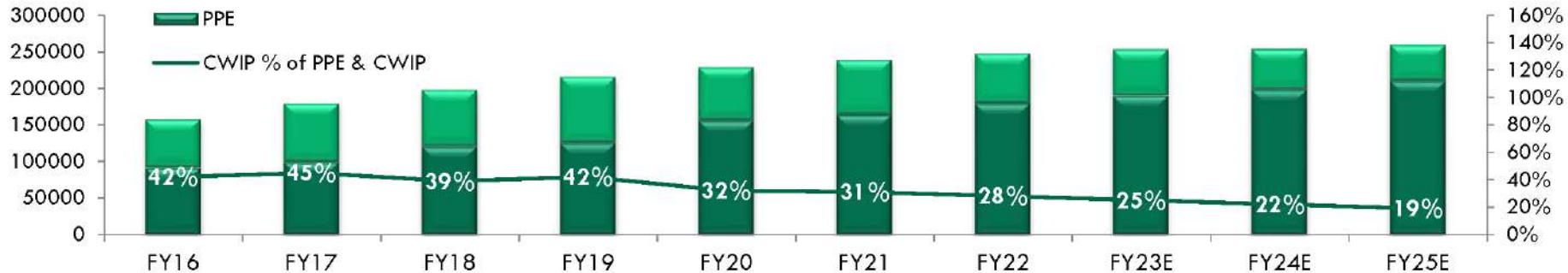


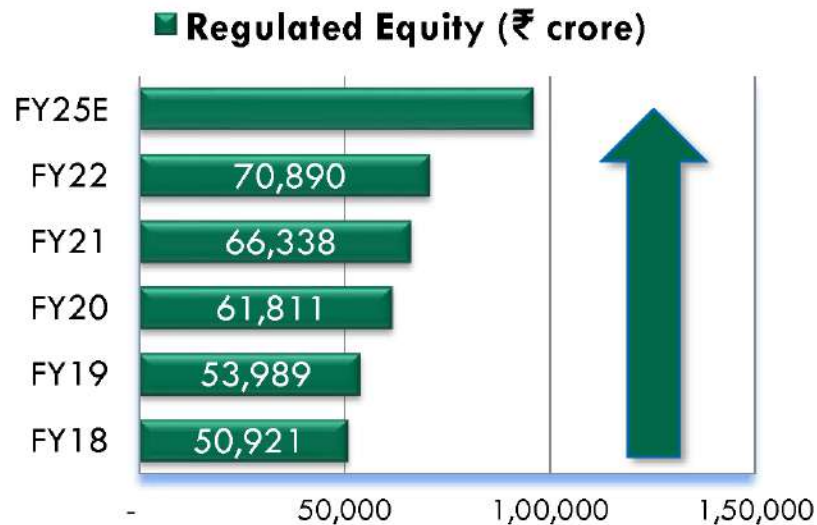
Why to Invest in NTPC



Accelerated Reversal in CWIP ratio



Expansion in Regulated Equity



All financial figures on standalone basis.

- Reversal in CWIP ratio will continue due to accelerated commercialization
- Fall in CWIP ratio will lead to ROE expansion as the equity blocked in CWIP starts earning
- Growth will continue and the turnaround from CWIP to PPE would be quicker in Renewable energy projects



NTPC Coal Mining Portfolio

- NTPC has 7 Coal blocks with combined Peak Rated Capacity of 71 MMT
- NTPC has achieved coal production of **14.02 MMT** during FY22, achieving 27% growth over FY21
- Production of 4.24 MMT in Q1FY23 (Q1FY22: 2.64 MMT), growth of 61%
- Cumulative **50.63 MMT of coal** has been produced till end of Q1FY23

Pakri Barwadih

- Mine declared commercial w.e.f. 1 April 2019
- 8.32 MMT of coal produced in FY22 (FY21 : 7.07 MMT)
- 2.57 MMT of coal produced in Q1FY23 (Q1FY22 : 1.60 MMT)

Dulanga

- Mine declared commercial w.e.f. 1 October 2020
- 5.39 MMT of coal produced in FY22 (FY21 : 3.12 MMT)
- 1.49 MMT of coal produced in Q1FY23 (Q1FY22 : 0.86 MMT)

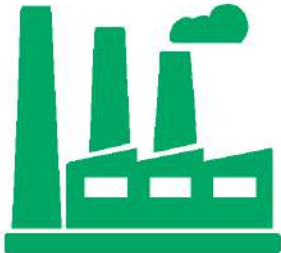
Talaipalli

- Coal extraction commenced in Nov'19
- 0.41 MMT of coal produced in FY22 (FY21 : 0.81 MMT)
- Contract awarded for Talaipalli West Pit Mine Operator

Other Highlights

- Cumulative expenditure of ₹ 7,964 crore incurred till FY22
- Mining operations started in Chatti Bariatu mine in April 2022
- Mining operations in Kerandari and Badam coal blocks are expected to start in FY24





Acquisition of Power Assets

- Looking for acquisition of stressed power projects with good intrinsic value
- Acquisition of Jhabua Power Plant is in advanced stage
- NEEPCO, acquired recently, allocated large Hydro Projects totaling ~6 GW

Exploring other business opportunities

- Exploring options for blending of gas-based power with Renewables for RTC power
- Exploring options for providing short-term & long-term requirement of Power Supply for Hyperscale Data Centers and other big industrial groups
- E-mobility business - EV buses already deployed in Bengaluru and Port Blair
- Setting up Energy Intensive Industries at NTPC Power Stations
- Exploring options for partnering for battery manufacturing
- Exploring options with technology providers for CO₂ to Methanol/Chemicals project
- Working group formed for execution of 1400 MW Nuclear Project with NPCIL

International Business

- Construction activities of a 1320 MW project in Bangladesh is in advanced stage
- Appointed as PMC for more than 6 GW solar projects in Latin America and Africa
- Bagged consultancy assignment in Mauritius for Setting up Floating Solar Plant





Operational Excellence

Proven Operational Excellence



Maintaining Leadership

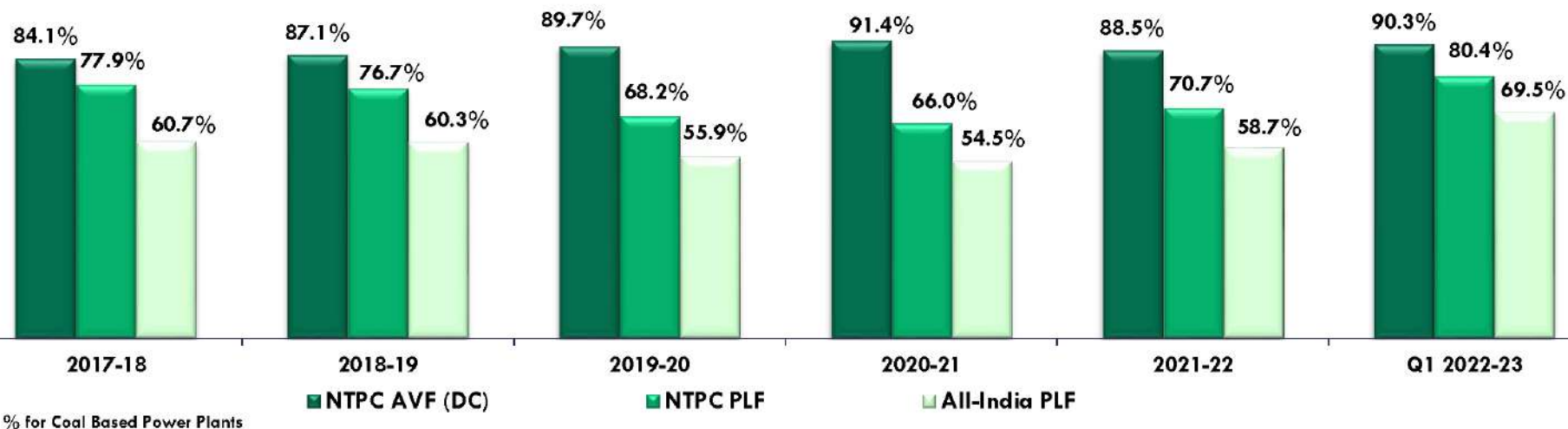
- Consistent double digit spread over National PLF during last 2 decades
- NTPC Coal Stations achieved PLF of 80.4% against All India PLF of 69.5% in Q1FY23
- Group generation grows by 15% in FY22 & 22% in Q1FY23

In-depth Monitoring

- Sound maintenance practices & real-time monitoring ensure high availability and efficient operations
- Periodic structured technical audits for identifying and correction of gaps

Safety at Forefront

- Safety is integral to our working, and we have renewed focus on safety
- We have upscaled our safety standards & inculcated complete safety culture



% for Coal Based Power Plants



Sustaining Status of Competitive Power Producer



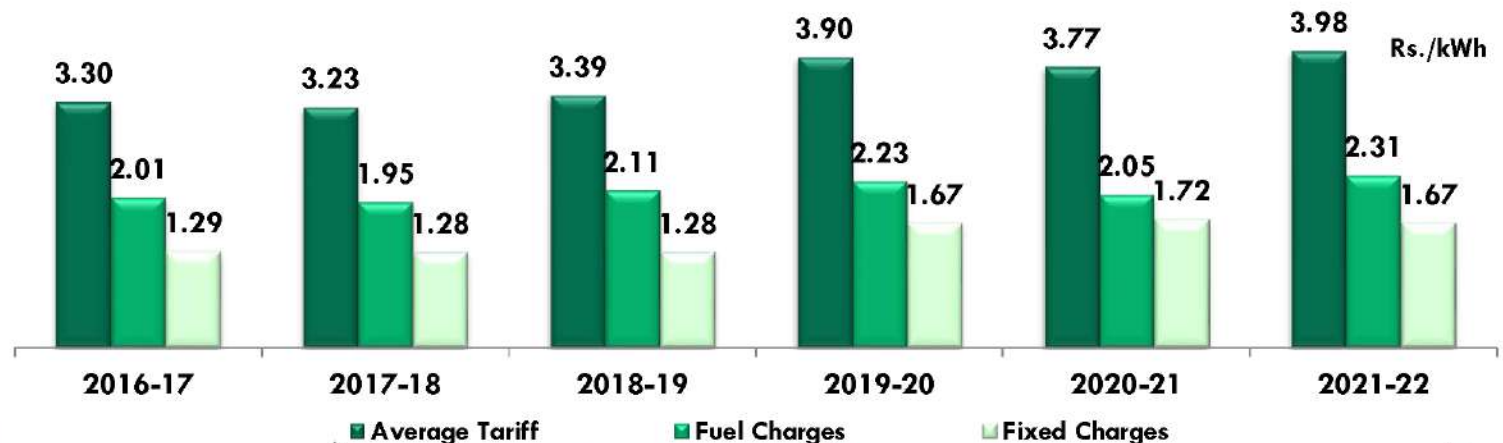
Payment Security

- Regulatory mechanism assures Returns balancing risks and rewards
- TPA agreements in addition to payment security through LC mechanism
- Highest ever realization of more than ₹ 1.16 Lakh crore during FY22

Regulations-2019-24

- ROE remains unchanged at 15.50%
- 85 kcal allowed on account of loss of coal GCV
- Security expenses excluded from normative O&M expenses
- Recognition of cost impact for meeting environment norms
- Time and cost over runs due to land acquisition classified as an “uncontrollable factor”

Sustaining Competitive Tariff



Long-term Fuel Security - Assured Coal Supply



Single ACQ

- NTPC through sustained policy advocacy has signed a Supplementary Agreement with aggregation of ACQ (Annual Contracted Quantity) on CIL subsidiary level basis resulting in:
 - ✓ Optimum utilization of coal leading to reduction in ECR
 - ✓ Avoidance of loss of fixed charges due to coal shortage
 - ✓ More efficient outage planning/stock management of power plants

Long-term FSAs

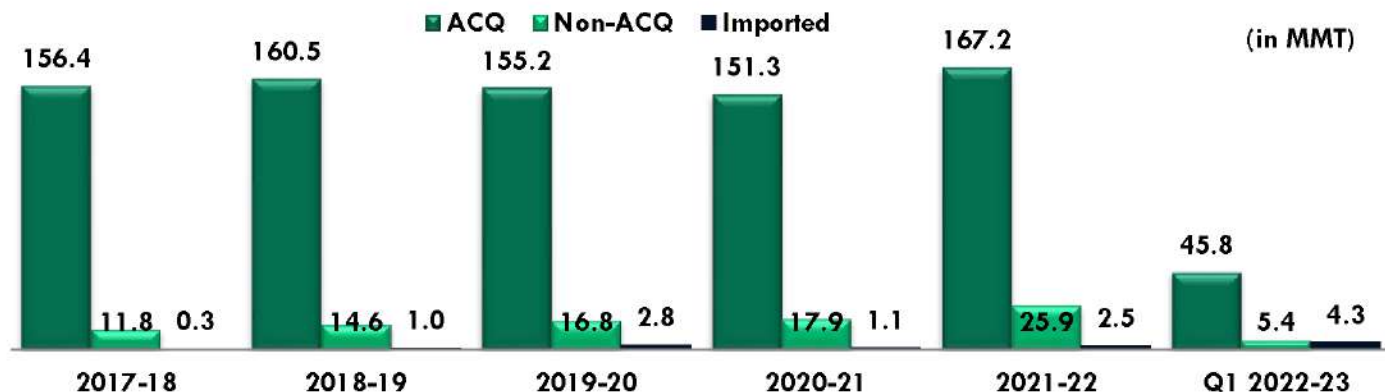
- Long term Fuel Supply Agreements (FSAs) have been signed with CIL and SCCL for supply of coal for total ACQ of ~183 MMTPA

Ensuring Logistics/Coal Import

- ~60% of our coal-based capacity is linked by MGR/belt conveyor system to coal mines
- To mitigate the shortage of domestic coal awarded contracts of more than 16 MMT for procurement of imported coal in FY22 and Q1FY23

Assured Coal Supply

101% ACQ materialization during Q1FY23



NTPC HR Vision

To enable our people to be a family of committed world class professionals,
making NTPC a learning organization

Leading to Consistent Improvement in Productivity of Manpower

Per Employee	2021-22	2020-21	2019-20
Revenue (₹ in crore)	7.60	6.16	5.78
EBITDA (₹ in crore)	2.39	1.97	1.72
Value Added (₹ in crore)	2.91	2.56	2.16
Generation (in MUs)	18.94	16.13	14.92
MAN-MW Ratio	0.29	0.32	0.35

- Proud of Building a High-Trust, High-Performance Culture
- Only PSU to consistently feature in Top 50 Best Companies to work for in India
- Recognized as one of the “Most Preferred Workplaces of 2022”

