



Transmitting Power
for
Progress and Prosperity

Investor Presentation

22 May 2023

www.powergrid.in



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- Annual Accounts for FY 2022-23 are to be approved by the shareholders.

Performance Highlights



POWERGRID Overview

Major Highlights

Performance Highlights

Growth Outlook

Awards

POWERGRID Overview



A “Maharatna” CPSE

3rd Largest CPSE
Gross Block¹

Pan India
Transmission Network

4,000 MW
Cross Border
Interconnection with
neighbouring countries

23 countries
Global Footprints

37 Nos
Subsidiaries

11
Joint Ventures²

04
Associates

Credit Rating

Standard & Poor's - BBB-
Fitch - BBB -
Moody's – Baa3
International
(At par with Sovereign)

CRISIL - AAA
ICRA - AAA
CARE - AAA
Domestic

POWERGRID Overview



Transmission Assets



1,74,113 ckm

1,459 nos

Transmission Lines



272

4,99,360 MVA

Sub-Stations



97,290 MW

85% of India's

IR capacity



> 99%

System
Availability

Transmitting 45% of India's Power

18 HVDC substations	61 765kV Substations	161 400kV Substations	17 SVC/ STATCOMS	59 GIS Substations	>2,90,000 Transmission Towers	>3,600 Transformers and Reactors
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Major Highlights



Acquired 12 ISTS and 1 InSTS companies under TBCB

NCT cost : ₹ 11,000 crore

Tariff : ₹ 1,214 crore

Rated as best utility in Transformers Maintenance and 3rd best utility in Vegetation Management in ITOMS for 2021-22

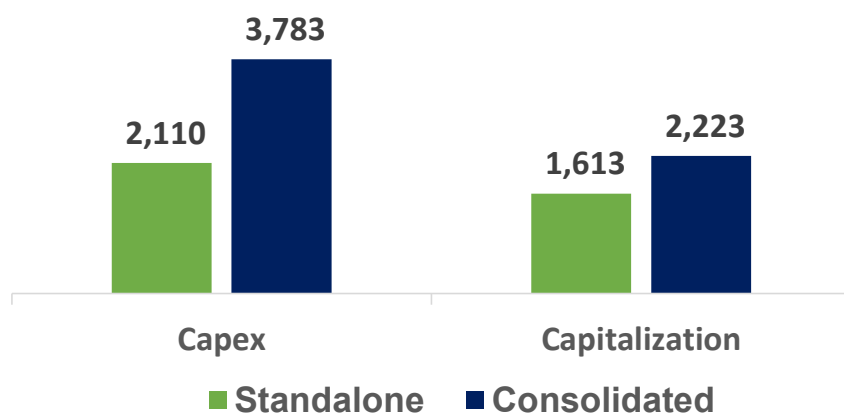
First time in India 6.6 GW power has been transferred through ± 800 kV Raigarh - Pugalur HVDC link.



Project Execution

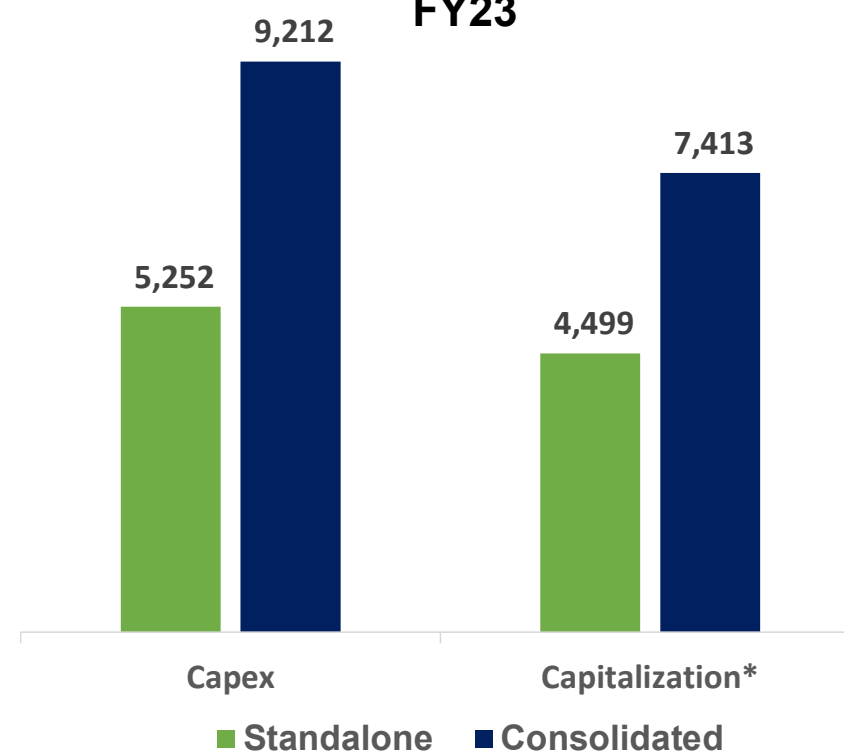


Q4 FY23



(₹ in crore) Capitalization figures. exclusive of FERV

FY23



* Includes assets capitalised as Finance Lease

Project Execution



Added 28,990 MVA transformation capacity, 09 S/s, 2,972 ckm Transmission lines

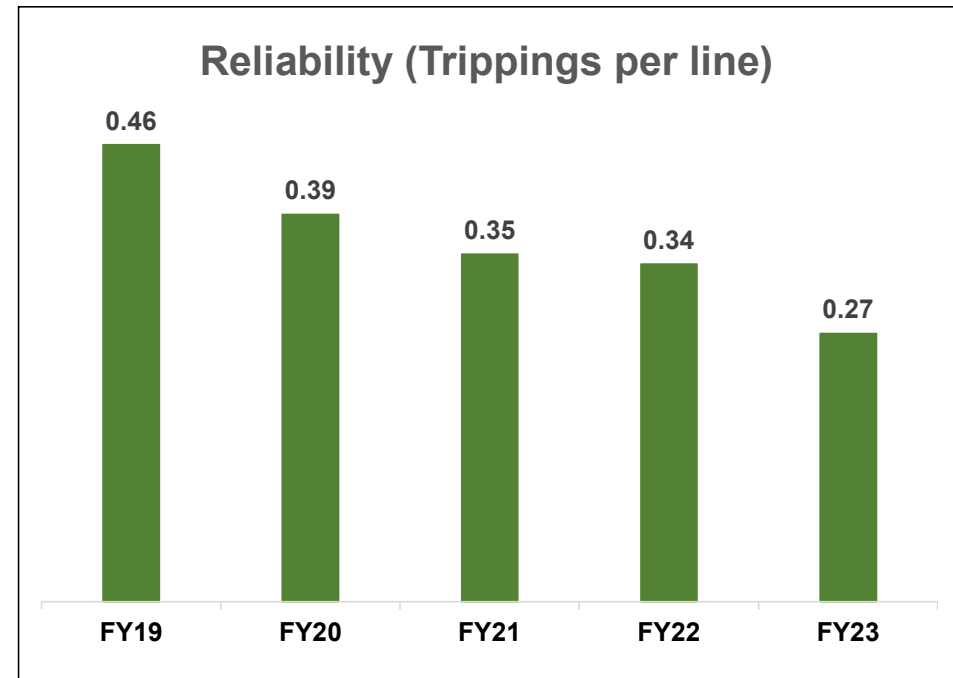
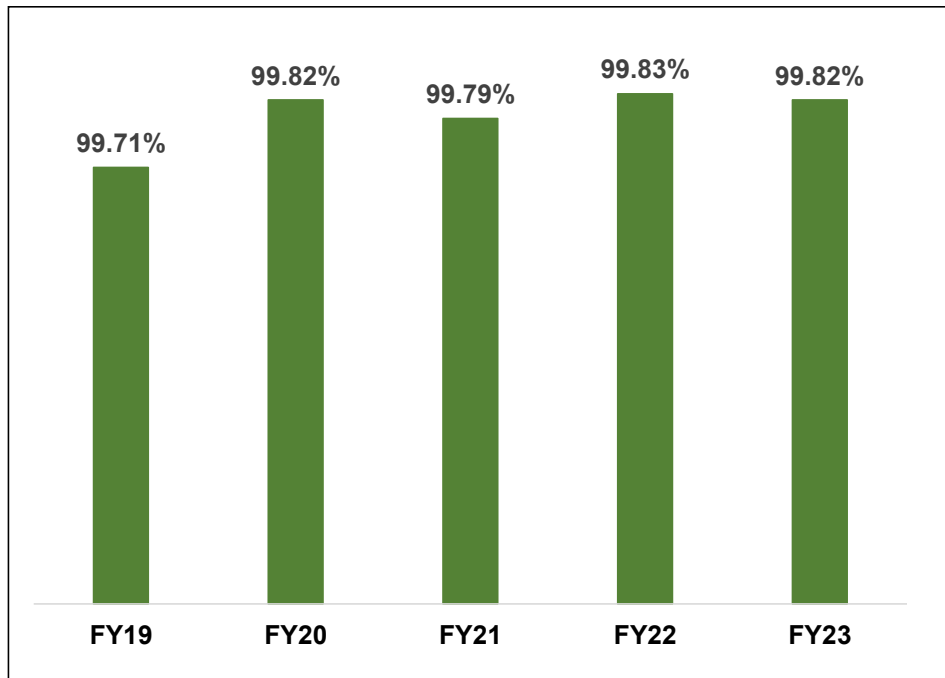
Successfully Commissioned

POWERGRID Medinipur-Jeerat Transmission Limited. (Inter-State)	POWERGRID Bhuj Transmission Limited. (Inter-State)	POWERGRID Rampur Sambhal Transmission Limited. (Intra-State)	POWERGRID Bhind Guna Transmission Limited. (Intra-State)
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Operational Performance



Consistent Track Record

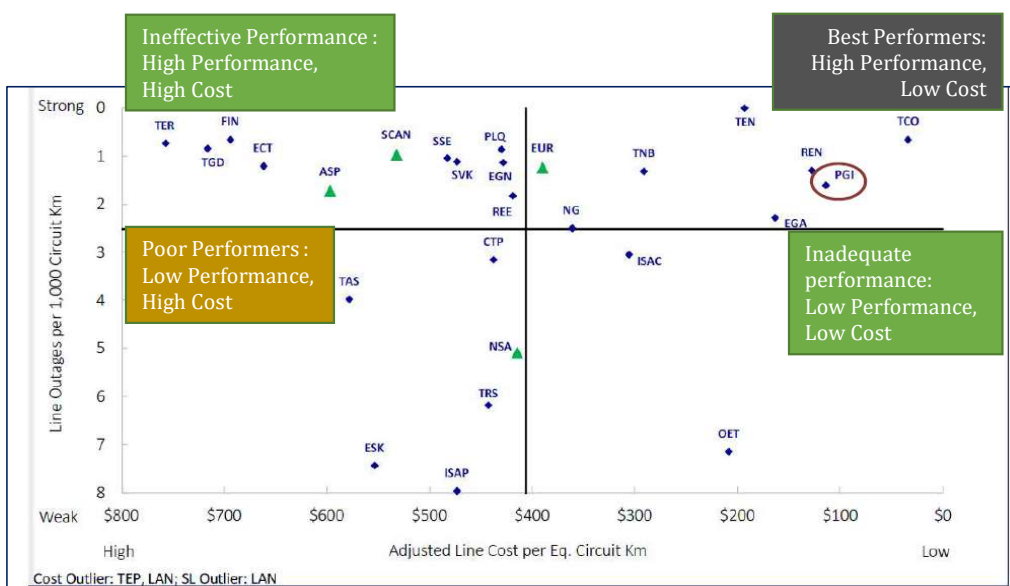


Availability and Tripping's per line are on standalone basis.

ITOMS Ranking

- Rated in best performer quadrant for Transmission line & substation maintenance in ITOMS* for 2021-22.
- One of only 6 such utilities ranked as best performer in both Transmission line & substation maintenance practices.

Transmission line Overall



Substation Maintenance Overall



* International Transmission Operation and Maintenance Study (ITOMS) is Premium Global Innovation and Best Practice Learning and Sharing Forum for transmission Utilities. During 2021-22, 26 nos. leading transmission Utilities like CTEEP (Brazil), ISA (Colombia), National Grid (UK), ESKOM (South Africa), TERN (Italy), TEPCO (Japan), FINGRID (Finland), TRANSCO (UAE), TNB (Malaysia), TenneT (Germany & Netherlands), ELECTRANET (Australia) etc. participated in the study.

Adoption of Latest Technologies

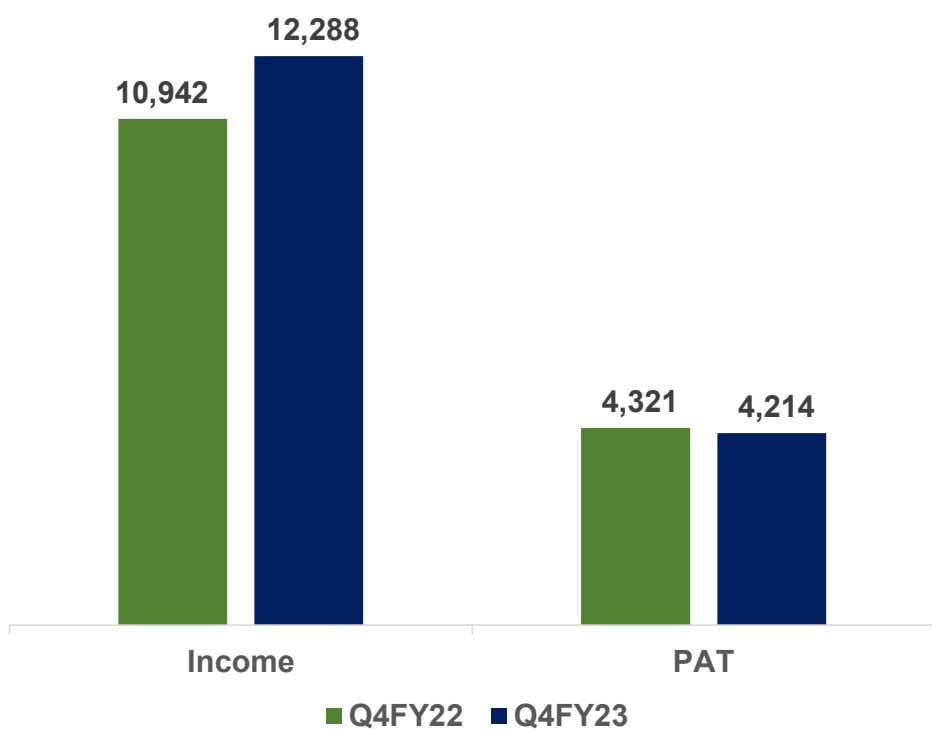


- **Methanol marker Test Kit**
 - Commissioned in December 2022.
 - POWERGRID 4th utility worldwide to establish alcoholic marker test facility.
 - This testing kit shall be helpful in early aging detection of transformer/reactors and take proactive action to redress the same.
- **765 kV RIP bushing**
 - First time in India, taken into service in Line Reactor at Satna, MP.
- **Integration of AI/ML techniques for defect identification**
 - Using AI/ML techniques for image processing for defect identification during patrolling of Transmission Line.

Financial Performance-Q4FY23



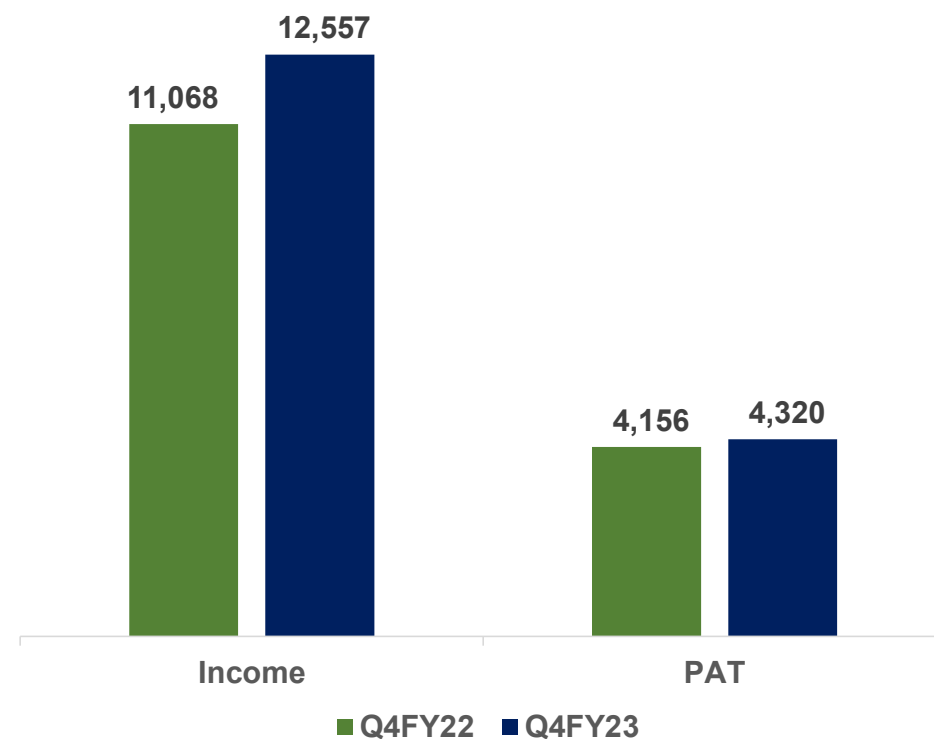
Standalone
Income Growth : 12%
PAT Growth* : 10%



(₹ in crore)

* excluding Exceptional Item

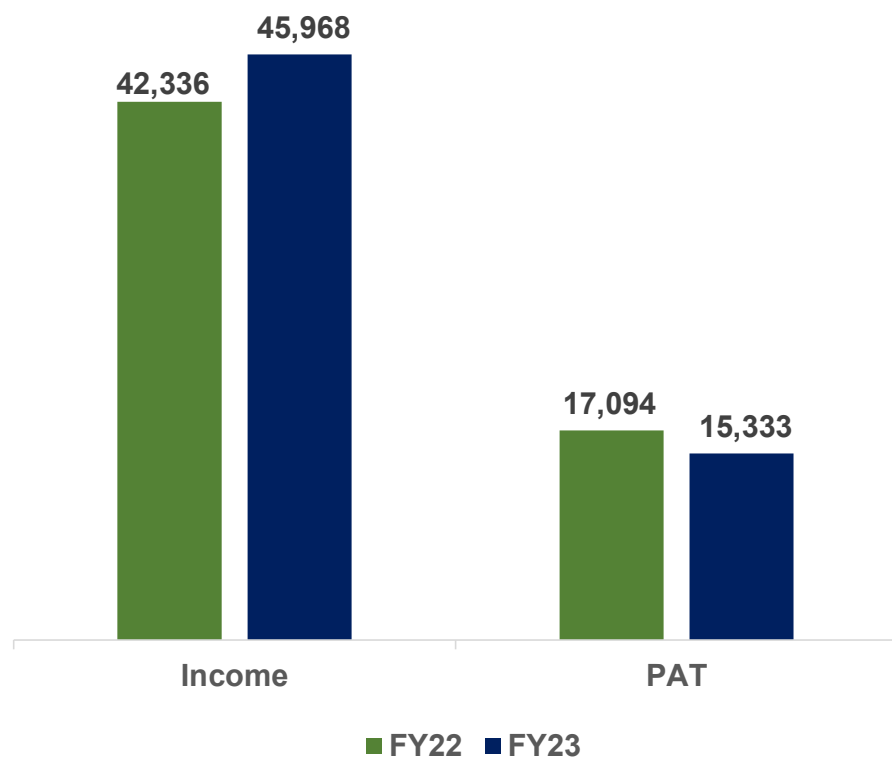
Consolidated
Income Growth : 13%
PAT Growth* : 11%



Financial Performance-FY23



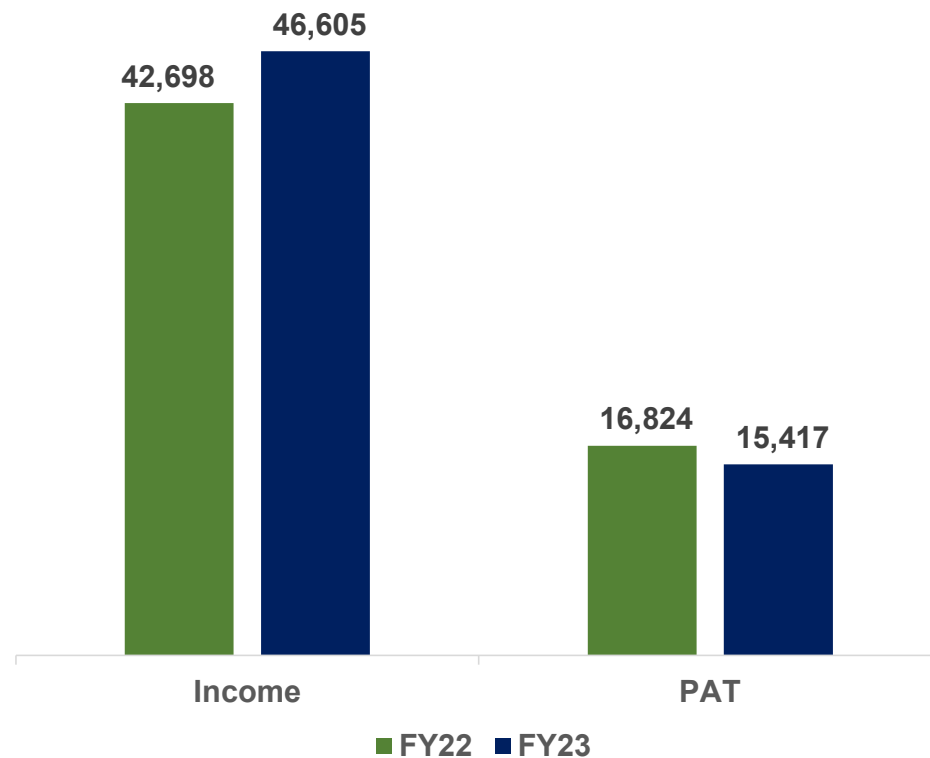
Standalone
Income Growth : 9%
PAT Growth* : 11%



(₹ in crore)

* excluding Exceptional Item

Consolidated
Income Growth : 9%
PAT Growth* : 11%



Financial Performance



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Description	Q4FY23	Q4FY22	Growth (%)	FY23	FY22	Growth (%)
Income						
- Transmission Charges	11,330	9,816	15%	42,105	38,601	9%
- Consultancy – Services	(24)	252	(110)%	509	753	(32)%
- Telecom	189	153	24%	729	580	26%
- Other Income	793	721	10%	2,625	2,402	9%
Total Income	12,288	10,942	12%	45,968	42,336	9%
Operating Expenses (including movement in regulatory deferral balance other than DA for DTL)	1678	1,358	24%	6,055	5,091	19%
EBITDA-Gross Margin	10,610	9,584	11%	39,913	37,245	7%
Depreciation	3,214	3,188	1%	12,940	12,551	3%
Interest	2,286	1,928	19%	8,673	8,032	8%
Exceptional/Extraordinary Item	0	(591)		0	(3,760)	
Tax (Net of DA for DTL)	896	738		2,967	3,328	
Profit After Tax	4,214	4,321	*(2)%	15,333	17,094	*(10)%

(₹ in crore) * Growth (%) 11% excluding exceptional item for FY 23 and 09% excluding exceptional item for Q4 FY23

Financial Performance

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Description	Q4FY23	Q4FY22	Growth (%)	FY23	FY22	Growth (%)
Income						
- Transmission Charges	12,109	10,299	18%	44,417	40,372	10%
- Consultancy Services	(34)	234	(115)%	436	670	(35)%
- Telecom	188	153	23%	728	580	26%
- Other Income	294	382	(23)%	1,024	1,076	(5)%
Total Income	12,557	11,068	13%	46,605	42,698	9%
Operating Expenses (including movement in regulatory deferral balance other than DA for DTL)	1,673	1,359	23%	6,089	5,134	19%
Share of Net Profits of investments accounted for using Equity Method	(53)	49		(82)	78	
EBITDA-Gross Margin	10,831	9,758	11%	40,434	37,642	7%
Depreciation	3,313	3,279	1%	13,333	12,872	4%
Interest	2,240	1,917	17%	8,562	7,857	9%
Exceptional/Extraordinary Item	0	(306)		0	(3,320)	
Tax (Net of DA for DTL)	958	712		3,122	3,409	
Profit After Tax	4,320	4,156	4%	15,417	16,824	*(8)%

* Growth (%) 11% excluding exceptional item

(₹ in crore) 15

Financial Performance



Description	Standalone		Consolidated	
	as on 31.03.23	as on 31.03.22	as on 31.03.23	as on 31.03.22
Gross Fixed Assets (₹ crore)	2,55,824	2,49,954	2,70,108	2,62,726
Capital Work-in-Progress (₹ crore)	8,078	7,659	14,752	13,299
Debt (₹ crore)	1,25,895	1,29,365	1,25,895	1,29,365
Net Worth (₹ crore)	82,833	76,152	83,015	76,247
Earning Per Share (₹)*	21.98	19.79*	22.10	19.84*
Book Value per Share (₹)	118.75	109.17	119.01	109.31
Key Financial Ratios				
Debt : Equity	60:40	63:37	60:40	63:37
Return on Net Worth*	18.51%	18.95%*	18.57%	18.89%*

* Excluding Exceptional Item

Other Key Financial Information

Description	Q4FY23	Q4FY22	FY23	FY22
Surcharge Income (Consol.)	36	193	182	375
Incentive (Consol.)	136	55	544	448
Int. from Subsidiaries & JVs*	306	233	1,116	885
Int. on differential tariff	795	191	1,161	481
Dividend from JVs*	51	36	78	68
Dividend from Subsidiaries*	156	170	482	436
Dividend from Associates/Others*	18	50	112	160
CSR Expenses*	152	185	322	271
FERV (Gross Block)	(211)	297	1,587	533
Equity in TBCB- Operational*#	3,506	2,811	3,506	2,811
Equity in TBCB- U/ Constn.*#	316	662	316	662
Short Term Loan [#]	700	5,300	700	5,300

Average Cost of
Borrowing*
7.50% in FY23

Debt raised in FY23*
₹ 9,140 crore

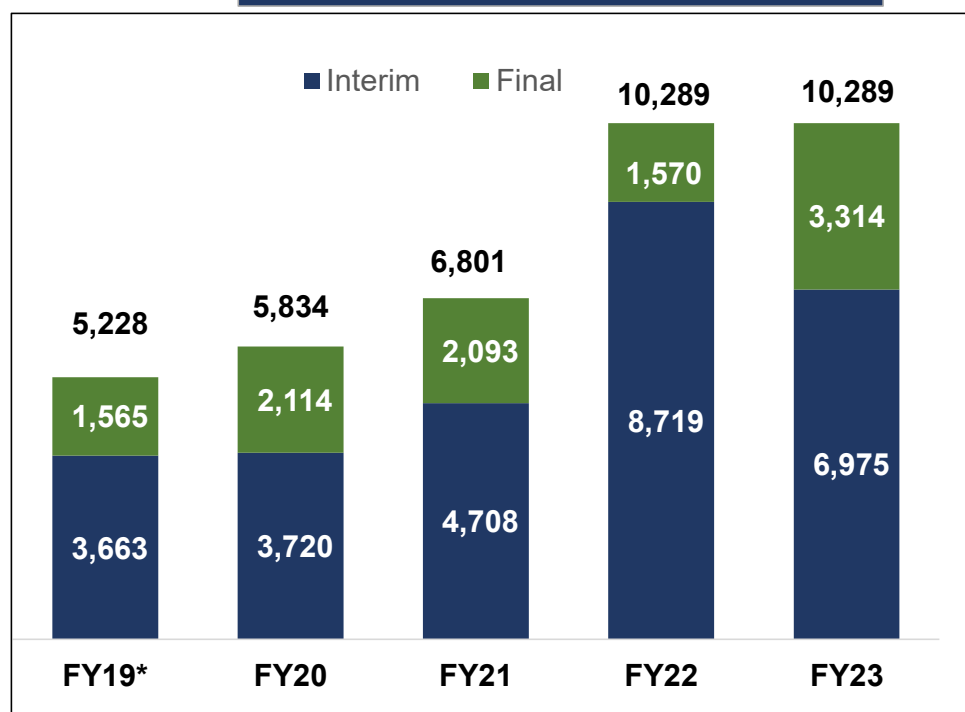
* On Standalone basis

(₹ in crore) * On Standalone basis, # as on 31.03.2023

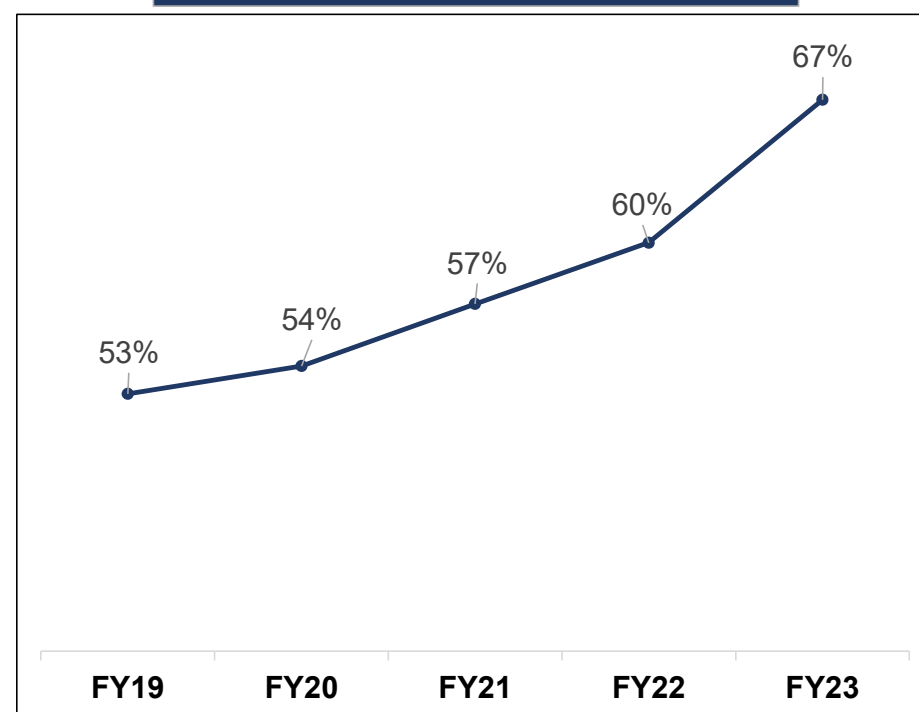
Financial Performance



Dividend (in ₹ crore)



Dividend payout as % of PAT



* Dividend for the year, includes dividend tax
Final dividend for FY 2023 - subject to approval of shareholders

Telecom Performance



Rs 729 crore
Income

128
New Customers added

99.997%
Backbone availability

3000 locations
Pan India Network

82,294 kms
Network route

Fiber leasing agreements with state discoms

Multiple year orders
Global OTTs, Government departments,
Public sectors, Private entities, ISPs etc.

CERC approval received for transfer of Telecom business to POWERGRID Teleservices Limited.

Business Segments

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

Upcoming Services

- ILD connectivity
 - With neighbouring countries Nepal, Bangladesh, Bhutan and Myanmar

Consultancy Performance

Consultancy services to Domestic and International clients.

Rs 436 crore
Income

09
New International assignments

17
Ongoing International assignments

35
New Domestic assignments

82
Ongoing Domestic assignments

Delivering Smart Solutions to both Domestic and International clients

- State owned utilities, Private utilities, Central Public Sector Undertakings, Government departments, International clients etc.

Area of Expertise

- Transmission
- Sub-Transmission and Distribution
- Rural Electrification
- Load Dispatch & Communication
- Smart Grid
- Energy Efficiency & Sustainable Development.

Commercial Performance



Billing & Realization

₹ 44,196 cr

Billing

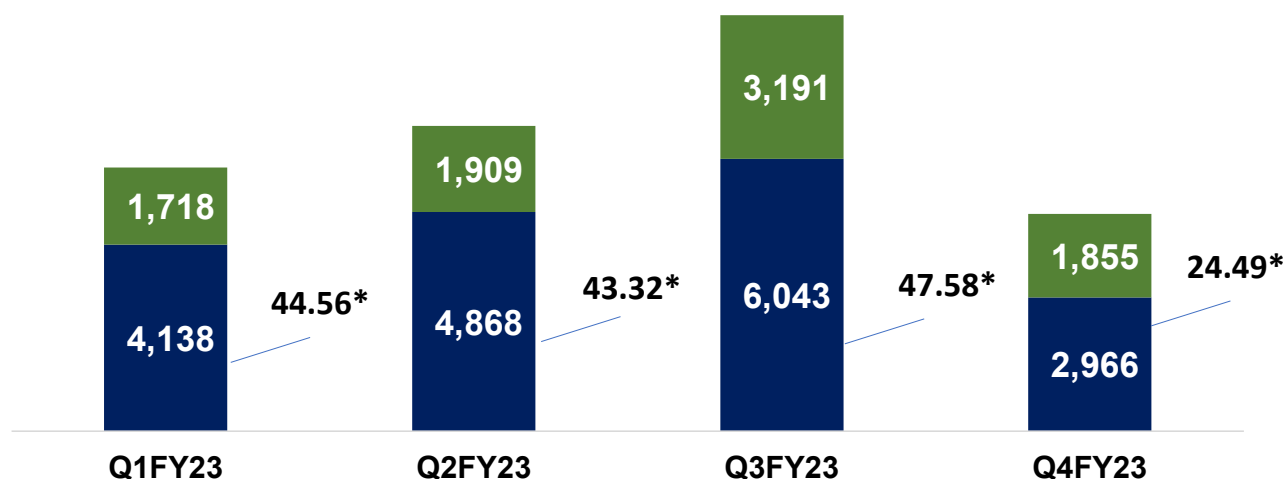
₹ 43,688 cr

Realization

98.85%

%age Realization

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



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

- ~ ₹ 963 crore received against outstanding dues of ~ ₹ 2,400 cr with 7 Discoms settled in accordance with LPS Rules 2022 notification by MoP on June 03, 2022.
- Outstanding dues pending with 6 Discoms.
- Major Dues: J&K, Tamil Nadu, Uttar Pradesh

Work in Hand



Work in Hand : ~ ₹ 50,000 crore

Ongoing RTM Projects
₹ 11,500 crore

New RTM Projects
₹ 25,500 crore

TBCB Projects
₹ 13,000 crore

FY24 Capex Plan : ₹ 8,800 crore

RTM
~₹ 5,000 crore

TBCB*
₹ 3,800 crore

* Incl Others

Transmission Opportunities upto 2030

Inter State Transmission System

₹ 1,90,000* cr

Intra State Transmission System

~ ₹ 1,96,000* cr

Cross Border Interconnection

~ ₹ 20,000* cr

Transmission corresponding to 125GW RE capacity addition for Green Hydrogen

* Estimated

Other Related Opportunities

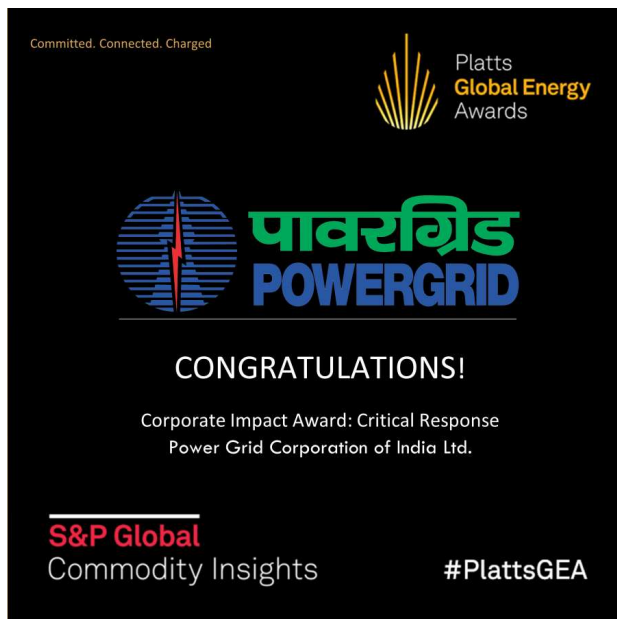
Solar Generation

Smart Metering

Data Centre Business

**International
Transmission Projects
in Developer Mode**

Awards & Accolades



2022 Platts Global Energy Awards under Corporate Impact Award: Critical Response category



Association for Talent Development Best Award 2023 for Talent Development

Awards & Accolades



dun & bradstreet

**India's Top 500 Companies 2022 in Power
Transmission & Distribution sector**



**Top 100 Best Companies to Work for in India in 2022
with the unique distinction as the only PSU in Top-100**

Awards & Accolades



CSR World Leader 2022 and International CSR Excellence Award 2022 by The Green Organization, London, UK.



“Best Organization for Women 2023” by Economic Times

Thank You