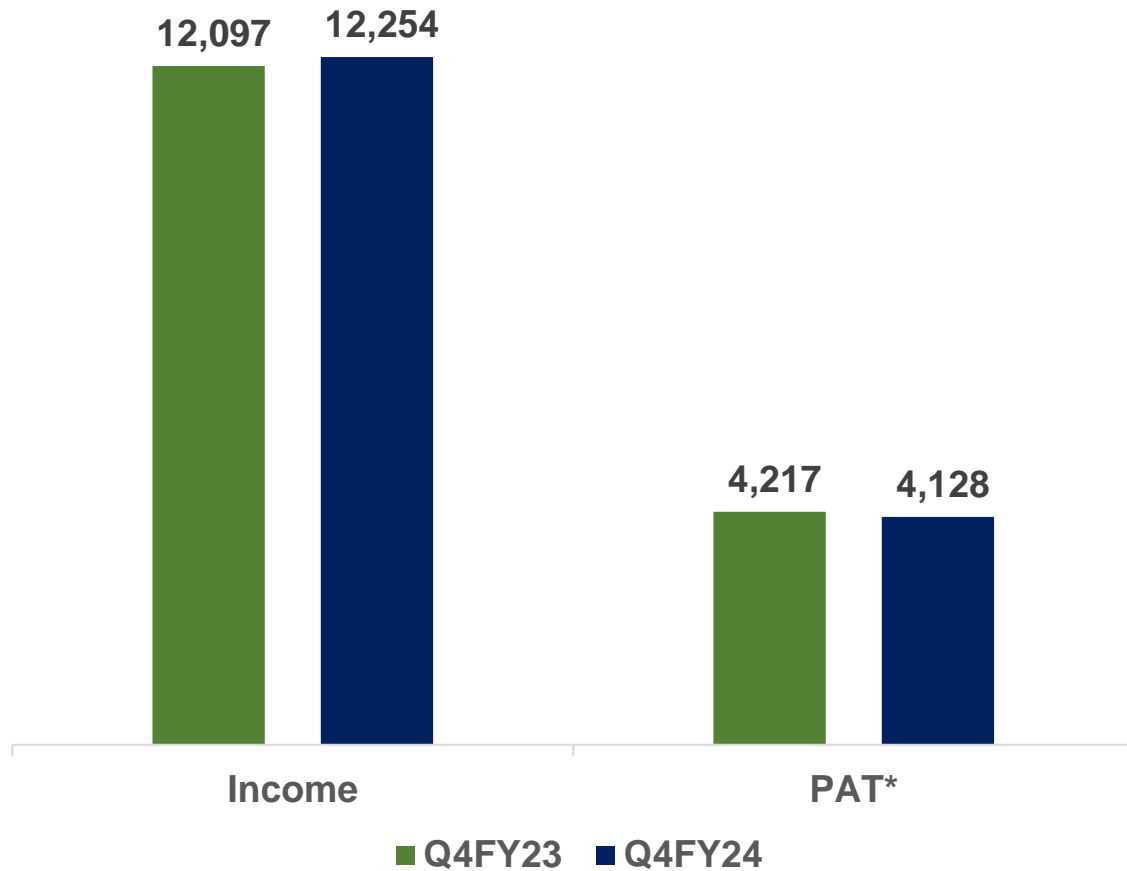
Digitization of data

Digitalization of processes

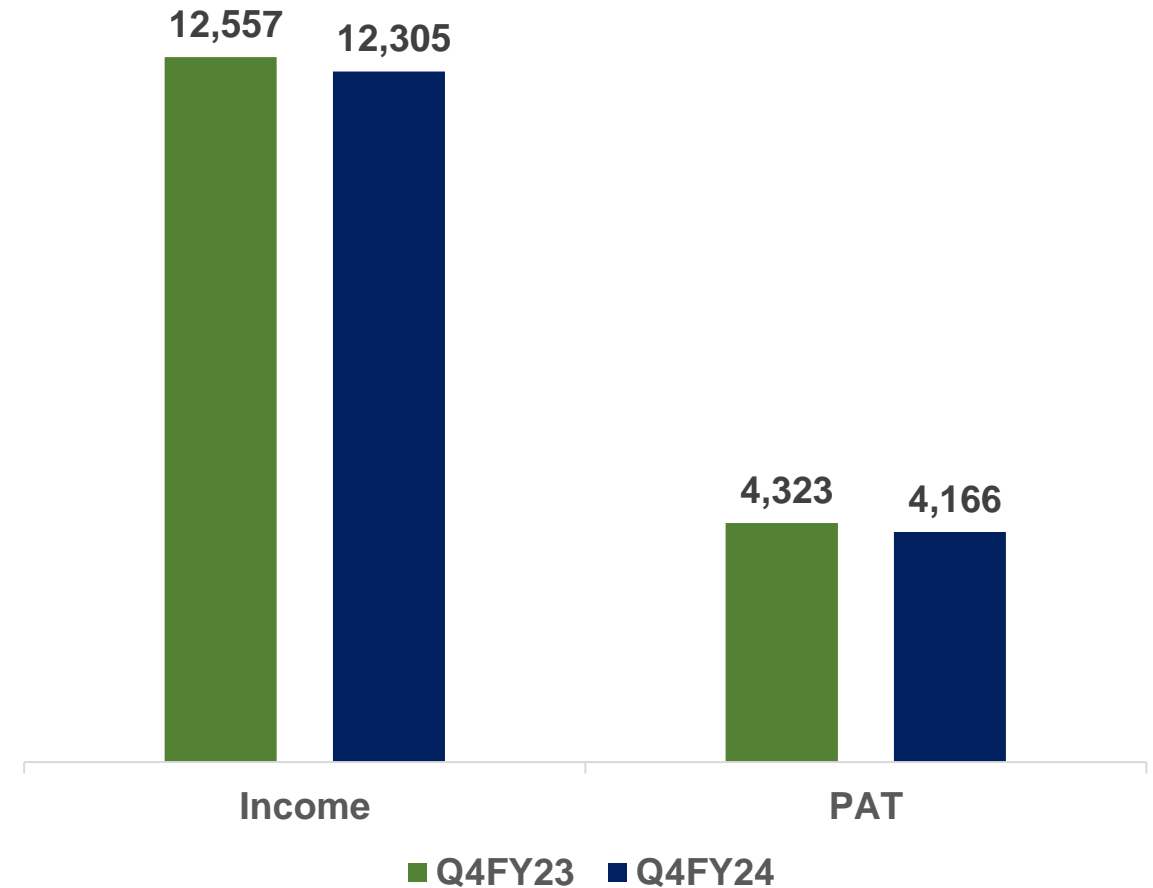
Digital transformation

Financial Performance-Q4FY24

Standalone



Consolidated



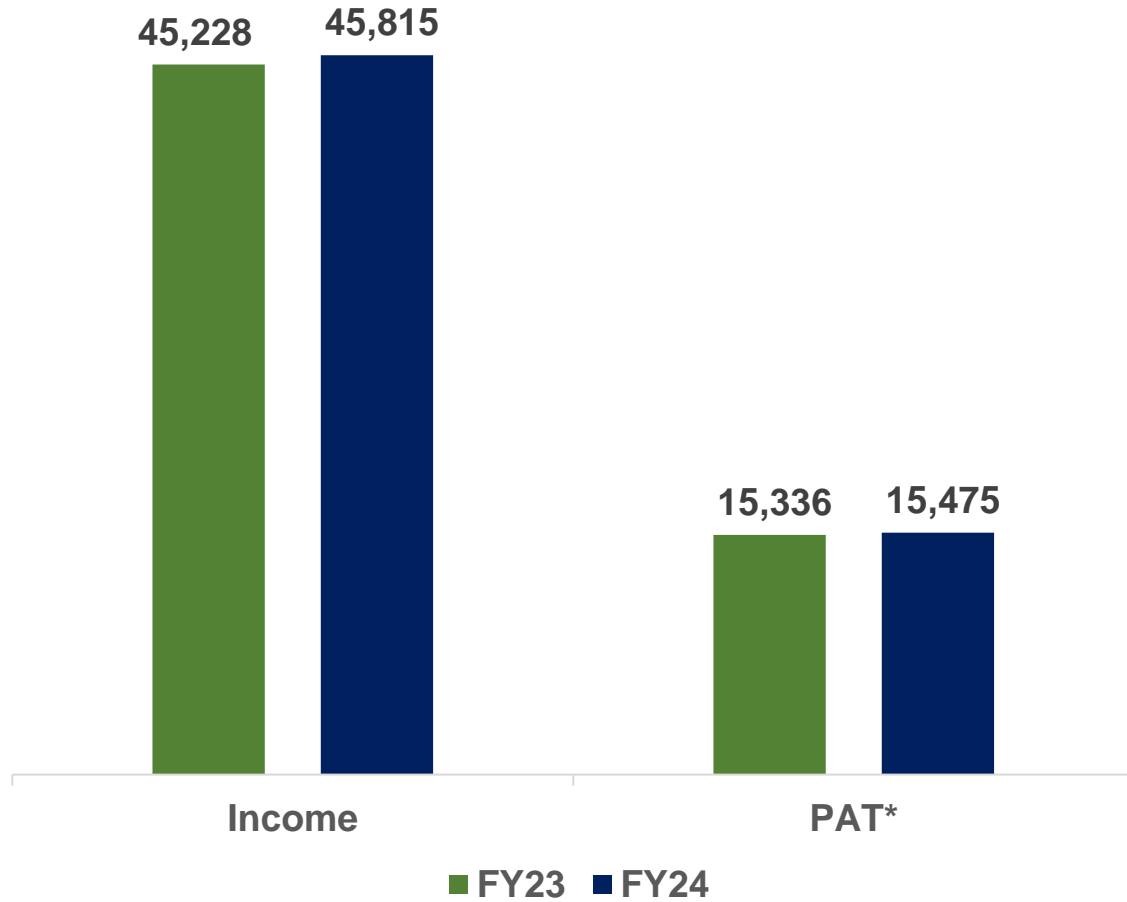
(₹ in crore)

*PAT including discontinued operations

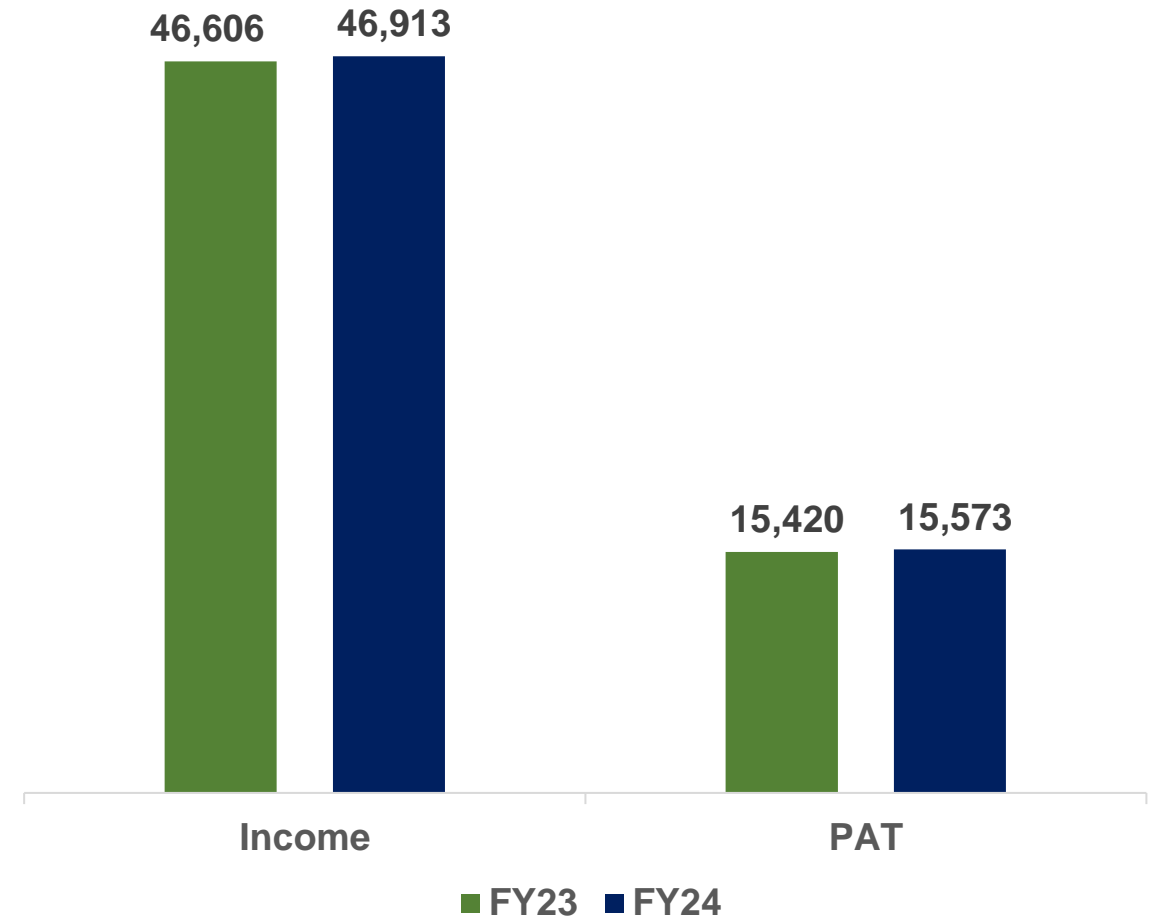
Income excluding from discontinued operations

Financial Performance-FY24

Standalone



Consolidated



(₹ in crore)

*PAT including discontinued operations

Income excluding from discontinued operations

Financial Performance

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Description	Q4FY24	Q4FY23	Growth (%)	FY24	FY23	Growth (%)
Income						
- Transmission Charges	10,890	11,352	(4)	41,873	42,127	(1)
- Consultancy Services	161	(24)		518	509	2
- Other Income	1,203	770	56	3,424	2,592	32
Total Income	12,254	12,098	1	45,815	45,228	1
Operating Expenses (including movement in regulatory deferral balance other than DTA for DTL)	1,896	1,572	21	5,770	5,661	2
EBITDA-Gross Margin	10,358	10,526	(2)	40,045	39,567	1
Depreciation	3,116	3,193	(2)	12,558	12,858	(2)
Interest	2,217	2,277	(3)	9,032	8,637	5
Tax (Net of DTA for DTL)	897	889	1	3,077	2,947	4
PAT- Continuing Operations	4,128	4,167	(1)	15,378	15,125	2
PAT- Discontinued Operations*	-	50		97	211	
Profit After Tax	4,128	4,217	(2)	15,475	15,336	1

* Telecom business hived off from 01.10.2023

(₹ in crore)

Financial Performance

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Description	Q4FY24	Q4FY23	Growth (%)	FY24	FY23	Growth (%)
Income						
- Transmission Charges	11,568	12,130	(5)	44,468	44,438	
- Consultancy Services	182	(34)	-	553	436	27
- Telecom	228	189	21	822	729	13
- Other Income	327	272	20	1,070	1,003	7
Total Income	12,305	12,557	(2)	46,913	46,606	1
Operating Expenses (including movement in regulatory deferral balance other than DA for DTL)	1,867	1,673	12	6,074	6,089	
Share of Net Profits of investments accounted for using Equity Method	62	(53)	-	(20)	(82)	-
EBITDA-Gross Margin	10,500	10,831	(3)	40,819	40,435	1
Depreciation	3,259	3,314	(2)	13,095	13,333	(2)
Interest	2,124	2,241	(5)	8,758	8,564	2
Tax (Net of DA for DTL)	951	953	-	3,393	3,118	-
Profit After Tax	4,166	4,323	(4)	15,573	15,420	1

(₹ in crore)

Financial Performance

Description	Standalone		Consolidated	
	as on 31.03.24	as on 31.03.23	as on 31.03.24	as on 31.03.23
Gross Fixed Assets (₹ crore)	2,58,807	2,55,824	2,75,991	2,70,108
Capital Work-in-Progress (₹ crore)	10,036	8,078	19,468	14,752
Long term Debt (₹ crore)	1,20,755	1,25,895	1,20,755	1,25,895
Net Worth (₹ crore)	86,867	82,844	87,145	83,026
Earning Per Share (₹)#	16.64	16.49	16.74	16.58
Book Value per Share (₹) #	93.40	89.07	93.70	89.27
Key Financial Ratios				
Debt : Equity	59:41	61:39	59:41	61:39
Return on Net Worth(%)	17.81	18.51	17.87	18.57

#adjusted for post bonus issue

Other Key Financial Information

Description	FY24	FY23
Income for previous periods (Consol.)	826	1,597
Int. on differential tariff*	966	1,161
Int. from Subsidiaries & JVs*	1,459	1,116
Surcharge (Consol.)	146	182
Incentive (Consol.)	573	544
Dividend from JVs*	68	78
Dividend from Subsidiaries*	891	482
Dividend from Associates/Others*	79	112
CSR Expenses*	312	322
FERV (Gross Block)	191	1,587
Equity in TBCB- Operational*	3,809	3,506
Equity in TBCB- U/ Constn.*	598	316
Short Term Loan	2,694	2,623

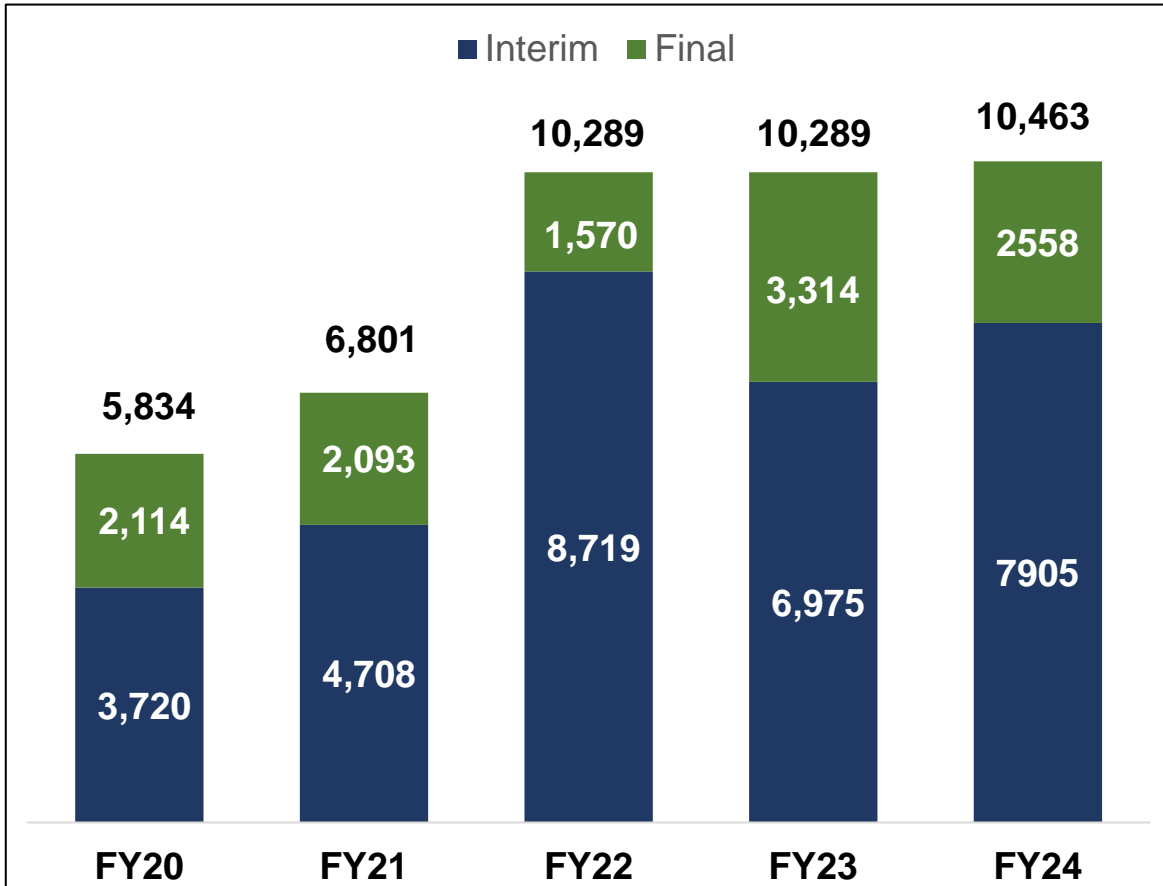
₹11.25 dividend per equity share declared for FY24

Average Cost of Borrowing*
7.73% in FY24

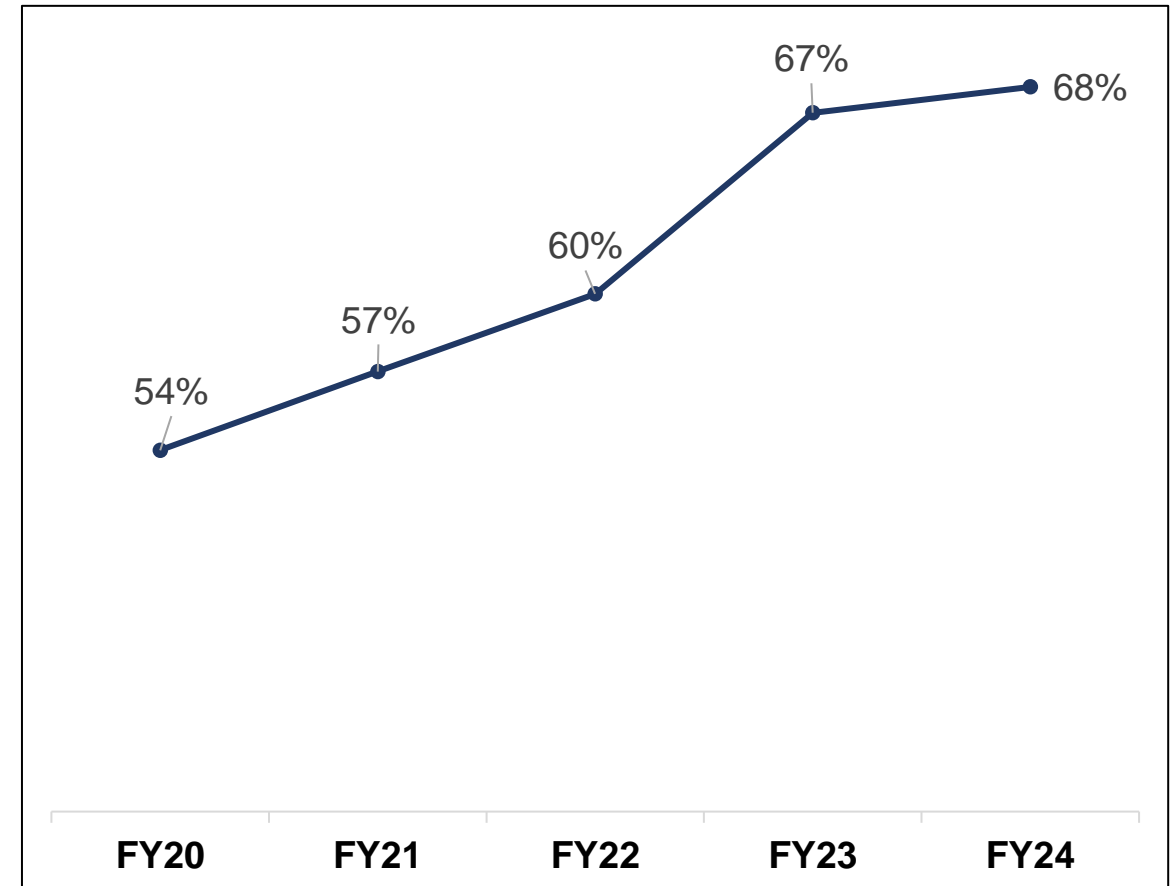
* On Standalone basis

Return to Shareholders

Dividend (in ₹ crore)



Dividend payout as % of PAT



Final dividend for FY 2024 - subject to approval of shareholders

Return to Shareholders

Maximizing shareholder value on a sustainable basis

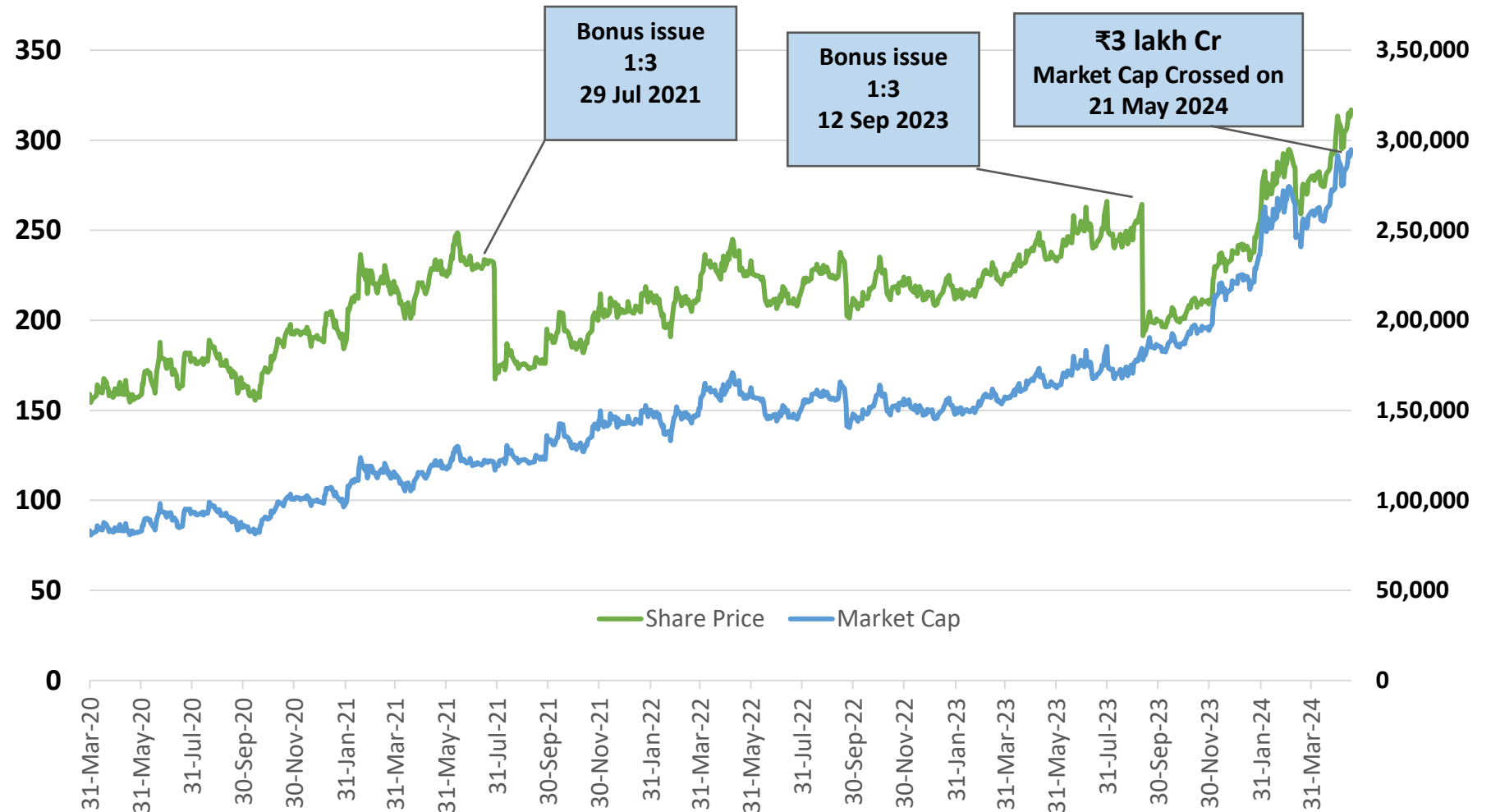
**210% increase
in Market Cap
In the last 4 years**

17 Nov 2016 >₹1 lakh Cr
Market Cap

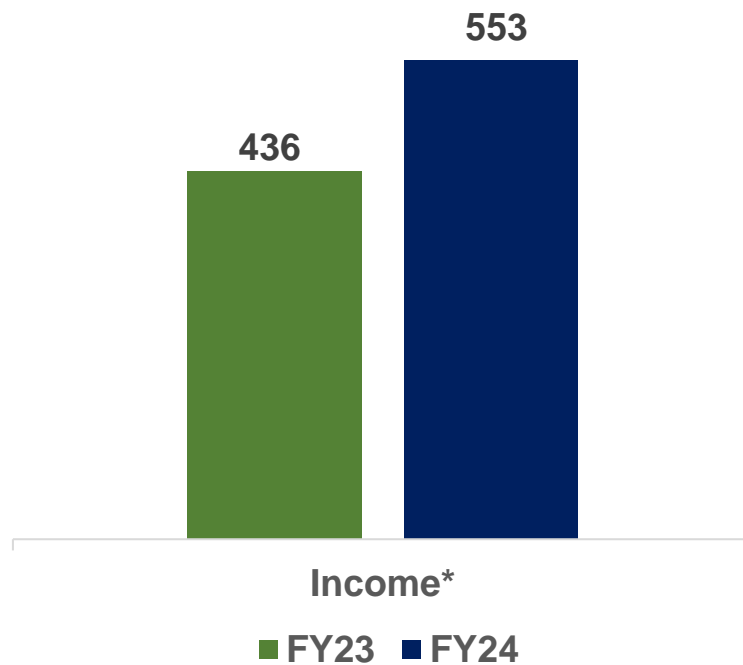
05 Dec 2023 >₹2 lakh Cr
Market Cap

21 May 2024 > ₹3 lakh Cr
Market Cap

Highest Share Price:
328.35*
 (22 May 2024)



Consultancy services to Domestic and International clients.



09

New International assignments

19

Ongoing International assignments

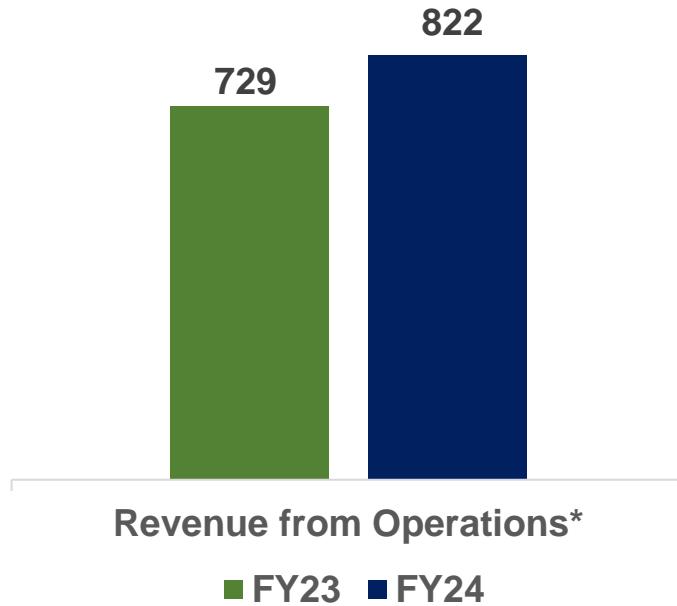
21

New Domestic assignments

79

Ongoing Domestic assignments

MoU signed with UPPTCL for providing consultancy services for establishment of “**State Transmission Agreement Management System (STAMS)**” for remote operation of 332 nos. EHV substations of UPPTCL



121

New Customers added

₹ 870 crore

Multiple year orders received

3000 locations

Pan India Network

>1,00,000 kms

Network route

100%

Backbone availability

Business Segments

- Leased Lines
- MPLS-VPN
- Data services
- Infrastructure services

Upcoming Services

ILD connectivity

- With neighbouring countries
Nepal, Bhutan, Bangladesh,
and Myanmar.

- Permission received for operation of International Gateway at Muzaffarpur for providing ILD Connectivity to Nepal
- Permission for operation of International Long Distance (ILD) Gateway at Behrampur received from DoT
- MoU signed with Govt. of Meghalaya for strengthening of Telecom connectivity in the state of Meghalaya

Commercial Performance

Billing & Realization

₹ 42,793 cr

Billing

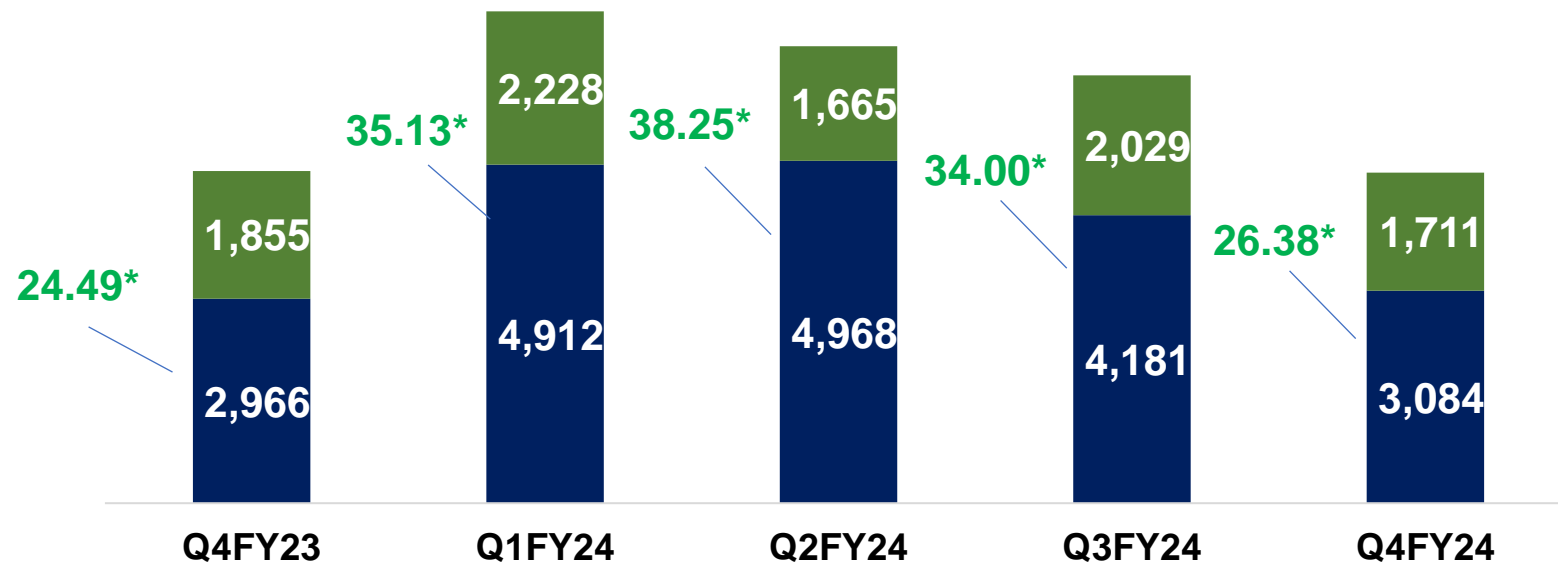
₹ 42,820 cr

Realization

100.06% ↑

%age Realization

Outstanding dues (at end of Qtr) (in ₹ crore)



*Receivable (days billing) ■ o/s > 45 days ■ o/s < 45 days

LPS Rules 2022 notification by MoP

- ₹ 1,665 crore received out of outstanding dues of ~ ₹ 2,400 cr

Major Dues

- Tamil Nadu, J&K, Telangana, Uttar Pradesh

Growth Drivers



India to be a 5 Trillion USD economy by the year 2030.

Rapid Industrialization, Urbanization, E-mobility etc.



Non-fossil capacity by 2030.

500 GW Installed capacity.



Green Hydrogen Mission

Power requirement of ~125 GW for producing Green H₂.



Energy Storage

Battery storage, Pumped hydro, etc.



International Interconnection

One Sun One World One Grid aspirations

Business Outlook 2032

Business segment	Subhead	Estimated Capex
Transmission Business	Inter State	₹ 1,36,000
	Intra State	₹ 37,000
	Cross Border	₹ 10,000
	International projects	₹ 7,500
	Subtotal Transmission	₹ 1,90,500
Other Business	Solar generation	₹ 1,000
	Smart Metering Infrastructure	₹ 15,000
	Data Centre Business	₹ 1,000
	Subtotal Other Businesses	₹ 17,000
Estimated Outlay upto year 2032		₹ 2,07,500

Leading Energy Transition for a Sustainable Future

Work in Hand[#] : ~ ₹ 86,700 crore

> 80% towards Renewable Energy evacuation

₹ 11,200 crore
Ongoing RTM Projects

₹ 24,700 crore
New RTM Projects

₹ 50,800 crore
Other* Projects

FY25 Capex Plan
₹ 15,000 crore

~₹ 5,000 crore
RTM

₹ 10,000 crore
Others*

Sustainability Aspirations

...towards a Greener Tomorrow



**50%
Electricity**
consumption from
renewable sources by
2025

**Net Water
Positive
organization**
by
2030

**Zero Waste to
Landfill status**
by **2030**

Net Zero
by **2047**

Awards & Accolades



Platts Global Energy Award

"Corporate Impact - Targeted Programme" category



International CSR Excellence 2023 & CSR World Leader 2023

Only PSU from India to be honoured with this International Recognition



"ATD Best Awards 2024"

Recognized among elite organizations worldwide in field of learning and Development.



Brandon Hall Group Human Capital Management Award 2023

Category of Best Advance in competencies and Skill Development.



SKOCH Gold Award 2023

Pugalur Thrissur 2000 MW Voltage Source Converter HVDC System

Awards & Accolades



“Certificate of Excellence in Learning and Development” at SHRM HR Excellence Awards.



Diamond Award

“Smart Technology - Electricity Transmission”,

Gold Award

“Adoption of Artificial Intelligence, Machine Learning and Robotic Solutions - Utility.

Thank You