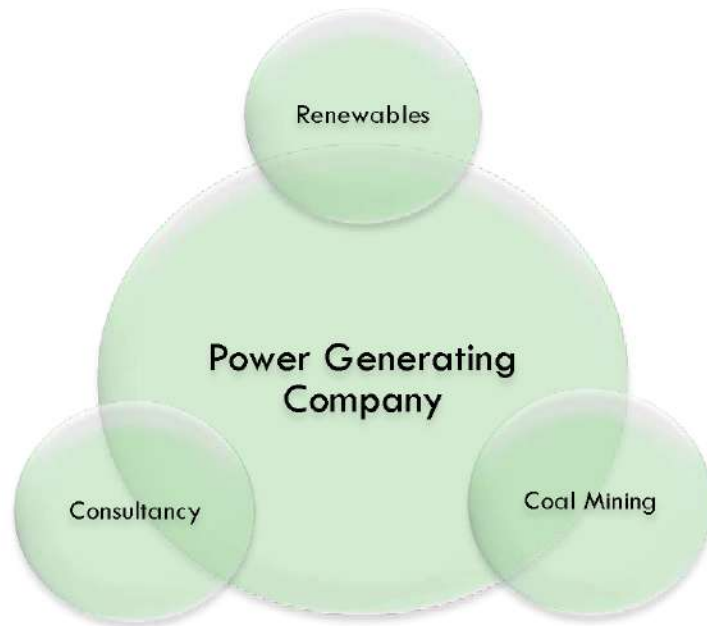




2022



2032



Supplier of Clean, Green and Affordable Power - Supplier of Choice





-  Reliable and affordable
-  Cleaner & Greener
-  Efficient
-  Renewables
-  Green Hydrogen
-  Storage
-  Coal Mining
-  Mobility
-  Distribution
-  Nuclear
-  Green Chemicals
-  Global Presence



Leading India's push towards Green Energy



NTPC RE@PRESENT	GW
Installed	2.02
Under Construction	4.09
Near Construction (Bids won)	2.21
Under tendering (Others)	3.22
Total	11.54



60 GW+
Renewable
capacity by 2032

Key Strides

- Won 3,265 MW of TBCB contracts in FY22 and 650 MW in Q1FY23
- COD of 502 MW of Solar Projects in FY22 and 172 MW in Q1FY23
- India's three largest floating solar projects of 100 MW at Ramagundam, 92 MW at Kayamkulam and 25 MW at Simhadri commissioned
- Setting up country's largest Solar Park of 4.75 GW in Gujarat
- Plan for development of another ~19 GW UMREPP in various stages
- Bids invited for 3000 MWh ESS and 500 MWh BESS
- NIT planned for 1000 MW PSP



Value Creation through NTPC Green Energy Ltd.



- NTPC Green Energy Limited (NGEL) incorporated for consolidation of the identified RE assets of NTPC along with NTPC Renewable Energy Ltd. (NREL)
- Business transfer and share purchase agreement executed in July 2022, and completion of transaction is expected within 120 days
- The transaction is being carried out on Book Value of RE assets and paid-up equity share capital of NREL as on March 31, 2022
- RE assets constitute 2861 MW capacity out of which 1492 MW is in operation and balance is near commercialization as on agreement date. NREL has won TBCB contracts of 4 GW capacity & same are under advanced stages of implementation
- Monetization is expected to be completed in current fiscal



- Building country's first pilot projects for synthesizing green Methanol
- Implementing country's first green hydrogen mobility complex at Leh, Ladakh and country's first green hydrogen based micro-grid at Simhadri
- Contract awarded for hydrogen blending in PNG at Kawas
- Agreement with IOCL for supply of ~650 MW Low carbon RE-RTC (Renewable Energy - Round the Clock) captive power to refineries
- MOU with GACL for supply of 100 MW RE-RTC power and synthesizing 75 TPD Green Methanol and 35 TPD Green Ammonia for captive use for production of various chemicals by GACL
- This would be the first commercial scale green Ammonia and Green Methanol project in the country
- MoU with NFL for supply of 90 MW RE-RTC power and synthesizing 50 TPD Green Ammonia for captive use for production of Industrial products by NFL

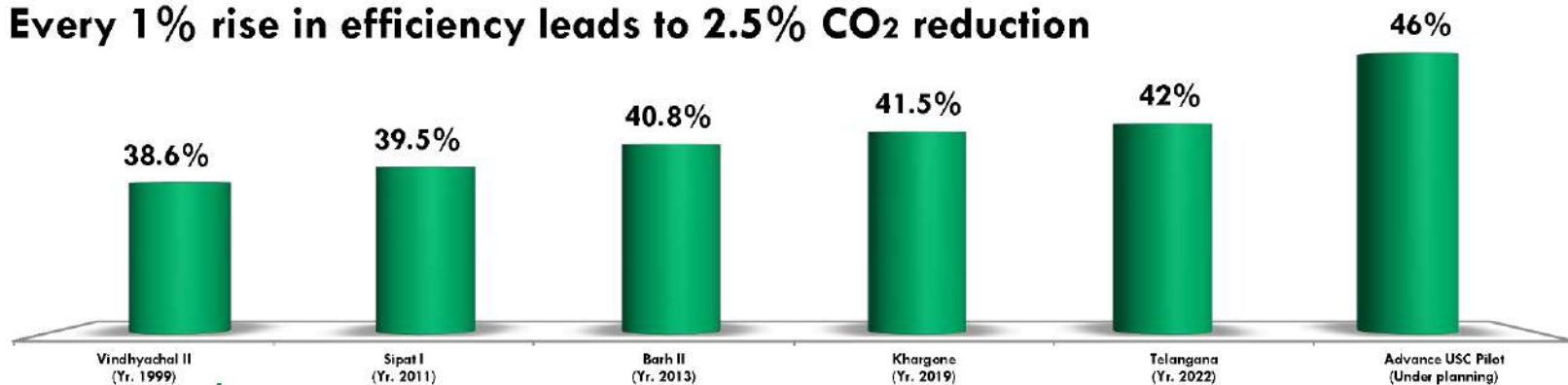


Key Sustainability initiatives



- Sustainability Strategy “Brighter Plan” with clearly defined KPIs and targets brought out
- Developing Net Zero Roadmap in collaboration with Niti Aayog
- World’s first Energy major to declare its Energy Compact goals
- Partnering in Global alliance for Sustainable Energy (GASE)
- Carbon sink - 37 million trees have been planted in and around NTPC projects
- Developing Mega Eco park at Badarpur which is bigger than New York Central park
- Regular interaction with MSCI and Sustainalytics to address contentious issues and sharing of data for improvement of ESG rating. Sustainalytics has upgraded our ESG rating by one notch recently.
- ESG profile of NTPC launched to enhance the visibility of our myriad efforts on ESG to rating agencies and to the public at large (<https://www.ntpc.co.in/en/sustainability/approach/ESGProfile/esg-profile>)
- Continuously winning the prestigious CII-ITC Sustainability Award

Every 1% rise in efficiency leads to 2.5% CO₂ reduction



Sustainability Strategy - The Brighter Plan



Aim to accelerate efforts in leading the energy transition to a decentralised, decarbonised and digitalised energy future on TBL (Triple Bottom Line) framework and setting new benchmarks in sustainability along the entire energy value chain



Focus on ensuring sustainability of business operations through co-creating innovative and sustainable solutions for better and greener energy future, leading to profitable business growth, reduced costs and mitigating risks of doing business in VUCA world

