



A Maharatna Company

CLEANER
GREENER
BRIGHTER
TOGETHER

ESG DATABOOK

FY 2025 – 26

PEOPLE
POWER
PROGRESS
A STRONGER
TOMORROW

ENERGY
FOR A
BRIGHTER
INDIA

Building Viksit Bharat

Reliable Power, Responsible Operations,
and Sustainable Development.

DATA
INSIGHTS
TRANSPARENCY
FOR A
SUSTAINABLE
TOMORROW



ENVIRONMENT



SOCIAL



GOVERNANCE

NTPC Limited

Powering India's Sustainable Future

RELIABLE
RESPONSIBLE
SUSTAINABLE

Reporting period and boundary

The ESG Databook FY 2025–26 presents NTPC’s financial and non-financial performance for the period from 1 April 2025 to 31 March 2026. The reporting boundary for financial information is aligned with NTPC’s consolidated financial statements and encompasses the operations and business activities of the NTPC Group, comprising NTPC Limited, its subsidiaries and joint ventures.

The reporting boundary for non-financial information includes NTPC Limited and selected subsidiaries and joint ventures, collectively referred to in this Databook as the “Group-level” reporting boundary. Unless otherwise specified, the disclosures and performance data presented in the Databook are reported at the Group level. Certain indicators may, however, be reported for a different or more limited boundary based on the nature of the disclosure and the availability or applicability of data. The applicable reporting boundary is stated alongside the relevant indicator, table or explanatory note. In particular, certain workforce-related disclosures in this Databook are expressly limited to employees covered under the purview of NTPC Limited and should not be interpreted as representing the entire Group-level workforce.

Further information on NTPC’s subsidiaries and joint ventures, including NTPC’s shareholding in these entities, is provided on page 199 of the [Sustainability Report FY 2025–26](#) .

Governance Performance

GRI 201-1 Economic Value Generated, Distributed and Retained

Category	Unit	2025-26
Total revenue	₹ Cr	1,89,798.56
Operating Cost	₹ Cr	1,23,153.55
Total employee-related expenses (salaries and benefits)	₹ Cr	6,986.28
Payments to providers of capital	₹ Cr	22,560.15
Payment to the government(s)	₹ Cr	4,357.45
Community investments	₹ Cr	487.58
Economic Value distributed	₹ Cr	1,57,545.01
Economic value retained	₹ Cr	32,253.68

GRI 415-1 Political Contributions

NTPC is a government company owned by the Ministry of Power, Government of India. Therefore, as per Section 182 of the Companies Act, 2013, a government company is not allowed to contribute to any political party.

Section 182 (1) states, “Notwithstanding anything contained in any other provision of this Act, a company, other than a Government company and a company which has been in existence for less than three financial years, may contribute any amount directly or indirectly to any political party”.

Philanthropic Contributions

Category	Unit	2025-26
CSR expense	₹ Cr	487.59
Community investments	% of total CSR spend	100%

GRI 2-28 Policy Influence, Lobbying & Trade Associations

Category	Unit	2022-23	2023-24	2024-25	2025-26
Total Contributions towards Lobbying, interest representation or similar	₹	0	0	0	0
Local, regional or national political campaigns/organizations/candidates	₹	0	0	0	0
Total Contribution towards Trade associations or tax-exempt groups (including membership fees)	₹	0	0	0	0
Total contributions	₹	0	0	0	0

GRI 205-3 Confirmed incidents of corruption and actions taken,

GRI 206-1 Legal actions for anti-competitive behaviour, anti-trust, and monopoly practices,

GRI 418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data

Category	Unit	2025-26
Incidence/investigations related to anti-competitive practices	No.	0
Confirmed cases of corruption and bribery	No.	0
Number of incidents of conflicts of interest	No.	0
Number of incidents of insider trading	No.	0
Number of Whistle Blower Complaints received	No.	6
Number of incidents of money laundering	No.	0
Total no. of information security breaches	No.	0
Total number of clients, customers and employees affected by the information security breaches	No.	NA
Complaints concerning breaches of customer privacy and losses of customer data	No.	0
Incidents of Non-compliance of Code of Conduct cases	No	26

In FY 2026, NTPC incurred no fines and had no convictions related to corruption or bribery.

CEO-to-Employee Pay Ratio

Indicator	2025-26
Total annual compensation of the CEO (or any equivalent position): <i>Total compensation includes fixed and variable compensation as well as all other parts of compensation which are required to be included in total remuneration reporting according to national accounting standards</i>	₹ 2,74,51,520.00
Indicate median annual compensation of all employees, except the Chief Executive Officer (or any equivalent position)	₹ 29,46,115.47
Ratio between the total annual compensation of the CEO and the median employee compensation.	9.32

Management Ownership

Position	Name	No. of Shares	Multiple of base salary
Chairman and Managing Director	Shri Gurdeep Singh	5,828	0.25
Across other Executive Committee members owning shares	Shri Jaikumar Srinivasan, Shri Shivam Srivastava, Shri Shanmugha Sundaram Kothandapani, Shri Ravindra Kumar, Shri Anil Kumar Jadli	5,542	0.34

Name	Base Salary (₹)	No. of Shares held
Shri Gurdeep Singh, Chairman and Managing Director	86,59,368	5,828
Shri Jaikumar Srinivasan, Executive Director (Finance)	1,70,99,288	5
Shri Shivam Srivastava, Executive Director (Fuel)	55,07,669	271
Shri Shanmugha Sundaram Kothandapani, Executive Director (Projects)	66,19,423	0
Shri Ravindra Kumar, Executive Director (Operations)	60,94,390	5,266
Shri Anil Kumar Jadli, Executive Director (HR)	56,16,048	0

GRI 204-1 Suppliers and Procurement Spend

Category	Unit	2025-26
Total suppliers	No.	11,565
Total Critical Suppliers	No.	216
Total Non-Critical Suppliers	No.	11,349
Total procurement spends	₹ Cr	32,685
No. of MSME suppliers	No.	7,244

Social Performance

GRI 2-7 Employees

GRI 2-8 Workers who are not employees

GRI 405-1 Diversity of governance bodies and employees

Employee Category	Classification	Headcount						Total
		<30		30-50		>50		
		Male	Female	Male	Female	Male	Female	
Permanent Employee	Board of Directors and KMP	0	0	0	1	6	0	7
	Top/ Senior management	0	0	41	0	220	2	263
	Middle management	0	0	3,419	195	1,655	89	5,358
	Lower/Junior management	2,692	282	6,500	564	1,092	74	11,204
Total Permanent Employees		2,692	282	9,960	760	2,973	165	16,832
Permanent workers	Workmen	566	48	2,396	232	2,310	278	5,830
Total Permanent Workforce		3,258	330	12,356	992	5,283	443	22,662
Other than permanent employee	Trainees	960	103	114	6	0	0	1,183
	Employees on contract	349	79	889	80	65	0	1,462
	Employees on Secondment	0	0	0	0	2	1	3
Total Employees		4,567	512	13,359	1,078	5,350	444	25,310
Other than permanent workers	Contractual Workers	3,941	71	15,120	356	1,383	38	20,909

Workforce Breakdown: Gender (Across Levels & Functionality)

Category	Total	Women	Percentage of women
Management positions, including junior, middle and top management	12,837	963	7.50%
First level of management – Junior management	8,271	723	8.74%
Leadership team - Two levels away from the CEO	37	2	5.41%
Management positions in revenue-generating functions	7,493	366	4.88%
Women in STEM-related positions	7,643	398	5.21%
Employees Employed in Clean energy domains	587	31	5.28%

Note: Data covers the employees covered under the purview of NTPC Ltd.

Workforce Breakdown by Other Categories

Category	No	% of the total workforce
People with disabilities	609	2.41%
OBC/SC/ST Employees	10,724	42.37%

GRI 202-2 Workforce Breakdown: Nationality

Nationality	Share in total workforce (as % of total workforce)	Share in all management positions, including junior, middle and senior management (as % of total management workforce)
India	100%	100%

GRI 401-1 New employee hires and employee turnover

		New Hires						
Employee Category	Classification	<30		30-50		>50		Total
		Male	Female	Male	Female	Male	Female	
Permanent employee	Board of Directors and KMP	0	0	0	0	0	0	0
	Top/ Senior management	0	0	16	0	11	2	29
	Middle management	112	14	326	17	5	0	474
	Lower/Junior management	61	11	247	26	0	0	345
	Cadre Employees	0	0	0	0	0	0	0
Permanent workers	Workmen	36	19	3	3	0	0	61
Other than permanent employees	Trainees	785	236	67	16	2	0	1,106
	Employees	126	29	155	18	0	0	328
	Regular employees	31	0	4	0	0	0	35
Total								2,378

Hiring

Category	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Percentage of open positions filled by internal candidates (internal hires)	%	0	0	0	0
Total no. of new hires	No.	1,053	1,847	1,728	2,378

Employee Voluntary Turnover (Gender, Age & Management Level)

Employee Category	Classification	<30		30-50		>50		Total
		Male	Female	Male	Female	Male	Female	
Permanent employee	Board members and CS	0	0	0	0	0	0	0
	Top/ Senior management	0	0	0	0	74	4	78
	Middle management	1	1	27	0	297	9	335
	Lower/Junior management	115	10	218	15	250	18	626
	Cadre Employees	9	1	29	1	0	0	40
Permanent workers	Non-Exec	7	0	8	0	484	48	547
Other than permanent employee	Trainees	51	9	15	5	0	0	80
	Employees	77	38	124	16	2	0	257
	Regular employees	0	10	0	0	0	0	10
Total								1,973

Employee Total Turnover

Employee Category	Classification	<30		30-50		>50		Total
		Male	Female	Male	Female	Male	Female	
Permanent employee	Board of Directors and KMP	0	0	0	0	0	0	0
	Top/ Senior management	0	0	0	0	74	4	78
	Middle management	1	1	28	0	297	9	336
	Lower/Junior management	115	11	220	15	251	18	630
	Cadre Employees	9	1	29	1	0	0	40
Permanent workers	Workmen	7	0	9	0	485	48	549
Other than permanent employees	Trainees	53	9	15	5	0	0	82
	Employees	77	38	124	16	2	0	257
	Regular employees	0	10	0	0	0	0	10
Total								1,982

Category	No.	Value (%)
Voluntary turnover rate	1,973	7.86%
Total employee turnover rate	1,982	7.90%
Data coverage (as % of all FTEs globally)	100%	100%

GRI 401-2 Employee Benefits

Category/types of benefits provided	Permanent employees	Temporary employees
Life insurance	Yes	Yes
Health care	Yes	Yes
Disability	Yes	No
Parental leave (maternity leave or paternity leave)	Yes	Yes
Marriage leaves (additional to normal leaves allotted)	Yes	Yes
Retirement provision	Yes	No
Stock ownership	No	No
Transportation	Yes	No
Housing	Yes	Yes
Food allowance	Yes	Yes
Extra paid holidays	Yes	No
Car lease	Yes	No
Sabbatical	Yes	No

Employee Engagement

Indicator	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Employee Satisfaction	% of employees with top level of engagement, satisfaction, wellbeing, or employee net promoter score (eNPS)	78%	73%	79%	82%
Data coverage	% of employees who responded to the survey	100%	100%	100%	100%

GRI 401-3 Parental leave (Permanent employees)

Category	Permanent Employees			Permanent Workers		
	Male	Female	Total	Male	Female	Total
Employees entitled to parental leave	14,172	1,278	15,450	5,563	592	6,155
Employees that took parental leave	778	62	840	217	14	231
Employees that returned to work in the reporting period after parental leave ended	771	55	826	213	12	225
Employees that returned to work after parental leave ended that were still employed 12 months after their return to work	705	63	768	186	16	202
Rate of return to work that took parental leaves	99.10%	88.71%	98.33%	98.16%	85.71%	97.40%
Retention rate of employees that took parental leave	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Employee Support Programs

Paid parental leave for the primary caregiver (total number of paid leave in weeks offered to the majority of your employees)	No. of weeks	52
Paid parental leave for the non-primary caregiver (total number of paid leave in weeks offered to the majority of your employees)	No of days	2

GRI 2-30 Trade Union and Collective Bargaining/Freedom of Association Coverage

Category	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Employees represented by an independent trade union	%	53.12%	61.19%	67.91%	70.96%

Note: Data is at a standalone level

GRI 403-9 Work Related Injuries**GRI 403-10 Work related ill-health**

Parameter	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Fatalities (Employees)	No.	1	0	0	0
Fatalities (Contractors)	No.	4	5	4	9
Lost-Time Injury Frequency Rate (LTIFR) – Employees	No.	0.141	0.073	0.097	0.023
Lost-Time Injury Frequency Rate (LTIFR) – Contractors	No.	0.067	0.086	0.094	0.074
Data Coverage	%	100%	100%	100%	100%

Safety Incidents (FY 2025-26)	Employees	Contractors
Total recordable work-related injuries	2	34
High-consequence work-related injuries (excluding fatalities)	0	2
Injury Rate (TRIR)	0.057	0.160

GRI 404-1 Average hours of Training per year per employee

Category	Average Hours (2025-26)		No. of Employees Trained		Total Hours	
	Male	Female	Male	Female	Male	Female
Top Management / Senior Management	26	33	60	4	1,560	132
Middle management	48	49	4,652	272	2,22,297	13,329
Lower/ Junior management	55	56	9,037	885	4,98,999	49,863
Other than permanent employees- Trainees	148	99	1,101	114	1,63,176	11,280
Other than permanent employees- Employees	43	27	919	111	39,405	3,012
Workmen	23	33	5,069	635	1,17,900	21,228

Average Hours & Amount Spent on Training & Development

Category	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Average hours per FTE of training and development	Hours	43	42	46.04	50
Total amount spent per FTE on training and development*	₹ Cr	42.82	54.81	40.11	46.28
Average amount spent per FTE on training and development*	₹	25,954.66	33,502.44	24,090	31,581.82

*Data at a standalone level

GRI 404-3 Performance and Career Development Review

Category	FY 2025-26		
	Total (A)	No. (B)	% (B / A)
Employees*			
Male	18,004	18,004	100%
Female	1,476	1,476	100%
Total	19,480	19,480	100%
Workers**			
Male	5,272	5,272	100%
Female	558	558	100%
Total	5,830	5,830	100%

*: Employees include both Permanent and Other than Permanent Employees

**: Workers include only Permanent Workers

Performance Management Appraisal System

Type of Appraisal	Available (Yes/No)	Frequency
Management by objectives	Yes	At least yearly
Multidimensional performance appraisal	Yes	At least yearly
Team-based performance appraisal	Yes	At least yearly
Agile conversations	Yes	At least yearly

GRI 405-2 Gender-pay indicators

Executive Categories	FY 2025-26	
	Ratio of basic salary of women to men	Ratio of total remuneration of women to men
Board of Directors and Key Managerial Personnel	1	1
Top/ Senior management	1	1
Middle management	1	1
Lower/Junior management	1	1
Workmen	1	1
Trainees	1	1
Other than Permanent Employees	1	1

GRI 406-1 Incidents of discrimination and corrective actions taken,**GRI 408-1 Operations and suppliers at significant risk for incidents of child labor****GRI 409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor**

Parameters	Unit	FY 2025-26	
		Filed during the year	Pending resolution at the end of year
Sexual Harassment	No.	5	1
Discrimination at workplace	No.	0	0
Child Labour	No.	0	0
Forced Labour/Involuntary Labour	No.	0	0
Wages	No.	0	0
Other human rights related issues	No.	0	0

Data provided at a Standalone level

GRI 417-2 Ethical Marketing Performance

Incidents	FY 2025-26	FY 2024-25
Incidents of non-compliance concerning product and service information and labelling	NA	NA
Incidents of non-compliance concerning marketing communications	NA	NA

Environmental Performance

Energy

GRI 302-1 Energy consumption within the Organization

Energy Consumption	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Total non-renewable energy consumption	GWh	10,41,777.46	11,18,416.88	11,64,507.92	10,81,631.80
Total renewable energy consumption	GWh	68.52	3,029.98	13,502.05	6,032.02

Energy consumption - Sectoral Distribution

Energy Consumption	Power Generation	Mining	Fertilizer
Total Energy consumption	3,91,47,71,054.78 GJ	1,96,759.18 MWh	22,413.63 MWh
Production	43,21,80,000.00 MWh	4,86,50,000.00 MT	38,93,666.00 MT
Energy Intensity	9.058 GJ/MWh	0.004 MWh/MT	0.005 MWh/MT

GRI 302-1 Material and Energy consumption within the Organization

Energy Consumption	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Coal	MMT	250.20	264.52	282.74	270.04
	Kcal/Kg	3,522.76	3,489.09	3,410.24	3,383.66
	GJ	3,69,02,83,551.78	3,86,41,61,275.79	4,03,43,17,670	3,82,30,19,318.014
	GWh	10,24,393.22	10,72,660.29	11,20,643.80	10,61,949.81
Natural Gas	MMSCM	1,386.95	1,991.21	1,909.35	1,519.21
	Kcal/SCM	9,279.31	9,334.20	9,310.57	9,283.00
	GJ	5,38,83,796.02	7,78,17,394.58	7,44,29,268.34	5,90,45,675.52
	GWh	14,967.72	21,615.94	20,674.80	16,401.58

Naptha	MT	16,355.58	304.86	0.40	0.40
	Kcal/Kg	11,361.41	11,382.77	10,491.87	10,492.00
	GJ	7,77,481.61	14,519.21	17.54	17.54
	GWh	215.9671	4.0331	0.0049	0.0049
LDO	KL	1,44,360.29	1,47,859.71	1,58,802.93	2,04,579.00
	Kcal/L	8,870.84	9,422.34	9,380.15	9,372.00
	GJ	53,58,019.67	58,29,083.52	62,32,463.29	80,22,043.40
	GWh	1,488.34	1,619.19	1,731.24	2,228.35
HFO	KL	38,087.07	34,714.05	27,499.42	37,510.00
	Kcal/L	9,249.86	9,239.56	9,557.39	9,814.00
	GJ	14,74,023.81	13,41,986.03	10,99,650.42	15,40,227.22
	GWh	409.45	372.77	305.46	427.84
HSD	KL	28,835.93	65.15	0.00	0.00
	Kcal/L	9,033.86	9,044.21	0.00	0.00
	GJ	10,89,931.27	2,465.45	0.00	0.00
	GWh	302.76	0.68	0.00	0.00
Biomass	MMT	0.02	0.17	0.70	1.54
	Kcal/Kg	2,943.00	3,226.18	3,004.15	3,247.00
	GJ	2,46,688.90	23,17,923.52	88,42,115.92	2,09,75,931.71
	GWh	68.52	643.87	2,456.14	5,826.65
LSHS	KL	0.00	9961.06	7,757.02	9,299.00
	Kcal/L	0.00	9740.15	9,778.90	9,822.00
	GJ	0.00	405,941.19	3,17,378.08	3,82,144.71
	GWh	0.00	112.76	88.16	106.15

GRI 302-1 Auxiliary Power Consumption

Type	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Coal Stations	GWh	25,114.09	26,533.8	28,086.46	28,765.81
	%	6.68	6.73	6.85	7.30
Gas Stations	GWh	187.11	286.21	300.88	255.03
	%	3.61	3.72	4.17	4.91
Hydro	GWh	71.48	67	84.16	101.12
	%	0.56	0.54	0.63	0.65
Small Hydro	GWh	2.13	2.36	1.97	1.98
	%	1.87	2.09	2.08	2.08
Solar	GWh	81.12	124.7	147.96	296.61
	%	1.81	1.92	1.91	1.90
Wind	GWh	2.75	2.52	2.93	12.34
	%	0.85	0.74	0.75	0.76
Total	GWh	25,458.68	27,015.58	28,624.35	29,432.34
	%	6.38	6.42	6.4	6.81

GRI 302-1 Material (Non-Energy) Used

Input Material	Chlorine	Ammonia	Alum	HCl	H2SO4	Lube oil	Transformer Oil	NaOH	Control Fluid	NaCl
UOM	MT	MT	MT	MT	MT	KI	KI	MT	KI	MT
Consumption	2,608.83	1,394.34	19,465.90	45,344.02	33,304.37	3,567.80	334.85	8,395.96	336.43	16,259.84

GRI 302-4 Reduction of Energy Consumption

Indicator	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Electrical Energy	MU	139.61	142.71	145.81	147.87
Heat Energy (Eq. MT of coal)	MT	23,022	36140	35,689	210,530
Total Energy Saved	TJ	1,735.5	1,921.9	1,955.4	4,516.23

Water

GRI 303-3 Water Withdrawal by Source

KPI	Unit	FY 2022-23		FY 2023-24		FY 2024-25		FY 2025-26	
		All Areas	Water Stressed Area	All Areas	Water Stressed Area	All Areas	Water Stressed Area	All Areas	Water Stressed Area
Surface water (Rivers, lakes, reservoir, Wetland)									
- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	MCM	5,478.26	5,390.70	6,015.03	5,924.94	6,204.27	5,848.80	6,079.16	965.65
- other water (> 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0	0	0	0	0.28	0.28
Collected Rainwater (Artificial reservoir)									
- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	MCM	4.10	0.07	5.85	4.13	2.91	1.68	3.07	2.46
- other water (> 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0	0	0	0	0	0
Ground water									
- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0.36	0.36	1.29	0.48	1.61	0.39
- other water (> 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0	0	0	0	6.23	0.00
Water from third-party									
- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	MCM	0.55	0.24	0.46	0.46	3.03	0	0.23	0.10

- other water (> 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0	0	0	0	0	0
Withdrawal from non-scarce source									
Sea water									
- freshwater (≤ 1,000 mg/l Total Dissolved Solids)	MCM	0	0	0.00	0.00	0	0	0.00	0
- other water (> 1,000 mg/l Total Dissolved Solids)	MCM	179.10	0	168.76	168.76	182.11	94.32	172.27	91.73
Total Water Withdrawal	MCM	5,662.01	5,391.01	6,202.23	6,106.96	6,393.61	5,945.28	6,262.85	1,060.60

GRI 303-4 Water Discharge by Source

KPI	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
		All Areas	All Areas	All Areas	All Areas
Water Discharge by Destination & Level of Treatment					
Total Surface water (wetlands, lakes, rivers)		4,410.97	4,889.80	5,072.98	4,984.81
No treatment	MCM	4,401.83	4,889.29	5,072.21	4,984.29
Primary treatment	MCM	0.01	0.17	0	0.21
Secondary treatment	MCM	9.13	0.34	0.78	0.31
Groundwater	MCM	0	0.0	0	0
Third party water	MCM	0	0.0	0	0
Seawater	MCM	117.34	155.26	135.67	114.52
No treatment	MCM	117.34	155.26	135.67	114.52
Total Water Discharge	MCM	4,528.31	5,045.06	5,208.65	5,099.33
Water Discharge by Technology					
Discharge of water used once through cooling system	MCM	4,519.17	5,044.54	5,207.88	5,098.82
Other surface water discharge	MCM	9.14	0.51	0.78	0.51
Water discharge by freshwater and other water					

- freshwater ($\leq 1,000$ mg/l Total Dissolved Solids)	MCM	4,410.97	4,889.80	5,072.98	4,984.29
- other water ($> 1,000$ mg/l Total Dissolved Solids)	MCM	117.34	155.26	135.67	114.52

Water Requirement Reduction as per NTPC's 3R

KPI	UOM	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Rainwater					
Surface water storage	MCM	4.10	5.85	8.80	6.75
Ground water Recharge	MCM	0.48	0.52	1.90	3.85
Waste Water Reuse & Recycling					
Wastewater Generated	MCM	354.23	380.03	686.04	417.56
Wastewater Reused (No Treatment)	MCM	273.14	323.90	566.79	336.91
Wastewater Treated					
Primary treatment	MCM	0.08	5.87	4.92	2.72
Secondary treatment	MCM	80.83	51.96	113.67	77.74
Tertiary treatment	MCM	0.19	0.09	0.91	0.13
Wastewater Recycled					
Primary treatment	MCM	0.06	4.56	4.67	2.72
Secondary treatment	MCM	71.70	51.25	113.67	77.70
Tertiary treatment	MCM	0.19	0.09	0.91	0.13
Wastewater (Treated) Discharged	MCM	9.14	0.51	0.78	0.51
Percentage of recycled and reused water	%	97.42%	99.94%	100%	99.97%

GRI 303-5 Water Consumption

KPI	Unit	FY 2022-23		FY 2023-24		FY 2024-25		FY 2025-26	
		All Areas	Water Stressed Area	All Areas	Water Stressed Area	All Areas	Water Stressed Area	All Areas	Water Stressed Area
Natural Fresh Surface water	MCM	1,068.36	987.04	1,125.73	1,043.19	1,125.63	570.87	1,099.05	618.16
Sea water (Desalinated)	MCM	4.58	-	4.72	-	5.45	5.45	3.76	3.76
Rainwater (Harvested)	MCM	0.85	-	2.30	-	2.91	1.96	3.07	2.46
Total Fresh Water Consumption	MCM	1,073.79	987.04	1,132.75	1,043.19	1,134.00	578.29	1,105.88	624.38
Sea water	MCM	57.18	-	8.78	-	40.99	9.44	53.98	26.93
Total Water Consumption	MCM	1,130.97	987.04	1,141.53	1,043.19	1,174.99	587.73	1,159.87	651.61

Water Consumption and Intensity – Sectoral Distribution

KPI	Power Generation	Fertilizer	Mining
Total Water Consumption	1,083.07 MCM	16.21 MCM	6.59 MCM
Production	43,21,80,000.00 MWh	38,93,666.00 MT	4,86,50,000.00 MT
Intensity	2.51 KL/MWh	4.16 KL/MT	0.14 KL/MT

GHG Emissions

GRI 305-1 Direct GHG emissions

Details	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
CO2 emissions from the electricity production					
Emissions from coal electricity gen.	Mil TCO ₂ e	333.69	353.35	371.17	334.38
Emissions from gas electricity gen.	Mil TCO ₂ e	2.78	3.85	3.69	2.87
Other CO₂eq emissions due to electricity production and other activities					
Coal Transportation (MGR)	Mil TCO ₂ e	0.02	0.03	0.03	0.02

of which: emission from losses of SF6 from energy production	Mil TCO ₂ e	0.02	0.04	0.04	0.13
of which: emission from losses of HFCs from energy production	Mil TCO ₂ e	0.00021	0.00004	0.0555	0.06
Emission from other fuel combustion	Mil TCO ₂ e	-	-	-	0.42
Total direct emissions (Scope 1)	Mil TCO₂e	336.48	353.29	371.30	337.88

GRI 305-2 Indirect GHG emissions

Details	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Total indirect emissions (Scope 2 – Location-based)	TCO ₂ e	85,743.45	74,800.51	97,954.60	3,28,398.42

GRI 305-3 Other indirect GHG emissions

Details	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Purchased Goods and Services	TCO ₂ e	-	-	-	88,33,277.22
Capital Goods	TCO ₂ e	-	-	-	3,69,435.91
Fuel and Energy Related	TCO ₂ e	-	-	-	13.24
Transportation and Distribution	TCO ₂ e	19,81,386.4	17,54,281.4	14,21,725.1	7,36,796.84
Business Travel	TCO ₂ e	4,202	5,025	6,065	3,304.94
Employee Commute	TCO ₂ e	17,421	29,655	17,928	23,934.94
Transportation	TCO ₂ e		5,22,293	5,64,118	6,61,282
Use of Sold Products	TCO ₂ e				31,39,518.29
Total indirect emissions (Scope 3)	TCO₂e	20,03,010	23,11,254.40	20,09,836.10	1,37,67,563.37

Note: Scope 3 emissions for joint ventures and subsidiaries, have been accounted for in proportion to NTPC's equity share. Further, where data was available, emissions from joint ventures and subsidiaries have been included under relevant categories such as Employee Commuting, Downstream Transportation and Distribution, and Use of Sold Products.

GRI 305- 4 GHG emissions intensity

Details	Unit	FY 2025-26
Scope 1 + Scope 2	TCO ₂ e	33,82,12,716.19
Scope 3	TCO ₂ e	13,767,563.37
Revenue from Operations	₹ Crore	1,87,384.63
Scope 1 and Scope 2 emissions intensity	TCO ₂ e /INR Crore	1,804.91
Scope 3 emission intensity	TCO ₂ e /INR Crore	73.47

Note: As the reporting boundary for FY 2025-26 includes NTPC standalone, its joint ventures, and subsidiaries engaged in businesses other than power generation, GHG emissions intensity has been calculated using consolidated revenue as the denominator.

GHG emissions – Sectoral Distribution

Category	Unit	Power Generation	Fertilizer	Mining	Services
Direct GHG emissions					
Stationary	TCO ₂ e	33,72,54,739.3	43.70	1,128.10	20.00
Fugitive	TCO ₂ e	1,92,543.80	103.06	336.29	174.63
Mobile	TCO ₂ e	25,650.57	98.17	1,17,217.28	19.67
Process	TCO ₂ e	11,508.0	2,68,578.99	12,156.20	0
Total Scope 1	TCO₂e	33,74,84,441.66	2,68,823.97	1,30,837.86	214.29
Other indirect GHG emissions					
Scope 2	TCO ₂ e	1,78,443.31	4,684.23	1,39,550.11	5,720.76
Scope 3	TCO ₂ e	1,06,26,095.73	31,39,518.29	1,918.46	30.89

GHG Mitigation

Type	UOM	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Carbon Sink created	Million Ton	0.76	0.78	0.80	0.82
Avoided emissions	Million Ton	16.91	18.36	20.52	31.5

Air Emissions

GRI 305-7 Nitrogen oxides (NOx), Sulfur oxides (SOx), and other significant air emissions

Details	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Sulfur Oxides (SOx)	MT	17,67,481.6	18,63,639.27	17,92,789.69	13,41,551.45
Nitrogen oxides (NOx)	MT	6,57,376.38	6,71,807.38	6,92,467.75	5,90,619.08
Particulate matter (PM)	MT	89,294.96	96,752.02	90,655.64	70,666.70
Mercury (Hg)	MT	7.00	8.53	8.87	6.25
Specific Emissions					
Sulfur Oxides (SOx)	g/kWh	4.43	4.41	4.08	3.10
Nitrogen oxides (NOx)	g/kWh	1.65	1.59	1.58	1.36
Particulate matter (PM)	g/kWh	0.22	0.23	0.21	0.16
Mercury (Hg)	g/kWh	0.00	0.00	0.00	0.00

Waste Management

GRI- 306-3 Waste Generated

Waste Category	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Hazardous Waste					
PCB	MT	0	0	403.25	0.00
Spent Resin	MT	80.12	133.04	144.51	128.24
Used Oil	MT	1,783.84	1,221.9	1,722.58	2,275.39
Discarded Containers	MT	567.91	1,110.37	3,854.49	422.41
Insulation Waste	MT	2,204.98	1,860.59	1,915.23	2,124.16
FO Sludge	MT	195.39	57	242.37	208.91
Oil Soaked cotton	MT	0	0	0	10.26
ETP Sludge and MEE Salt	MT	0	0	0	710.61
Other Hazardous waste	MT	0	0	0	35.13
Total Hazardous Waste generation (A)	MT	4,832.24	4,382.90	8,282.43	5,915.10
Non-Hazardous Waste					
Ferrous	MT	31,550.01	29,795.49	38,996.92	37,752.34

Non-Ferrous	MT	3,546.28	3,295.41	3,884.75	5,375.55
Municipal Solid Waste Biodegradable	MT	4,952.24	5,070.04	3,582.2	5,658.95
Municipal Solid Waste Non-Biodegradable	MT	1,981.3	2,883.77	1,953.24	1,948.80
Plastic Waste	MT	353.43	385.79	356.25	567.67
Other Non-Hazardous Waste	MT	0	0	0	243.86
Total Non-hazardous Waste generation (B)	Mt	42,383.26	41,430.5	48,773.36	51,547.17
Other Waste					
E-waste	MT	84.88	873.37	175.68	109.05
Bio-medical waste	MT	138.44	211.06	20.25	25.29
Construction and demolition waste	MT	61,052.5	90,439.46	7,938.22	5,476.91
Batteries	MT	887.28	1,658.05	212.45	342.33
Radioactive waste	MT	0	0	0	0.00
Total Other Waste generation (C)	MT	62,163.10	93,181.94	8,346.60	5,953.58
Total waste generated (A+B+C)	MT	1,09,378.60	1,38,995.34	65,402.39	63,415.85

Waste Generation – Sectoral Distribution

Category	Power Generation	Mining	Fertilizer	Office/Services
Hazardous Waste Generation	4,895.49 MT	519.87 MT	976.42 MT	0.00 MT
Non-hazardous Waste Generation	56,629.19 MT	0.11 MT	270.34 MT	124.44 MT
Production	4,32,180.00 GWh	48.65 MMT	38,93,666.00 MT	-
Waste Intensity	0.142 MT/GWh	10.68 MT/MMT	0.00032 MT/MT	-

GRI - 306-4 Waste Diverted from Disposal and GRI 306-5 Waste Directed to Disposal

Non-Hazardous Waste

Source	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Re-used	MT	13,091.34	13,180.02	541.4	597.67
Recycled	MT	39,565.71	27,792.85	36,663.86	50,166.30
Other recovery option	MT	372.14	1231.49	869.53	1,120.94
Total waste recycled/reused	MT	53,029.19	42,204.36	38,074.79	51,884.90
Disposed: Landfilling	MT	50,503.39	59,725.88	4,069.52	6,238.77
Disposed: Incineration (with energy recovery)	MT	0	0	0	154.89
Disposed: Incineration (without energy)	MT	429.12	105.32	133.73	7.73
Other Disposal Options	MT	184.97	27,984.25	6,491.88	967.62
Total waste disposed	MT	51,117.48	87,815.45	10,695.13	7,369.01

Hazardous Waste

Source	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Re-used	MT	340.3	1,194.78	0	33.44
Recycled	MT	1,889.47	1,136.42	4,190.2	2,889.22
Other recovery option	MT	142.81	800.35	3.56	24.10
Total waste recycled/reused	MT	2,372.58	3,131.55	4,193.76	2,946.76
Disposed: Landfilling	MT	1,732.84	1,394.24	1,211.5	2,042.85
Disposed: Incineration (with energy recovery)	MT	0	0	0	17.75
Disposed: Incineration (without energy)	MT	169.5	385.55	329.96	189.42
Other Disposal Options	MT	18.755	219.53	657.02	414.99
Total waste disposed	MT	1,921.09	1,999.32	2,198.48	2,665.01

Environmental Violation

Particulars	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Number of violations of legal obligations/ regulations	0	0	0	0

Note- For any issue raised by an authorized body, NTPC has taken necessary action to ensure complaints are resolved.

Ash & Gypsum Waste

Ash & Gypsum Waste	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Target for FY 2025-26
Total ash and gypsum waste recycled/reused	Metric tons	6,43,79,000	8,80,00,000	9,28,75,000	9,63,46,000	-
Total ash & gypsum waste disposed	Metric tons	1,44,01,000	70,00,000	9,08,000	11,05,880	11,05,800
Data coverage (as % of denominator)	%	100	100	100	100	-

Electricity Generation Mix

Electricity generation based on non-renewable energy sources

Generation Source	Gross generation 2025-26 own assets (GWh)	Share of generation 2025-26 own assets (%)	Revenue generated 2025-26 (₹ Cr)
Coal	3,94,139	91.20%	1,56,704.03
Nuclear	-	-	-
Natural Gas	5,199	1.20%	7,389.46
Oil	-	-	-
Total non-renewables	3,99,338	92.40%	1,64,093.49

Electricity generation based on renewable energy sources

Generation Source	Gross generation 2025-26 own assets (GWh)	Share of generation 2025-26 own assets (%)	Revenue generated 2025-26 (₹ Cr)
Wind	1,623	0.37%	169.27
Hydro	15,772	3.65%	6,718.54
Solar	15,447	3.57%	3,261.06
Biomass	-	-	-
Total Renewables	32,842	7.59%	10,148.87

Particular	Unit	Value
Electricity from non-renewable energy sources purchased from third-parties and sold	GWh	0
Electricity from renewable energy sources purchased from third parties and sold	GWh	0
Based on the electricity generation mix (own/controlled assets and purchased/sold electricity from third parties), the total electricity generation sold	INR	0
Average carbon intensity	tCO ₂ e/GWh	-

Electricity Capacity Mix

Installed capacities based on non-renewable energy generation sources (MW)

Generation Source	Capacity FY 2025 – 26	Share of capacity FY 2025-26	Target capacity 2032 (MW)	Share of target capacity 2032
Coal	65,224*	74.30%	77,089	51.73%
Nuclear	-		700	0.47%
Natural Gas	6,511	7.42%	6,511	4.36%
Oil	-	-	-	-
Total Non-RE installed capacity	71,735	81.71%	84,300	56.57%

*Excluding BIFPCL

Installed capacities based on renewable energy generation sources (MW)*

Generation Source	Capacity FY 2025 – 26	Share of capacity FY 2025-26	Target capacity 2032 (MW)	Share of target capacity 2032
Wind	893.34	1.02%	60,000	40.26%
Solar	10,652.5	12.13%		
Hydro	4,507	5.13%	4,700	3.15%
Biomass	-	-	-	-
Geothermal	-	-	-	-
Green Hydrogen	-	-	-	-
Total RE installed capacity	16,052.85	18.29%	64,700	43.42%

* NTPC has a total renewable capacity target of 60,000 MW, which includes wind and solar as a total. There is no separate individual capacity target of wind and solar.

Efficiency of Generation

Average thermal efficiency of the company's power plants (electric and thermal output to energy input weighted by generation capacity of each plant)

Particular	FY 2023-24	FY 2024-25	FY 2025-26	Trend explanation	Average age of plants
Efficiency coal plants (% or BTU/kWh)	77.25%	77.44%	72.04%	Plant Load Factor mentioned in columns PLF = Actual Generation/Full capacity generation	40
Efficiency open-/combined-cycle gas plants (% or BTU/kWh)	9.07	12.65	9.11	Gas plants are operating at low PLF.	25

Availability Factor of Plants

Plant	Avg. Availability Factor 2025-26	Number of units
Coal Plants	90.12 %	155
Gas Plants	80.50 %	58

Sustainability Revenues

Revenues From	Unit	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Product/Service: Operating Turnover from Renewable Sources of Energy	₹ Cr	5,028.17	7,036.24	7,342.35	10,148.87
Total Revenues	₹ Cr	1,77,976.39	1,81,165.86	1,90,862.45	1,89,798.56
Percentage of sustainable revenues	%	2.82	3.88	3.84	5.34

Sustainable Products program

NTPC defines its sustainable products and services as power generated from renewable sources and the utilisation of fly ash. It reflects our strategy to realign our portfolio around clean energy and the triple bottom line guided by the Corporate Plan 2037.

To advance this strategy, we have expanded our solar and wind portfolio, supported by pumped storage and battery energy storage. We have also built an extensive fly ash utilisation ecosystem, with long-term agreements with cement manufacturers, infrastructure developers and industrial consumers. Dry Ash Evacuation Systems (DAES), High Concentration Slurry Disposal (HCSD) systems and ash-handling modernisation improve ash quality and reduce water use. We supply FGD gypsum, a by-product of sulphur dioxide removal, to the cement and gypsum board industries. Through NETRA (NTPC Energy Technology Research Alliance), we pursue research in carbon capture, utilisation and storage, green hydrogen, energy storage, waste-to-energy and ash utilisation. We also train our employees in areas such as energy efficiency, ash-handling systems and renewable-energy integration.

In FY 2025-26, we incurred green capital expenditure of ₹25,127.52 crore and spent ₹583.19 crore on R&D, which is more than 2% of our Profit Before Tax. Our commissioned renewable capacity stood at 11,546 MW as on 31 March 2026, with a further 15,040 MW under execution.

We generated about 100 million tonnes of fly ash and utilised about 107 million tonnes, with 20 of our stations achieving 100% utilization. The utilised quantity includes ash from earlier periods. We also supplied 9.12 lakh MT of FGD gypsum. Looking ahead, we target 60 GW of renewable capacity by FY 2032, within a total of about 149 GW. By 2037, we envisage total capacity of 244 GW, of which 136 GW would be renewable, with non-fossil sources contributing around 60% of the mix. As FGD implementation progresses across our stations, we expect gypsum generation and utilisation to become increasingly important to our circular economy strategy.

Climate Risk Screening

As a leading integrated power utility, NTPC Limited is exposed to a range of climate-related opportunities arising from changing climatic conditions, evolving regulation, technological shifts, and stakeholder expectations. A high-level climate risk screening was undertaken to identify potential implications on NTPC's thermal, renewable, mining, hydro, storage, and emerging energy businesses across **short (1- 2 years), medium (3 – 5 years), and long-term (6 – 10 years) horizons**.

The screening considered both physical climate risks and transition-related factors under multiple climate futures. Physical risks were reviewed using widely recognized climate pathways, while transition-related considerations were informed by pathways such as the IEA Stated Policies Scenario (STEPS), Current Policies Scenario, and Announced Pledges Scenario (APS).

Physical Climate Risks

1. Water Stress and Water Availability Risk

Time Horizon: Short-, Medium- and Long-term

Water availability is a major climate-related risk for NTPC because thermal power plants rely heavily on water for cooling and operations. Rising water stress, changing rainfall patterns, droughts, and competition for water may disrupt operations, increase costs, reduce cooling efficiency, and attract greater regulatory attention. To address this, NTPC is improving water efficiency, using treated sewage water, adopting closed-cycle cooling systems, and advancing water stewardship under *The Brighter Plan 2032*.

2. Extreme Heat Risk

Time Horizon: Medium- and Long-term

Higher average temperatures and more frequent heatwaves can reduce thermal plant efficiency, raise cooling needs, and put additional pressure on equipment and workers. This may lead to lower generation efficiency, higher auxiliary power use, increased maintenance costs, and occupational health and safety concerns.

3. Flooding and Extreme Rainfall Risk

Time Horizon: Short-, Medium- and Long-term

Changing rainfall patterns and intense precipitation can increase the risk of flooding at power plants, coal mines, transport infrastructure, and related facilities. Such events may cause temporary outages, damage assets, disrupt fuel supply chains, and increase repair and maintenance costs.

4. Cyclones and Severe Weather Events

Time Horizon: Medium- and Long-term

Renewable and coastal assets may face growing exposure to cyclones, storms, and high winds. These events can cause physical damage to infrastructure, affect grid reliability, and result in business interruptions and recovery expenses.

Transition Risks

The details regarding transition risks are covered in the [Sustainability Report FY 2025–26](#) under the section “Transition Risks and Strategic Response”.