

July 09, 2021

NHPC Limited: Ratings reaffirmed

Summary of rating action

Instrument*	Previous Rated Amount (Rs. crore)	Current Rated Amount (Rs. crore)	Rating Action
Long term bonds programme	6,710.41	6,710.41	[ICRA]AAA(Stable) reaffirmed
Long term bonds programme	2,039.59	-	[ICRA]AAA(Stable) reaffirmed and withdrawn
Total	8,750.0	6,710.41	

*Instrument details are provided in Annexure-1

Rationale

ICRA's rating reflects NHPC Limited's (NHPC) established position in India's hydropower generation sector, its significant scale of operations and strategic importance to the Government of India (GoI) as reflected in GoI's shareholding of 70.95% as on March 31, 2021. ICRA also favourably notes the competitive tariff level for the company's power plants and strong operating efficiencies as reflected in its plant availability factor (PAF) over the years. The rating continues to reflect the low business risk for the company's operational portfolio arising out of cost-plus tariff mechanism applicable for its hydel power generating stations and superior operational efficiency levels, ensuring regulated returns. Further, the rating continues to factor in the healthy track record of power generation from operational hydel power projects aided by a favourable hydrology. The company's credit profile is also supported by a favourable capital structure as reflected in a debt-to-equity ratio of 0.71 times on a consolidated basis (0.80 times on standalone basis) and strong liquidity as reflected in cash and bank balances of Rs. 2,257 crore on a consolidated basis (Rs. 914 crore on a standalone basis), as on March 31, 2021. Further, the company continues to benefit from the long tenure of debt, including subordinate debt from GoI, at a low interest rate for some projects in Jammu and Kashmir (J&K).

ICRA, however, takes cognisance of the execution risks, including the risk of time and cost overruns, as inherent in greenfield hydropower projects. Several of NHPC's recent and ongoing hydropower projects have seen significant time and cost overruns and further overruns cannot be ruled out. However, the construction work on Subansiri Lower 2,000-MW HEP, which was stalled since December 2011, was resumed in October 2019 and the same is expected to be commissioned by FY2024. Two units of 200 MW each of Parbati II (800 MW) hydro power project were synchronised in September 2018, while the project is expected to be commissioned in FY2023. The company is also executing Lanco Teesta (500 MW) hydro power project and Jal Power Rangit (200 MW) project under wholly owned subsidiaries. The company is also setting up two projects, namely 1,000 MW Pakal Dul HEP and 624 MW Kiru HEP under its JV, Chenab Valley Power Projects Limited (NHPC: 51%, JKSPDC: 49%). The company also has several projects on standalone, subsidiary and JV basis, which are at clearance stage. Given the large-sized projects under construction, which are also under cost-plus tariff framework, the company's ability to commission these projects in a timely manner and within the budgeted cost, along with the requisite approval by CERC remains crucial from the credit perspective. ICRA also takes into consideration the counterparty credit risk associated with exposure to state distribution utilities like J&K and UPPCL, as evident from high debtor levels in the past, although debtors declined on y-o-y basis as on March 31, 2021. The risk is mitigated to some extent by the presence of a Letter of Credit as per the terms of PPA and benefits associated with the availability of tripartite mechanism between GoI, state governments and the Reserve Bank of India (RBI) for recovery of dues from state discoms. Moreover, timely implementation of policy measures by the Ministry of Power for hydro power sector, including that for tariff rationalisation measures remains critical and the same would enable an improvement in the tariff competitiveness, especially for the projects under implementation, which have witnessed significant cost overrun.

The Stable outlook on the [ICRA]AAA rating reflects ICRA's opinion that NHPC will be able to sustain power generation performance, with satisfactory collection efficiency and its under-construction projects are likely to be completed without significant time and cost overruns, which are not approved by CERC/SERC.

ICRA has reaffirmed and withdrawn the long-term rating of [ICRA]AAA (pronounced ICRA triple A) with a Stable outlook assigned to the Rs 2,039.59 crore bonds of NHPC Limited as there are no outstanding dues against the same. The ratings have been withdrawn at the company's request and as per ICRA's policy on withdrawal of ratings.

Key rating drivers and their description

Credit strengths

Sovereign ownership and strategic importance of NHPC to GoI - NHPC is the largest hydropower company in the country and a Mini Ratna Category I public sector undertaking (PSU). The company had an installed capacity of 5,551 MW as on March 31, 2021 on standalone basis (including 50 MW solar and 50 MW wind power capacity) and 7,071 MW (including 1,520 MW of its 51.08% owned subsidiary, NHDC) on a consolidated basis. The company plays an important role in implementing GoI's planned capacity addition in the hydel power sector. The strategic importance of NHPC is also evident from the long-term loans extended by GoI at concessional rates for some hydropower projects of the company located in Jammu and Kashmir (J&K).

Regulated tariff ensures stable returns - Tariffs for hydropower projects of NHPC are determined as per Central Electricity Regulatory Commission (CERC) regulations for tariff determination on cost-plus basis, which ensures recovery of depreciation, interest on long-term loan and working capital loan, return on equity and operation and maintenance (O&M) expenses. The tariff norms are notified for a block of five years and have been notified for the period FY2020-FY2024 on March 7, 2019. The tariff norms are largely in line with the norms for FY2014-FY2019 with return on equity at 15.50% (pre-tax), higher operation and maintenance expenses, lower escalation for O&M expenses, etc. The recovery of fixed cost is subject to normative plant availability for each plant, as notified by the CERC. NHPC has demonstrated satisfactory operational performance in the past.

Satisfactory operational performance - NHPC has demonstrated satisfactory operational performance as evident from plant availability of 83.4% in FY2017, 85.32% in FY2018, 84.84% in FY2019, 84.04% in FY2020 and 84.87% in FY2021 for its operational hydel power plants. The total generation in FY2020 and FY2021 was 26,121 million units (Mus) and 24,235 million units, respectively on a standalone basis. The generation for NHDC projects was 4,236 Mus in FY2021 as against 4,110 Mus in FY2020. The plant availability factor for NHDC projects remained high at 94.82% in FY2021, against 94.32% in FY2020.

Comfortable financial risk profile - The comfortable financial risk profile of NHPC is evident from gearing of 0.80 times, interest coverage ratio of 7.09 times and total debt/ OPBDITA of 5.51 times on a standalone basis as on March 31, 2021. The gearing of 0.71 times, interest coverage ratio of 8.23 times and total debt/OPBDITA of 4.75 times on a consolidated basis, as on March 31, 2021 also remained comfortable.

Policy measures to promoter hydro power sector by Ministry of Power remain positive - The Ministry of Power, vide its notification dated March 8, 2019 announced several measures for promotion of the hydro power sector in the country. These include declaration of large hydro power projects (>25 MW) as renewable energy source, hydropower purchase obligation as separate entity within non-solar renewable purchase obligation, tariff rationalisation measures like back loading of tariff, increase in the life of project from 35 years to 40 years, increasing debt repayment period to 18 years, budgetary support for flood moderation/storage hydro electric projects, and budgetary support for cost of enabling infrastructure (i.e. roads/ bridges) are positives for the company. Ministry of Power vide its notification dated January 29, 2021 included long term trajectory for hydropower purchase obligations (HPO). Hydro power projects commissioned on or after March 08, 2019 and upto March 31, 2030 shall be eligible for HPO.

Grid balancing role of hydropower - With the GoI's present initiative of extensive renewable energy development, particularly large-scale deployment of solar power, hydropower would be required for grid balancing/stability. Hydropower plays a critical role in terms of meeting the peak power requirements in the system.

Credit challenges

Counterparty credit risk on account of exposure to state distribution utilities - NHPC is exposed to state power distribution utilities with relatively weak credit profiles, which may impact its collection efficiency. The debtors (excluding unbilled revenue) declined to Rs 3,206 crore as on March 31, 2021 from Rs. 3,585 crore for the prior year, due to improvement in payments from state distribution utilities on account of liquidity scheme by PFC/REC under Atmanirbhar Bharat. While there has been some improvement in debtor levels in FY2021, however these continue to remain high. The presence of a letter of credit equal to 1.05 times of the average monthly billing as per the terms of the PPA mitigates the counterparty credit risk to some extent. Moreover, the tripartite mechanism between GoI, state governments and the RBI to ensure payment security mechanism for supply agreements between Central PSUs such as NHPC and state discoms for supply of power, which was valid till October 2016, has been further extended by 29 states/UT as on March 31, 2021, while the signing is in progress with other states.

Execution risk associated with under-construction projects - NHPC is constructing two hydroelectric projects on a standalone basis, namely Parbati II and Subansiri Lower, with a total capacity of 2,800 MW. Parbati II (800 MW) is expected to be commissioned in FY2023, while Subansiri Lower (2000 MW), which was stuck since December 2011, resumed construction in October 2019 and is expected to be commissioned by FY2024. The company is executing the 500-MW Lanco Teesta project and 200 MW Jal Power Rangit project awarded through NCLT route, the 1,000-MW Pakal Dul and the 624-MW Kiru project under a JV—Chenab Valley Power Projects Ltd (NHPC: 51%, JKSPDC: 49%). The company also has several projects under clearance. Hydro power projects of NHPC, including Parbati II and Subansiri Lower have witnessed significant time and cost overrun in the past. Timely completion of the under-construction projects without further material time and cost overruns, and approval of capital cost for tariff determination by CERC, will remain key rating sensitivities.

Cost competitiveness of power from new projects - The under-construction power projects have high capital cost per MW, which will make the cost of power from such projects unattractive compared to thermal power projects and the recently discovered tariffs in wind/solar bidding. Therefore, the ability of the company to complete the projects on time and within the budgeted cost, and rationalisation in tariff through various measures will be critical to ensure cost competitiveness of power. It may be noted that hydropower is required for grid stabilisation and hence it can command a premium over other sources of power. Moreover, recent measures by the Ministry of Power, including hydropower purchase obligation, are expected to increase the demand for power from hydro power projects.

Regulatory risk due to cost-plus regime - The tariff for hydel power projects of the company is determined as per CERC norms that are revised every five years. The latest tariff norms have been notified on March 7, 2019 for FY2020-24, which provides visibility of regulatory norms for the period. However, in case stringent norms are finalised in the future (for instance, with lower return on equity), the company's profitability may be impacted.

Liquidity position: Strong

The company's liquidity is Strong. In FY2021, the company demonstrated satisfactory generation and plant availability resulting in operating income of Rs 9,648 crore and profit after tax of Rs 3,582 crore on consolidated basis. Debtors declined to Rs 3,410 crore as on March 31, 2021 from Rs 3,583 crore as on March 31, 2020 on account of improvement in payments from state distribution utilities during the year. The company had cash and bank balances of Rs 2,257 crore and unutilized cash credit limits of Rs 475 crore as on March 31, 2021 on consolidated basis. The company has long term debt repayments of Rs 1,358 crore in FY2022. Considering the satisfactory generation track record of the projects of the company, the accruals from operations from expected to be sufficient to meet the debt repayment obligations of the company in the near future.

Rating sensitivities

Positive factors – Not Applicable

Negative factors – The ratings could be downgraded in the event of inability of the company to reduce debtors from current levels and/or significant disapproval for cost and time overrun for under-construction projects by CERC/SERC. The ratings could

also be revised due to a material change in the regulatory cost-plus regime for the tariff determination of the hydro power projects of the company, impacting the returns. Negative pressure on the ratings could also arise from material change in shareholding of Gol and/or change in linkage with Gol.

Analytical approach

Analytical Approach	Comments
Applicable Rating Methodologies	Corporate Credit Rating Methodology Impact of implicit support expected from parent or group on an entity's credit rating Policy on withdrawal of credit rating
Parent/Group Support	The rating derive strength from majority ownership by the Government of India (70.95% as on March 31, 2021) in NHPC, given its strategic importance and significant scale of operations in hydro power sector in India
Consolidation/Standalone	The rating is based on the consolidated financial statements of the company

About the company

NHPC, a Mini Ratna category I public sector utility, is Gol's flagship hydroelectric generation company. As on March 31, 2021, the shareholding of Gol in the company was 70.95%. It is the largest HEP developer in India with an installed capacity of 5,551 MW on standalone basis and 7,071 MW on a consolidated basis (including 1,520 MW of its 51.08%-owned subsidiary NHDC) as on March 31, 2021. The company supplies power to distribution utilities, mainly in northern, eastern and north-eastern India under long-term PPAs.

Key financial indicators (audited)

NHPC Limited- Consolidated	FY2020	FY2021*
Operating Income (Rs. crore)	10,008	9,648
PAT (Rs. crore)	3,325	3,582
OPBDIT/OI (%)	54.9%	55.4%
PAT/OI (%)	33.2%	37.1%
Total Outside Liabilities/Tangible Net Worth (times)	1.09	1.04
Total Debt/OPBDIT (times)	4.59	4.75
Interest Coverage (times)	6.91	8.23

PAT: Profit after Tax; OPBDIT: Operating Profit before Depreciation, Interest, Taxes and Amortisation

Note: Amount in Rs. crore; All calculations are as per ICRA research

Source: NHPC Limited, ICRA research, *abridged financials for FY2021

Status of non-cooperation with previous CRA: Not applicable

Any other information: None

Rating history for past three years

	Instrument	Current Rating (FY2022)				Chronology of Rating History for the past 3 years			
		Type	Amount Rated (Rs. crore)	Amount Outstanding as of March 31, 2021 (Rs. crore)	Date & Rating in	Date & Rating in FY2021	Date & Rating in FY2020		Date & Rating in FY2019
							Jul 09, 2021	Jul 24, 2020	
1	Long term bonds programme	Long-term	6,710.41	5,832.69	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)
2	Long term bonds programme	Long-term	-	-	[ICRA]AAA (Stable); withdrawn	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)	[ICRA]AAA (Stable)

Complexity level of the rated instruments

Instrument	Complexity Indicator
Long-term bonds programme	Simple

The Complexity Indicator refers to the ease with which the returns associated with the rated instrument could be estimated. It does not indicate the risk related to the timely payments on the instrument, which is rather indicated by the instrument's credit rating. It also does not indicate the complexity associated with analyzing an entity's financial, business, industry risks or complexity related to the structural, transactional, or legal aspects. Details on the complexity levels of the instruments, is available on ICRA's website: www.icra.in

Annexure-1: Instrument details

ISIN No	Instrument Name	Date of Issuance / Sanction	Coupon Rate	Maturity Date	Amount Rated (RS Crore)	Current Rating and Outlook
INE848E07112	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-22	105.5	[ICRA]AAA (Stable)
INE848E07120	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-23	105.5	[ICRA]AAA (Stable)
INE848E07138	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-24	105.5	[ICRA]AAA (Stable)
INE848E07146	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-25	105.5	[ICRA]AAA (Stable)
INE848E07153	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-26	105.5	[ICRA]AAA (Stable)
INE848E07161	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-27	105.5	[ICRA]AAA (Stable)
INE848E07245,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-22	6.85	[ICRA]AAA (Stable)
INE848E07252,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-23	6.85	[ICRA]AAA (Stable)
INE848E07260,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-24	6.85	[ICRA]AAA (Stable)
INE848E07492,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-25	6.85	[ICRA]AAA (Stable)
INE848E07500,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-26	6.85	[ICRA]AAA (Stable)
INE848E07336,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-22	31.84	[ICRA]AAA (Stable)
INE848E07344,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-23	31.84	[ICRA]AAA (Stable)
INE848E07351,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-24	31.84	[ICRA]AAA (Stable)
INE848E07369,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-25	31.84	[ICRA]AAA (Stable)
INE848E07377,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-26	31.84	[ICRA]AAA (Stable)
INE848E07385	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-27	31.84	[ICRA]AAA (Stable)
INE848E07427,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-22	89.2	[ICRA]AAA (Stable)
INE848E07435,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-23	89.2	[ICRA]AAA (Stable)
INE848E07443,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-24	89.2	[ICRA]AAA (Stable)
INE848E07450,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-25	89.2	[ICRA]AAA (Stable)
INE848E07468,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-26	89.2	[ICRA]AAA (Stable)
INE848E07476,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-27	89.2	[ICRA]AAA (Stable)
INE848E07484	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-28	89.2	[ICRA]AAA (Stable)
INE848E07518	Tax Free Bonds-13- 1A	2-Nov-13	8.18%	2-Nov-23	50.81	[ICRA]AAA (Stable)
INE848E07542	Tax Free Bonds-13- 1B	2-Nov-13	8.43%	2-Nov-23	60.77	[ICRA]AAA (Stable)
INE848E07526	Tax Free Bonds-13- 2A	2-Nov-13	8.54%	2-Nov-28	213.12	[ICRA]AAA (Stable)
INE848E07559	Tax Free Bonds-13- 2B	2-Nov-13	8.79%	2-Nov-28	85.61	[ICRA]AAA (Stable)

INE848E07534	Tax Free Bonds-13-3A	2-Nov-13	8.67%	2-Nov-33	336.07	[ICRA]AAA (Stable)
INE848E07567	Tax Free Bonds-13-3B	2-Nov-13	8.92%	2-Nov-33	253.62	[ICRA]AAA (Stable)
INE848E07AG0	LT Bonds- W1 Series	15-Sep-17	6.91%	15-Sep-21	300	[ICRA]AAA (Stable)
INE848E07AH8	LT Bonds- W1 Series	15-Sep-17	6.91%	15-Sep-22	300	[ICRA]AAA (Stable)
INE848E07AI6	LT Bonds- W2 Series	15-Sep-17	7.35%	15-Sep-23	150	[ICRA]AAA (Stable)
INE848E07AJ4	LT Bonds- W2 Series	15-Sep-17	7.35%	15-Sep-24	150	[ICRA]AAA (Stable)
INE848E07AK2	LT Bonds- W2 Series	15-Sep-17	7.35%	15-Sep-25	150	[ICRA]AAA (Stable)
INE848E07AL0	LT Bonds- W2 Series	15-Sep-17	7.35%	15-Sep-26	150	[ICRA]AAA (Stable)
INE848E07AM8	LT Bonds- W2 Series	15-Sep-17	7.35%	15-Sep-27	150	[ICRA]AAA (Stable)
INE848E07AO4	LT Bonds- Y Series	7-Oct-19	7.50%	7-Oct-25	300	[ICRA]AAA (Stable)
INE848E07AP1	LT Bonds- Y Series	7-Oct-19	7.50%	7-Oct-26	300	[ICRA]AAA (Stable)
INE848E07AQ9	LT Bonds- Y Series	7-Oct-19	7.50%	7-Oct-27	300	[ICRA]AAA (Stable)
INE848E07AR7	LT Bonds- Y Series	7-Oct-19	7.50%	7-Oct-28	300	[ICRA]AAA (Stable)
INE848E07AS5	LT Bonds- Y Series	7-Oct-19	7.50%	6-Oct-29	300	[ICRA]AAA (Stable)
INE848E07AT3	LT Bonds- Y1 Series	3-Jan-20	7.38%	3-Jan-26	100	[ICRA]AAA (Stable)
INE848E07AU1	LT Bonds- Y1 Series	3-Jan-20	7.38%	2-Jan-27	100	[ICRA]AAA (Stable)
INE848E07AV9	LT Bonds- Y1 Series	3-Jan-20	7.38%	3-Jan-28	100	[ICRA]AAA (Stable)
INE848E07AW7	LT Bonds- Y1 Series	3-Jan-20	7.38%	3-Jan-29	100	[ICRA]AAA (Stable)
INE848E07AX5	LT Bonds- Y1 Series	3-Jan-20	7.38%	3-Jan-30	100	[ICRA]AAA (Stable)
Not placed	Long term bonds programme	NA	NA	NA	877.72	[ICRA]AAA (Stable)
INE848E07054	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-16	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07062	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-17	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07070	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-18	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07088	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-19	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07096	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-20	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07104,	LT Bonds- Q Series	12-Mar-12	9.25%	12-Mar-21	105.5	[ICRA]AAA (Stable); withdrawn
INE848E07179	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-15	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07187	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-16	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07195	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-17	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07203	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-18	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07211	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-19	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07229	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-20	6.85	[ICRA]AAA (Stable); withdrawn

INE848E07237,	LT Bonds- R Series- Tranche 1	11-Feb-13	8.70%	11-Feb-21	6.85	[ICRA]AAA (Stable); withdrawn
INE848E07278	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-16	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07286	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-17	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07294	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-18	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07302	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-19	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07310	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-20	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07328,	LT Bonds- R Series- Tranche 2	11-Feb-13	8.85%	11-Feb-21	31.84	[ICRA]AAA (Stable); withdrawn
INE848E07AD7	LT Bonds- W1 Series	15-Sep-17	6.91%	15-Sep-18	300	[ICRA]AAA (Stable); withdrawn
INE848E07AE5	LT Bonds- W1 Series	15-Sep-17	6.91%	15-Sep-19	300	[ICRA]AAA (Stable); withdrawn
INE848E07AF2	LT Bonds- W1 Series	15-Sep-17	6.91%	15-Sep-20	300	[ICRA]AAA (Stable); withdrawn
INE848E07393	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-19	89.2	[ICRA]AAA (Stable); withdrawn
INE848E07401	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-20	89.2	[ICRA]AAA (Stable); withdrawn
INE848E07419,	LT Bonds- R Series- Tranche 3	11-Feb-13	8.78%	11-Feb-21	89.2	[ICRA]AAA (Stable); withdrawn

Source: Company

Annexure-2: List of entities considered for consolidated analysis

Company Name	NHPC Limited Ownership	Consolidation Approach
NHPC Limited	100.00% (rated entity)	Full Consolidation
NHDC Limited	51.08%	Full Consolidation
Loktak Downstream Hydroelectric Corporation Limited	73.17%	Full Consolidation
Bundelkhand Saur Urja Limited	99.99%	Full Consolidation
Lanco Teesta Hydro Power Limited	100.00%	Full Consolidation
Jal Power Corporation Limited	100.00%	Full Consolidation
Chenab Valley Power Projects Limited	51.00%	Full Consolidation
National High Power Test Laboratory Private Limited	20.00%	Equity Method

Source: NHPC Limited, shareholding as on June 30, 2021

Note: ICRA has taken a consolidated view of the parent (NHPC Limited), its subsidiaries and joint ventures while assigning the ratings.

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About ICRA Limited:

ICRA Limited was set up in 1991 by leading financial/investment institutions, commercial banks and financial services companies as an independent and professional investment Information and Credit Rating Agency.

Today, ICRA and its subsidiaries together form the ICRA Group of Companies (Group ICRA). ICRA is a Public Limited Company, with its shares listed on the Bombay Stock Exchange and the National Stock Exchange. The international Credit Rating Agency Moody's Investors Service is ICRA's largest shareholder.

For more information, visit www.icra.in

ICRA Limited

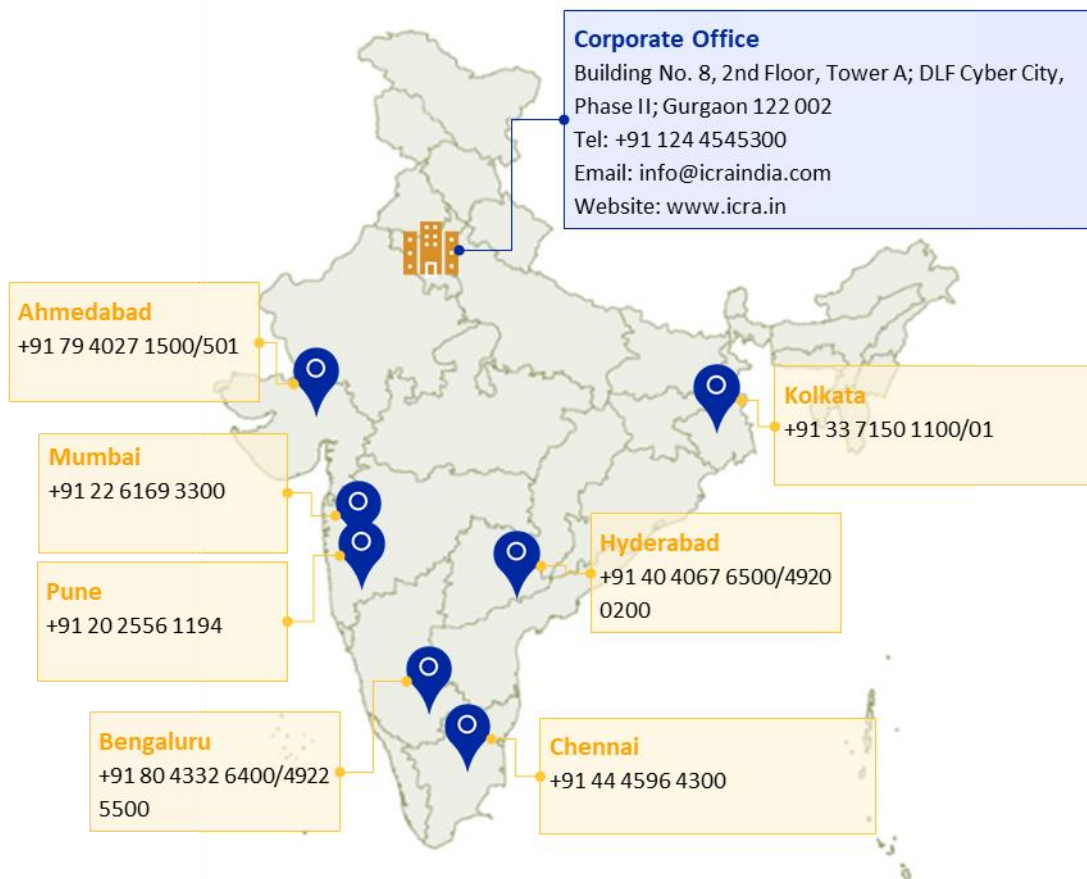


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Branches



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