

# 44<sup>th</sup> INTEGRATED ANNUAL REPORT 2019-20



## VISION

To be the  
World's Leading  
Power Company,  
Energizing India's  
Growth

## MISSION

"Provide Reliable Power  
and Related Solutions  
in an Economical,  
Efficient and Environment  
Friendly Manner,  
Driven by  
Innovation and  
Agility"

## CORE VALUES

### ICOMIT



**Integrity**  
सत्यनिष्ठा



**Customer Focus**  
ग्राहक को प्रधानता



**Organisational Pride**  
संगठन पर गौरव



**Mutual Respect and Trust**  
परस्पर विश्वास एवं आदर



**Innovation and Learning**  
नवप्रवर्तन एवं ज्ञानार्जन



**Total Quality and Safety**  
संपूर्ण गुणवत्ता एवं सुरक्षा



## CORPORATE OBJECTIVES

### ■ BUSINESS PORTFOLIO GROWTH

- To sustain NTPC's position as the leading power generation company in the world.
- To broaden the generation mix with significant proportion of clean energy sources.
- To enable the generation fleet to operate at optimum efficiency while meeting the demand and stability in the grid.
- To diversify into emerging businesses and markets across the power value chain including coal mining, power trading, ancillary services, E-mobility, storage and related adjacencies.
- To establish a strong services brand in domestic and international markets.

### ■ CUSTOMER FOCUS

- To foster a collaborative style of working with customers, growing to be a preferred brand for supply of quality and reliable power.
- To expand the customer portfolio through profitable diversification into downstream business inter alia E-mobility and direct supply.
- To ensure rapid commercial decision making, using customer specific information, with adequate concern for the interest of the customer.
- To adapt business models and organisation structures to capture value which is progressively shifting towards the customers.

### ■ AGILE CORPORATION

- To ensure effectiveness in business decisions and responsiveness to changes in the business environment by:
  - Adopting a portfolio approach to new business development.
  - Continuous and co-ordinated assessment of the business environment to identify and respond to opportunities and threats
- To create lean organization and business processes.
- To develop a learning organization having knowledge-based competitive edge in current and future businesses.
- To develop a culture of curiosity and innovation in learning and adopting new technologies, business models and operational philosophies in line with the evolving market and changing customer needs

### ■ PERFORMANCE LEADERSHIP

- To continuously strive for innovation in reducing costs, enhancing operational flexibility and in addressing changing customer needs.
- To continuously improve on project execution time and cost in order to sustain long term competitiveness.
- To effectively leverage Information Technology to drive process efficiencies and enable system flexibility in line with the market needs.
- To create capabilities to attain leadership in the new and emerging businesses.
- To embed quality and safety in all systems and processes.
- Support evolution of power markets to meet customer needs through products, platforms, services etc. to

create a win-win opportunity across stakeholders.

- To lead development efforts in the Indian power sector through stakeholder consultation.
- To assist in capacity creation of key stakeholders.

### ■ HUMAN RESOURCE DEVELOPMENT

- To enhance organizational performance by institutionalizing an objective and open performance management system.
- To align individual and organizational needs and develop business leaders by implementing a career development system.
- To build a lean organization with diverse skills and high ability to adapt to change
- To build and sustain a learning organization of competent world-class professionals.
- To institutionalize core values and create culture of team-building, ownership, empowerment, equity, innovation and openness which would motivate employees and enable achievement of strategic objectives.

### ■ FINANCIAL SOUNDNESS

- To maintain and improve the financial soundness of NTPC by prudent management of the financial resources.
- To continuously strive to reduce the cost of capital through prudent management of deployed funds, leveraging opportunities in domestic and international financial markets.
- To promote innovative funding models to support entry into new businesses and sustain long term growth.
- To develop appropriate commercial policies and processes which would ensure remunerative tariffs, balance capital work-in-progress and minimize receivables.

### ■ SUSTAINABILITY AND CORPORATE SOCIAL RESPONSIBILITY

- To deliver business and environmental value through projects which are beneficial for business and larger ecosystem.
- To ensure sustainable power development by ensuring minimal wastage across operations.
- To actively contribute towards societal development.
- To lead the sector in the areas of resettlement and rehabilitation and environment protection including effective ash-utilization, peripheral development and energy conservation practices.

### ■ RESEARCH & DEVELOPMENT

- To undertake R&D initiatives in sync with the overall business portfolio.
- To pioneer the adoption of reliable, efficient and cost-effective technologies by carrying out fundamental and applied research in alternate fuels and technologies.
- To collaborate with leading institutes, technology players and service providers, particularly in the area of power plant construction, generation technology, operations, renewable energy sources, storage, e-mobility, etc. that can contribute towards efficiency, reliability and environment friendliness.

## REFERENCE INFORMATION

### Registered Office

NTPC Bhawan, SCOPE Complex,  
7, Institutional Area, Lodhi Road,  
New Delhi-110 003  
Phone No.: 011-2436 0100  
Fax No. . 011-2436 1018  
Email: ntpccc@ntpc.co.in  
Web site: www.ntpc.co.in  
CIN: L40101DL1975GOI007966

### Registrar & Share Transfer Agent for Equity Shares

M/s Alankit Assignments Limited,  
Alankit House, 4E/2, Jhandewalan Extension,  
New Delhi-110055  
Contact Person: Shri Mahesh pandey,  
Shri Surinder Sharma  
Tel No.: 011-42541234  
Fax No.: 011-41543474  
Email: alankit\_ntpc@alankit.com

### Depositories

National Securities Depository Limited  
Central Depository Services (India) Limited

### Shares listed at

National Stock Exchange of India Limited  
BSE Limited

### Subsidiaries (as on 31.03.2020)

NTPC Electric Supply Company Ltd.  
NTPC Vidyut Vyapar Nigam Ltd.  
Kanti Bijlee Utpadan Nigam Ltd.  
Bhartiya Rail Bijlee Company Ltd.  
Patratu Vidyut Utpadan Nigam Ltd.  
Nabinagar Power Generating Company Ltd.  
NTPC Mining Ltd.\*  
THDC India Ltd.®  
North-Eastern Electric Power Corporation Ltd.®  
\*Incorporated on 29/8/2019  
®Acquired w.e.f. 27/3/2020

### Company Secretary

Ms. Nandini Sarkar

### Auditors

1. M/s S.K.Mehta & Co.
2. M/s S.N.Dhawan & Co LLP
3. M/s Varma & Varma
4. M/s Parakh & Co.
5. M/s C.K.Prusty & Associates
6. M/s B.C.Jain & Co.
7. M/s V.K.Jindal & Co.

### Bankers





## SUPPORT 'GREEN INITIATIVE'

### GREEN INITIATIVE IN THE CORPORATE GOVERNANCE

The Ministry of Corporate Affairs has taken a "Green Initiative in the Corporate Governance" by allowing paperless compliances by the companies and has issued circulars stating that service of notice/ documents including Annual Reports can be sent by e-mail to its members. To support this green initiative of the Government in full measure, members who have not registered their e-mail addresses, so far, are requested to register their e-mail address, in respect of electronic holdings with the Depository through their concerned Depository Participants. Members who hold shares in physical form are requested to get their e-mail address registered with Alankit Assignments Limited, RTA of the Company.

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## Annual General Meeting

Date	:	24 <sup>th</sup> September, 2020
Time	:	10:30 A.M.
Venue/Mode	:	Video Conferencing ("VC")/ Other Audio-Visual Means ("OAVM")



NTPC, Simhadri Super Thermal Power Project



# About the REPORT



## SCOPE OF THE REPORT

The NTPC Integrated\* Annual Report has been prepared in accordance with the <IR> Framework laid down by the International Integrated Reporting Council (IIRC). Also, other frameworks such as GRI Standards "Comprehensive" with EUSS, National Voluntary Guidelines (NVGs), United Nations Sustainable Development Goals (UN SDGs) and the United Nations Global Compact (UNGC) principles has been referenced in the content preparation. The financial and statutory information in this report is in accordance with the requirements of the Companies Act, 2013, Indian Accounting Standards, the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015 and the Secretarial Standards.

## BOUNDARY OF THE REPORT

This report covers the business activities of NTPC Limited and its Joint

Ventures & Subsidiaries covering electricity generation (Thermal, Renewables, Hydro), Consultancy, Business Development, NETRA and Energy Trading. All stations/ plants considered in current report are located in India and are under operation. The report covers data and information for the period April 1, 2019 to March 31, 2020. There have been considerable changes in the installed capacity of power generation plants during this reporting period. Also, there is change in share ownership structure of the company due to disinvestment by GoI. The details have been provided in the manufacturing capital section of this report.

## REPORT METHODOLOGY

For collection of data on performance indicators, a uniform approach is followed across all NTPC stations. Collected data is then processed at individual operating stations in accordance with universally accepted methodologies following

approaches of measurement, calculation and analysis. There is no re-statement or significant change in measurement methods applied in this report with respect to the previous report, except if mentioned, wherein applicable. Report content and aspect boundary provided in the report has been reviewed and approved by top management of the company.

## ASSURANCE OF THE REPORT

Non-financial information in this report, has been independently assured by M/s KPMG, India. A reasonable assurance was conducted in accordance with ISAE 3000 Standards, covering qualitative and quantitative information.

NTPC appreciates feedback from all stakeholders. For any additional information regarding sustainability report, please reach out to the addresses given below:

### Headquarter

**NTPC Limited**  
(A Govt. of India Enterprise)  
NTPC Bhawan,  
Core-7, Scope Complex  
7, Industrial Area, Lodhi Road  
New Delhi-110003

### CSO's Office

Engineering Office Complex (EOC)  
**NTPC Limited**  
Sector - 24, Noida - 201 301 (U.P.)  
Email- sustainability@ntpc.co.in  
Phone: (+91) 120 - 2410350,  
Fax: (+91) 120 - 2410500

\*First Integrated Report



View of NTPC Ramagundam Super Thermal Power Project





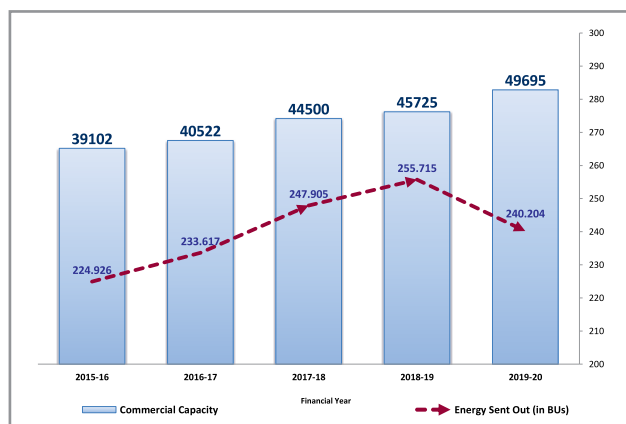
## THE YEAR AT A GLANCE

		2019-20	2018-19
Gross generation	Million Units	259618	274454
Commercial generation	"	257829	273540
Energy sent out	"	240204	255715
Sale of energy (including electricity duty)*	₹ Crore	96841	89316
Profit before tax	"	14466	12673
Profit for the year	"	10113	11750
Dividend	"	2968	4923
Dividend tax	"	608	1000
Retained profit	"	6537	5827
Total fixed assets	"	230171	216827
Net worth	"	113569	107408
Total non-current borrowings including current maturities	"	152694	127430
Capital employed	"	147014	131354
Net cash from operations	"	22014	16157
Value added	"	37587	33571
No. of employees	Number	17398	18359
Value added per employee	₹ Crore	2.16	1.83
Debt to equity	Ratio	1.35	1.19
Debt service coverage ratio (DSCR)	Times	2.07	2.21
Interest service coverage ratio (ISCR)	Times	4.45	5.26
Return on capital employed	%	10.48	12.51
Face value per share	₹	10.00	10.00
Dividend per share	"	3.00	5.97**
Book value per share	"	114.78	108.55
Earnings per share	"	10.22	11.88

\* Including Sale of energy through trading.

\*\* Bonus Shares issued in March 2019 in the proportion 1 equity share for every 5 existing equity share

## Commercial Capacity &amp; Energy Sent Out



## Profit for the Year

