

Clean Power For Every Home



# INVESTOR PRESENTATION FINANCIAL YEAR 24-25 : September 2024



# Presentation Outline

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NHPC Today

Financial Highlights

Financial Ratios

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Projects under Pipeline & New Initiatives



**Our Vision: To be a global leading organization for sustainable development of clean power through competent, responsible and innovative values.**



Subansiri Lower Project



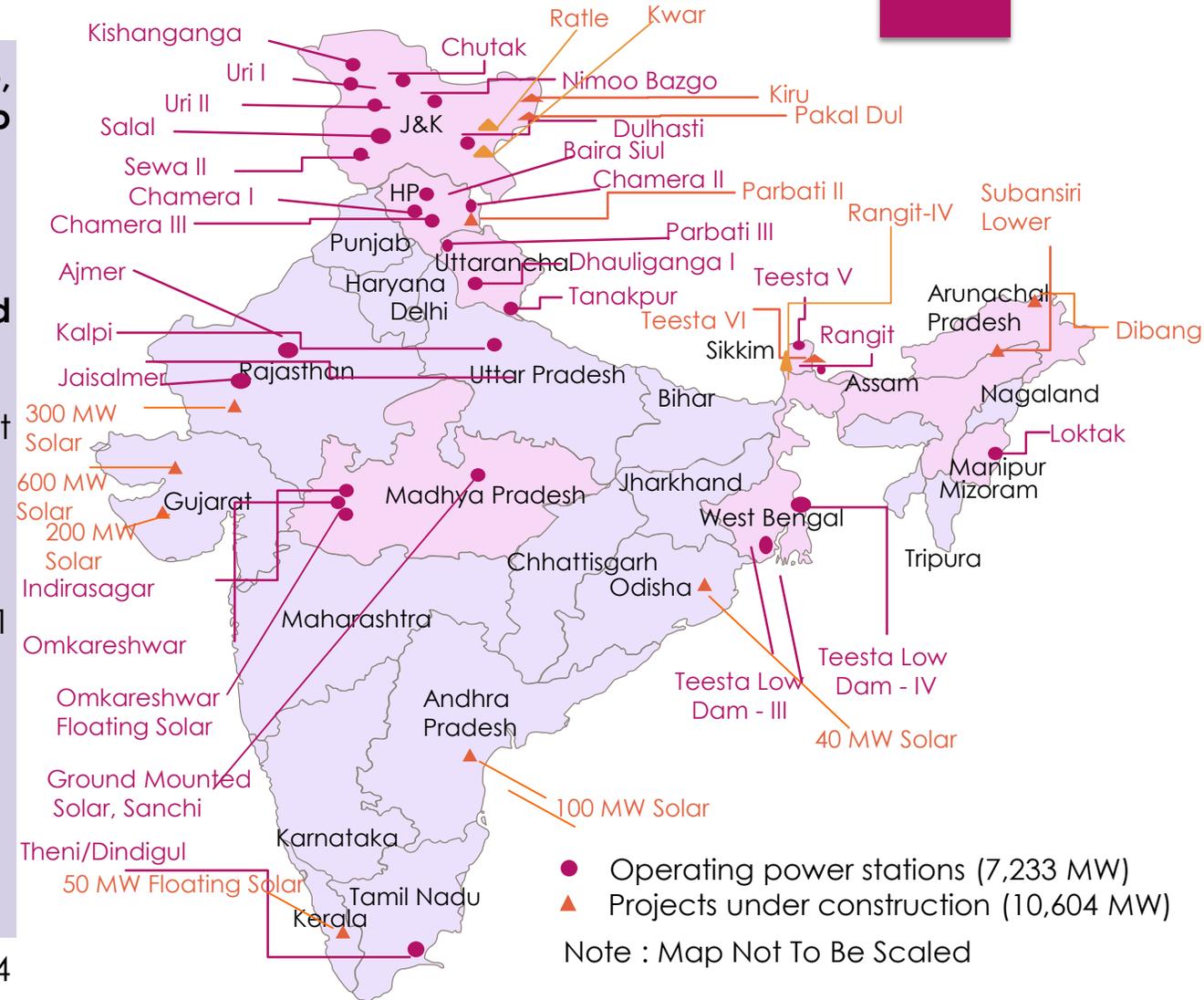
Teesta V, Sikkim

# PHYSICAL SNAPSHOT

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- Incorporated in 1975 with authorised capital of Rs. 200 crore, the present authorised capital is Rs.15000 crore (Paid Up Capital Rs.10,045 crore)
- Navratna PSU (since Aug-24)
- Established track record, strong operational performance and in-house engineering capabilities
- Involved across the entire chain of hydro power project development – from concept to commissioning.
- Presence across 13 states & 2 UTs.
- 15% share of installed hydro-electric capacity in India (6,971 MW out of 46,928 MW\*).
- Consultancy business.
- Power trading business.
- Exposure to international business opportunities.

\* Source-CEA as on 30.09.2024



7233 MW installed capacity (6971 MW Hydro & 262 MW Renewable Energy) through 28 power stations

# PHYSICAL SNAPSHOT

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## Installed Capacity

- ❖ Power Stations under Operation-22 Nos. (5551 MW\*)
- ❖ Power Stations with Subsidiary-6 Nos. (1682 MW)
- ❖ Total Operational Projects – 28 Nos. (7233 MW)

## Under Construction

- ❖ Projects Under Construction (including Subsidiary & JV) :-
  - Hydro & Solar - 15 Nos. (10604 MW)

## Awaiting Clearances

- ❖ Projects Awaiting Clearances : -
  - Standalone - 4 Nos. (3116 MW)
  - Subsidiary – 2 No. (996 MW)

## Under Survey & Investigation

- ❖ Projects under Survey & Investigation - 4 Nos. (4215 MW)

Hydro Power is 10% (46928 MW) of All India Installed Capacity (452695 MW#) .

NHPC Contribution is 15% of Installed Hydro Power On Consolidated Basis.

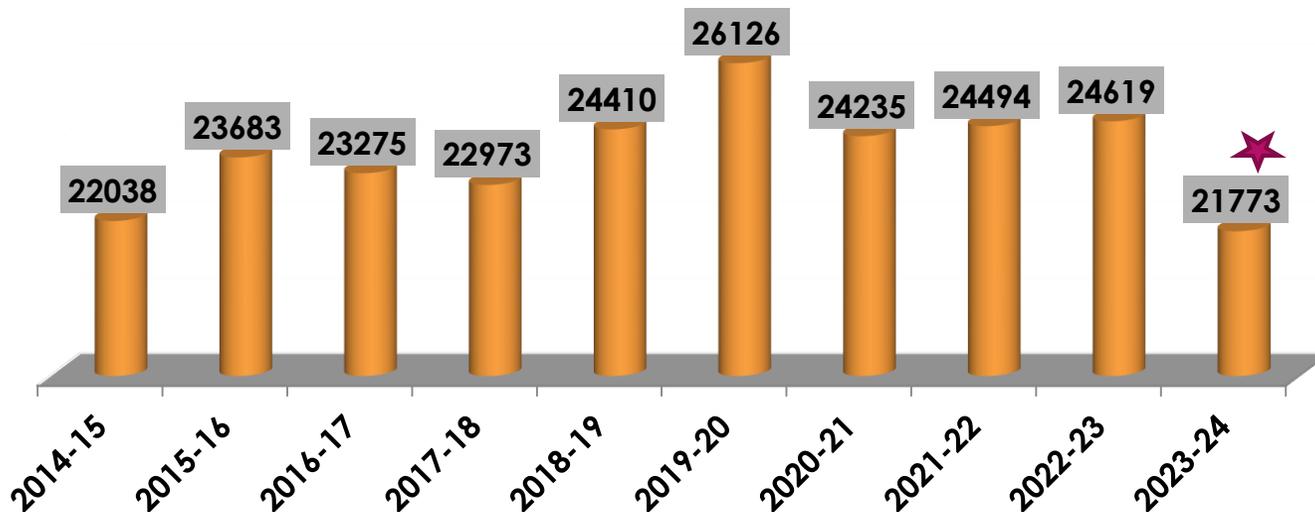
Status	Capacity (MW)
Operational Projects	7,233
Projects Under Construction (including Subsidiary & JV)	10,604
Projects Under Clearance:	
Stand alone	3,116
Subsidiaries	996
Projects Under Survey & Investigation	4215
<b>Total</b>	<b>26,164</b>

Including 50 MW Wind Power Project, Jaisalmer & 50 MW Solar Power Project, Tamilnadu.

#Source-CEA as on 30.09.2024

# NHPC 's Track Record – A Ten Year Digest

## Standalone Generation (in M.U.)



★ Hydro: 21608 MU(excl. infirm power of 7 MUs : Parbati II), Wind: 82 MU & Solar: 83 MU.

Actual H1 FY'25

Actual H1 FY'24

6

• Country Generation  
953 BU

• Country Generation  
899 BU

• Share of Hydro Power 95 BU  
(10 %)

• Share of Hydro Power 91 BU  
(10%)

• Share of NHPC (Hydro) Standalone  
14927 MU (16%)

• Share of NHPC (Hydro)- Standalone  
16699 MU (18%)

# Financial Highlights



Sewa II, UT of J&K



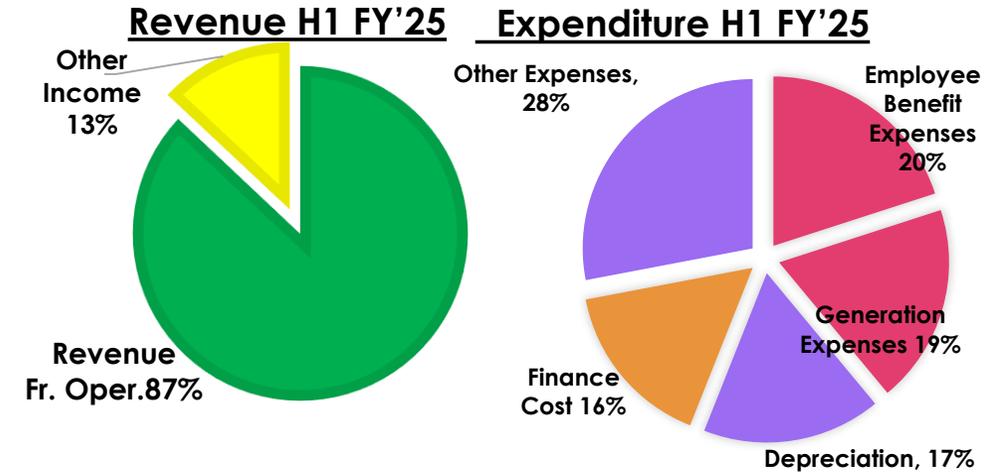
Chamera I, Himachal

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# Financial Highlights : Standalone

Particulars	FY'25		FY'24			% Change	
	Half Year	Qtr-2	Half Year	Qtr-2	Full Year	Half Year	Qtr-2
Revenue from Operation	4969.09	2551.21	5056.35	2485.39	8404.92	-1.73%	2.65%
Other Income	738.99	370.48	408.11	129.12	1620.07	81.08%	186.93%
<b>Total Income (A)</b>	<b>5708.08</b>	<b>2921.69</b>	<b>5464.46</b>	<b>2614.51</b>	<b>10024.99</b>	<b>4.46%</b>	<b>11.75%</b>
Generation Expenses	594.93	313.43	914.69	397.08	814.27	-34.96%	-21.07%
Employee Benefits Expense	628.53	318.03	618.59	321.23	1296.58	1.61%	-1.00%
Finance Cost	526.01	297.71	244.78	125.59	726.06	114.89%	137.05%
Depre. & Amort. Expense	552.74	270.79	552.61	276.88	1111.00	0.02%	-2.20%
Other Expenses	899.47	488.56	709.28	343.76	2014.88	26.81%	42.12%
<b>Total Expenditure(B)</b>	<b>3201.68</b>	<b>1688.52</b>	<b>3039.95</b>	<b>1464.54</b>	<b>5962.79</b>	<b>5.32%</b>	<b>15.29%</b>
<b>PBT(Before RRA)(C=A-B)</b>	<b>2506.40</b>	<b>1233.17</b>	<b>2424.51</b>	<b>1149.97</b>	<b>4062.20</b>	<b>3.38%</b>	<b>7.23%</b>
Rate Regu. Income (D)	90.78	32.35	45.94	24.04	233.28	97.61%	34.57%
<b>PBT (After RRA) (E=C+D)</b>	<b>2597.18</b>	<b>1265.52</b>	<b>2470.45</b>	<b>1174.01</b>	<b>4295.48</b>	<b>5.13%</b>	<b>7.79%</b>
Tax (F)	668.42	360.27	-29.60	-273.10	551.54	-2358.18%	-231.92%
<b>Profit After Tax (G=E-F)</b>	<b>1928.76</b>	<b>905.25</b>	<b>2500.05</b>	<b>1447.11</b>	<b>3743.94</b>	<b>-22.85%</b>	<b>-37.44%</b>

## Revenue & Expenditure-Analysis



## Revenue Vs. Net Profit Vs. Dividend



★ Interim Dividend – 14.00% & Final Dividend 5.00%.

# Statement of Assets & Liabilities

Rs. In Crore



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<b>Equity and Liabilities</b>	<b>H1 FY'25</b>	<b>FY'24</b>
Share Holder's Funds	38701.03	37268.61
Long Term Borrowings	28093.86	26338.22
Long Term Lease Liabilities	16.93	18.23
Deferred Tax Liabilities	1908.33	1668.45
Other Long term Liabilities & Provisions	4415.27	4469.99
Current Liabilities & Provisions	7599.45	8115.89
Regulatory Deferral Account Credit Balances	923.20	923.20
<b>Total Equity &amp; Liabilities</b>	<b>81658.07</b>	<b>78802.59</b>
<b>Assets</b>		
PPE (incl. investment property)	16209.84	16603.37
Capital Work in Progress	31997.84	29794.72
Right of Use Assets	2646.56	2613.18
Intangible Asset (including under development)	200.09	181.83
Non Current Financial Asset	12940.28	12133.78
Non Current Assets (Others)	3502.45	3528.73
Regulatory Asset	6744.18	6653.40
Trade Receivables	4263.91	3981.32
Cash and Bank Balances	654.17	992.51
Current Assets (Others)	2498.75	2319.75
<b>Total Assets</b>	<b>81658.07</b>	<b>78802.59</b>

# Debtors Position

Rs. In Crore



## Total Debtors (in Crs.)

S. N.	Particulars	As on 30.09.2024	As on 30.06.2024	As on 31.03.2024	As on 31.12.2023	As on 30.09.2023
1	Trade Receivables	4266 (including unbilled debtors of Rs. 2812 Crs.)	4646 (including unbilled debtors of Rs. 2889 Crs.)	3984 (including unbilled debtors of Rs. 2263 Crs.)	4642 (including unbilled debtors of Rs. 2309 Crs.)	5970 (including unbilled debtors of Rs. 2685 Crs.)
2	More than 45 days*	499	512	277	395	367

## Top Five Debtors\* (in Crs.)

Name	30.09.2024		31.03.2024	
	Total	More than 45 days	Total	More than 45 days
PDD, J&K (Incl. JKPCL)	1010	181	1730	69
Uttar Pradesh	820	23	194	0
Punjab	502	51	311	1
Rajasthan	460	151	358	124
Haryana	271	0	206	2

\* Net of Provision

# Incentives Position

## Comparative Incentive YoY (in Crs.)

Sl.	Particulars	FY24-25					FY23-24				
		Q-1	Q-2	Q-3	Q-4	Total	Q-1	Q-2	Q-3	Q-4	Total
1	Secondary Energy	0.00	3.33			3.33	0.00	5.64	16.24	80.38	102.26
2	PAF Incentives	0.00	0.00			0.00	0.00	0.00	64.51	251.51	316.02
3	Deviation Chrgs.	11.60	12.84			24.44	11.52	9.59	13.27	6.73	41.11
	<b>G. Total</b>	<b>11.60</b>	<b>16.17</b>			<b>27.77</b>	<b>11.52</b>	<b>15.23</b>	<b>94.02</b>	<b>338.62</b>	<b>459.39</b>
<b>4</b>	<b>PAF</b>	<b>80.46%</b>	<b>84.87%</b>			<b>82.68%</b>	<b>94.13%</b>	<b>89.78%</b>	<b>71.73%</b>	<b>54.65%</b>	<b>77.60%</b>

## Supplements

Power Station With Highest PAF: Chamera - III (PAF : 103.96%, NAPAF : 87%)

Power Station with highest Deviation Charges: Uri-II (Rs. 6 Cr.)

Power Station Giving Best Generation : Chamera-I (103% of the annual design energy)

## Supplements

Power Station with Highest PBT- Dulhasti (Rs. 509 Crs)

NHPC Profit per MW: Rs. 35 lakhs (Q1 FY'25), Rs. 45 lakhs (H1 FY'24)

NHPC Profit per Employee: Rs. 40 lakhs (Q1 FY'25), Rs. 52 lakhs (H1 FY'24)

# Key Financials : H1 FY'25

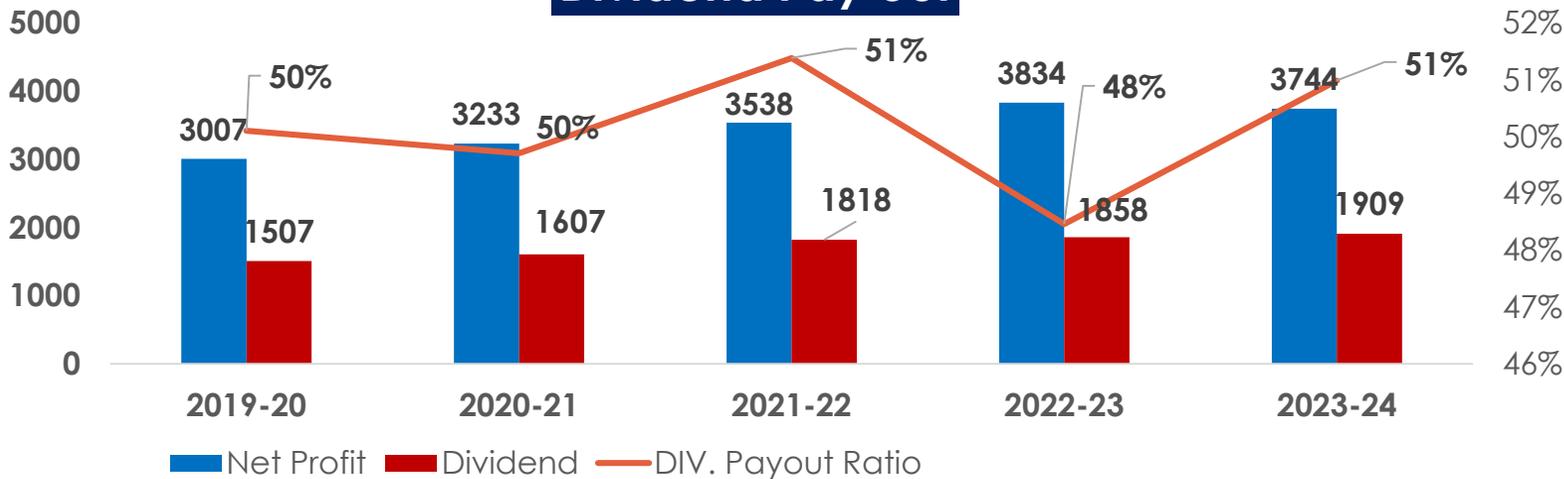
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Rs. In Crore

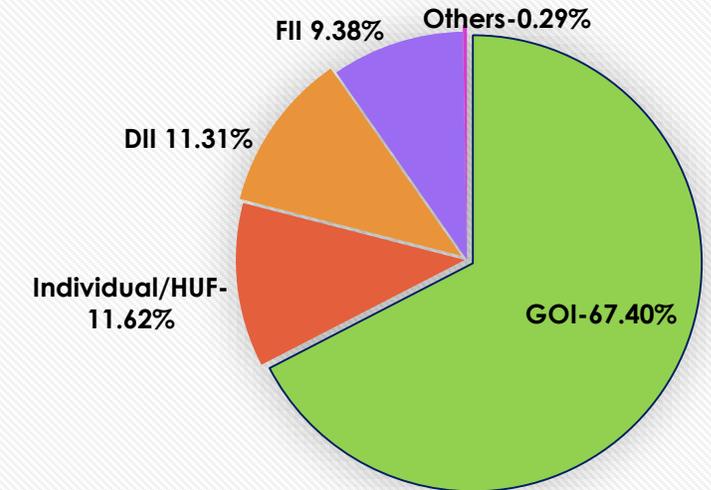
P&L	Standalone
Total Income	5708
EBITDA	3586
EBITDA Margin	63%
PAT	1929
Profit Margin	34%
Dividend Pay Out (FY'24)	Rs. 1.90 Per Share/ 51% of Profit

Balance Sheet	Standalone
Share Capital	10045
Net worth	38701
Long Term Debt	28094
Cash & Bank Bal.	654
Gross Block	40580
CWIP	31998

## Dividend Pay out



## Shareholding pattern as on 30.09.2024



# NHPC – Key Ratios

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S. No.	Particulars	H1 FY'25		FY'24	
		Standalone	Consolidated	Standalone	Consolidated
1.	PAT (Rs. in Cr.)	1928.76	1937.57	3743.94	3624.42
2.	Net-worth (Rs. in Cr.)	38701.03	40148.96	37268.61	38702.44
3.	No. of Equity Shares (In Cr.)	1004.50	1004.50	1004.50	1004.50
4.	EPS (Rs.)	1.92*	1.93*	3.73	3.61
5.	Earning Yield(%)**	2.40*	2.41*	4.16	4.03
6.	Dividend Per Share (Rs.)			1.90	
7.	Dividend Yield(%)**			2.12	
8.	Book Value per share (Rs.)	38.53	39.97	37.1	38.53
9.	PB Ratio**	2.08	2.01	2.42	2.33
10.	PE Ratio**	41.75	41.53	24.03	24.83
11.	Return On Net worth (%)	4.98*	4.83*	10.30	9.58
12.	Market Capitalisation (Rs. in Cr.)**	80521		90033	
13.	Debt Equity Ratio	0.84	0.90	0.84	0.89

\*Not annualised \*\*Stock Price (BSE): as on 05.11.2024 Rs. 80.16 & as on 31.03.2024 Rs. 89.63.

# NHDC Ltd. (Subsidiary) – Snapshots : FY 23-24

Shareholding Pattern : 51:49 (NHPC : GoMP)

Installed Capacity : 1528 MW

Design Energy : 2174.57 MUs

Generation : 4473 MUs (FY'24), 5444 MUs (FY'23)

PAF : 96.43% (FY'24), 97.42% (FY'23)

Revenue from operations : Rs. 1269 Crs. (FY'24), Rs. 1318 Crs. (FY'23)

PAT : 812 Crs. (FY'24), 774 Crs. (FY'23)

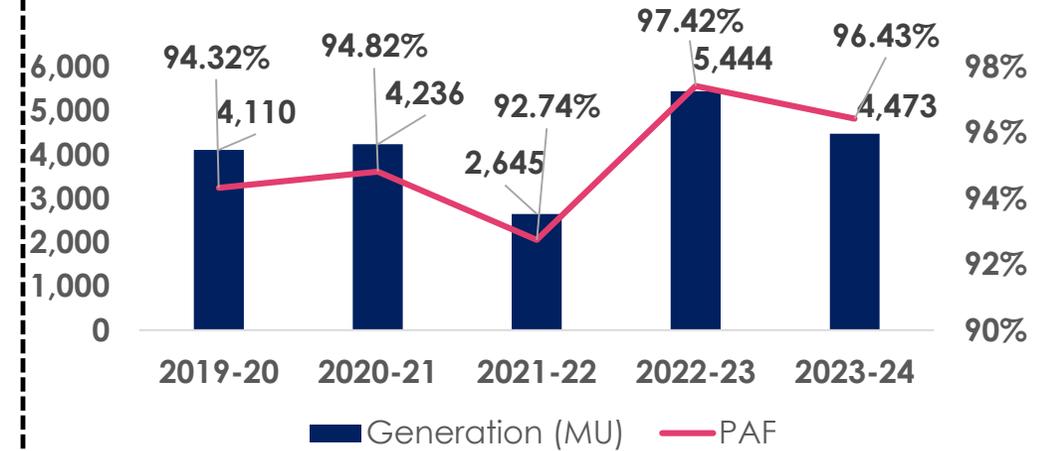
PAF Incentive : Rs. 43 Crs. (FY'24), Rs. 46 Crs. (FY'23)

Secondary Energy : Rs. 271 Crs. (FY'24), 386 Crs. (FY'23)

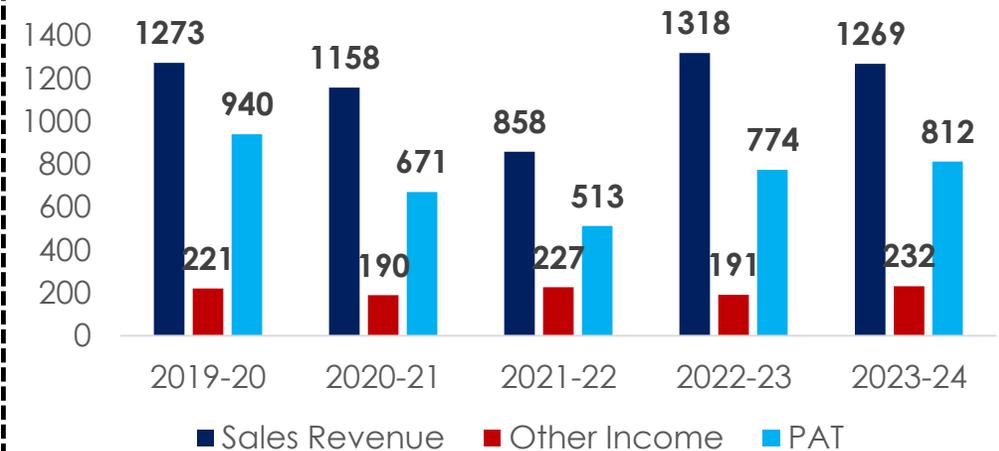
Deviation Charges: Rs. 21 Crs. (FY'24), 18 Crs. (FY'23)

Regulated Equity: Rs. 2030 Crs. (FY 2023-24)

## Physical Performance



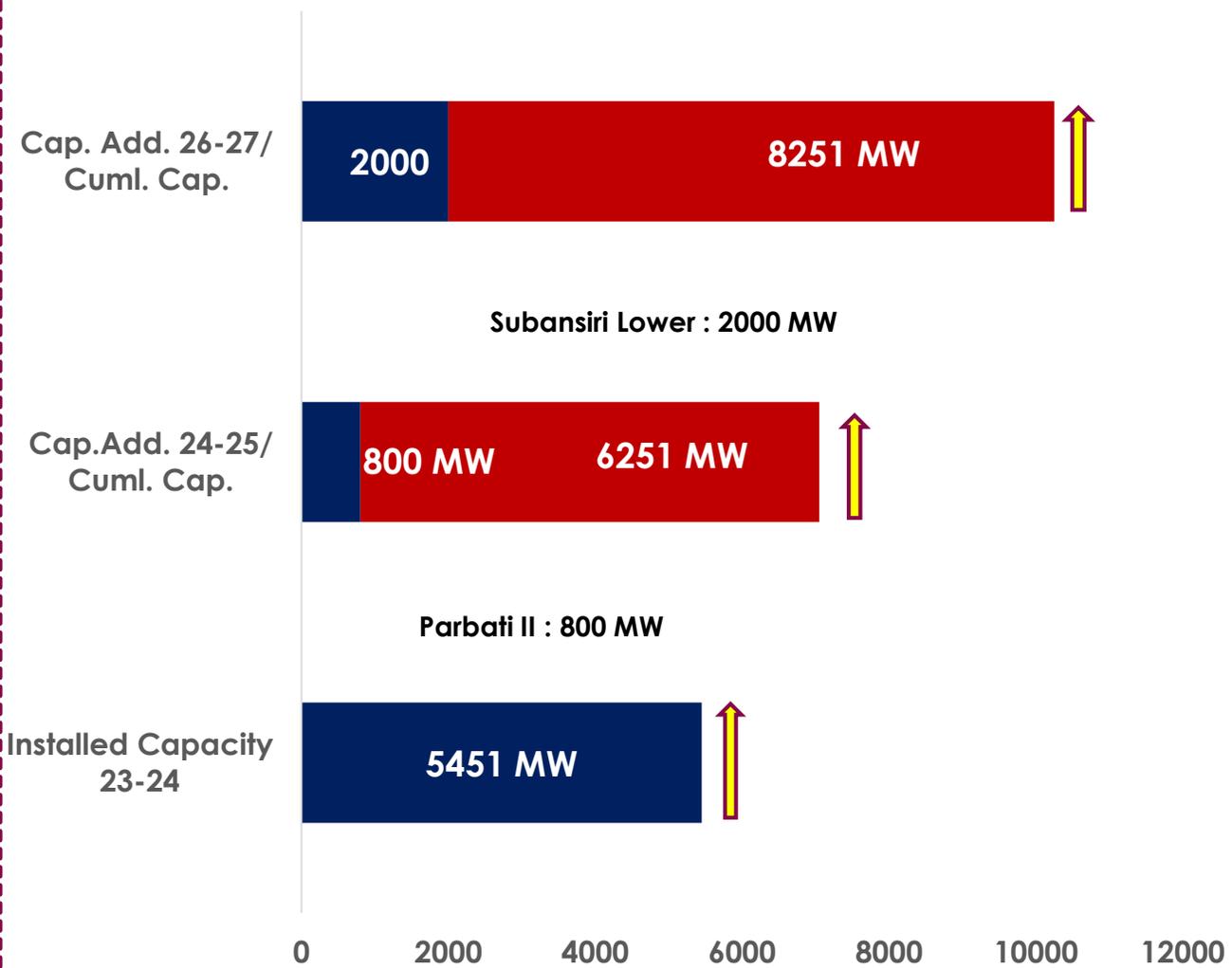
## Financial Performance



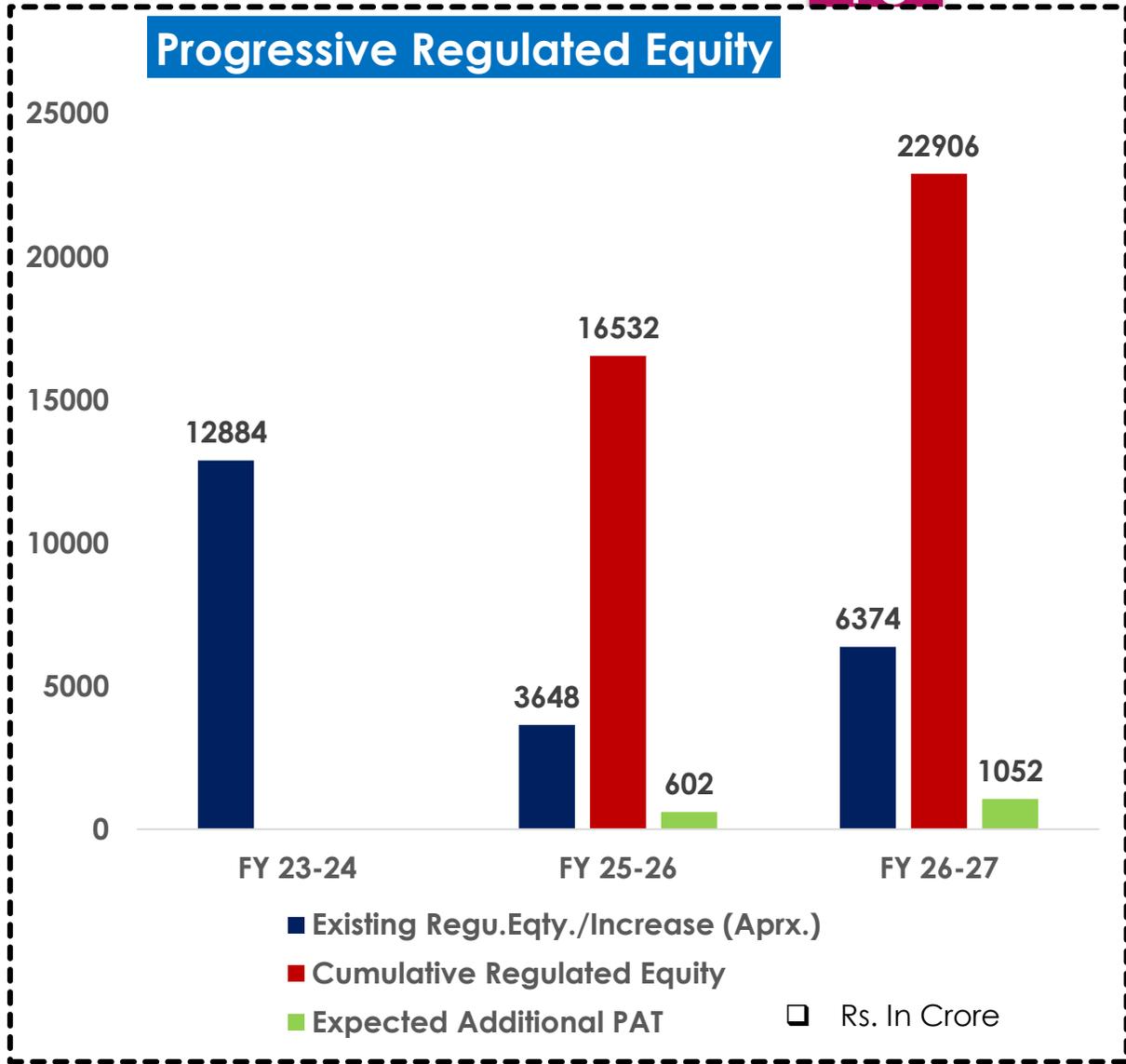
Particulars	FY'25		FY'24			% Change	
	Half Year	Qtr-2	Half Year	Qtr-2	Full Year	Half Year	Qtr-2
Actual Generation (in MU)	3504	2520	2858	2399	4473	22.60%	5.04%
Actual PAF (in %)	94.73	103.05	94.79	102.47	96.43	-0.06%	0.58%
Revenue from Operations	793.77	509.59	653.95	453.85	1268.76	21.38%	12.28%
Total Income	895.07	560.04	760.58	508.82	1500.27	17.68%	10.07%
Profit After Tax (PAT)	491.46	327.28	410.49	297.74	812.24	19.73%	9.92%
PAF Based Incentive	16.98	16.74	17.33	18.51	42.81	-2.02%	-9.56%
Secondary Energy	308.63	252.23	209.17	209.17	270.61	47.55%	20.59%
Deviation Charges.	2.68	0.67	3.99	1.18	20.61	-32.83%	-43.22%

# NHPC – Capacity Addition & Regulated Equity (Hydro)

## Progressive Capacity Addition



## Progressive Regulated Equity



Power Station with highest generation during H1FY'25 : Salal (2652 MU, Annual D.E-3082 MU)



F.Y	Amount (Rs. In Crore)	Remarks
2016-17	2438	(Actual)
2017-18	2722	(Actual)
2018-19	2213	(Actual)
2019-20	4155	(Actual)
2020-21	3568	(Actual)
2021-22	5166	(Actual)
2022-23	6961	(Actual – Consolidated)
2023-24	8652	(Actual – Consolidated)
2024-25	11762	(Consolidated Target)



- ❖ NHDC, the subsidiary of NHPC has fully commissioned 88 MW Floating Solar PV Power Project at Omkareshwar Reservoir on 10.10.2024 with the Commissioning Certificate (COD) obtained on 29.10.2024.
- ❖ Under the MNRE-REIA Scheme, NHPC has signed Power Purchase Agreements (PPAs) for 3000 MW with eight Solar Power Developers in April/May 2024 for the purchase of solar power. As the Renewable Energy Implementing Agency, NHPC will be earning trading margins through this initiative.
- ❖ Power Purchase Agreement has been signed between NHPC and Gujarat Urja Vikas Nigam Ltd. at Vadodara on 27.06.2024 for setting up 200 MW Solar PV project at GSECL Khavda Solar Park and further sale of power to GUVNL for period of 25 years from COD.
- ❖ Power Purchase Agreement has been signed between NHPC & GRIDCO on 29.06.2024 for setting up 40 MW Solar PV project at Ganjam, Orissa & further sale of power to GRIDCO for period of 25 years from COD.
- ❖ NHPC has awarded the EPC contract for 50 MW Floating Solar Power project in Kerala's West Kallada District to M/s Apollo Green Energy Limited on 26.07.2024.
- ❖ NHPC has awarded the EPC contract for 200 MW Grid Connected Solar photovoltaic Power Projects (stage-1) located in 600 MW Solar Park at Khavda, Gujarat to M/s Apollo Green Energy Limited on 05.08.2024.

# NHPC Projects At A Glance



NHPC-Energising India With Hydropower

# NHPC: Hydro Projects Under Construction

## Standalone

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NHPC Project	Installed Capacity (MW)	Design Energy (MU)	Type of the project	CCEA Estimated Cost (Rs. Crore) (Price Level)	Anticipated Project Cost (Rs. Crore)	Provisional Project Expenditure till –Sept'24 (Rs. Crore)	Expected Commissioning Schedule
Parbati II, (4X200) Himachal Pradesh	800	3124	Run of River with small pondage	3919.59 (Dec'01)	12160 (completion level)	11875.05	FY 24-25 (Q-4)
Subansiri Lower, (8X250) Assam/ Ar. Pradesh	2000	7422	Run of River with small pondage	6285.33 (Dec'02)	21247.54 (RCE under revision)	22026.82	FY 26-27 (Q-1)
Dibang, (12X240) Arunachal Pradesh	2880	11223	Hydropower cum flood moderation scheme	31876.39 (May'21)	31876.39 (May'21)	2524.53	FY 31-32 (Q-4)
<b>Total (A)</b>	<b>5680</b>	<b>21769</b>		<b>42081.31</b>	<b>65283.93</b>	<b>36426.4</b>	

# NHPC: Hydro Projects Under Construction

Subsidiary

21

NHPC Project	Installed Capacity (MW)	Design Energy (MU)	Type of the project	CCEA Estimated Cost (Rs. Crore) (Price Level)	Anticipated Project Cost (Rs. Crore)	Provisional Project Expenditure till – Sept'24 (Rs. Crore)	Expected Commissioning Schedule
Rangit-IV, (3X40) Sikkim	120	508	Run of River	938.29 (Oct'19)	1828.11 (Completion Level)	1240.93	FY 25-26 (Q-3)
Kiru, (4X156) UT of J&K	624	2272	Run of River	4287.59 (July'18)	4287.59 (July'18)	1866.85	FY 26-27 (Q-2)
Rattle, (4X205+30) UT of J&K	850	3137	Run of River	5281.94 (Nov'18)	5281.94 (Nov'18)	784.25	FY 27-28 (Q-3)
Teesta-VI, (4X125) Sikkim	500	2400	Run of River	5748.04 (July'18)	5748.04 (July'18)	3731.76	FY 27-28 (Q-3)
Pakal Dul, (4X250) UT of J&K	1000	3230	Run of River	8112.12 (Mar'13)	8112.12 (Mar'13)	5091.51	FY 26-27 (Q-2)
Kwar, (4x135) UT of J&K	540	1975	Run of River	4526.12 (Sept.20)	4526.12 (Sept.20)	769.72	FY 27-28 (Q-3)
<b>Total (B)</b>	<b>3634</b>	<b>13522</b>		<b>28894.10</b>	<b>29783.92</b>	<b>13485.02</b>	
<b>Total (A+B)</b>	<b>9314</b>	<b>35291</b>		<b>70975.41</b>	<b>95067.85</b>	<b>49911.42</b>	

# NHPC: Solar Project Under Construction

## Standalone

S.No	Name of Project	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tariff (Rs./unit)	Status of PPA
1	600 MW Grid Connected Solar Power Project under CPSU Scheme, Gujarat	600	4295.63	2025-26 (Transmission system for power evacuation at KPS-1, Khavda ISTS Sub-station is likely to be ready by Jan-2026)	2.45	Power Usage Agreement signed with DISCOMs (Telangana) for 500 MW on 28.03.2023 and with PSPCL (Punjab) for 100 MW on 16.05.2023.
2	300 MW Grid Connected Solar Power Project under CPSU Scheme, Rajasthan	300	1731.57	2024-25 (likely to be commissioned by March-25)	2.45	Power Usage Agreement signed with PSPCL (Punjab) for 300 MW Project on 16.05.2023.
3	100 MW Grid Connected Solar Power Project under CPSU Scheme, Andhra Pradesh.	100	577.20	2024-25 (likely to be commissioned by March-25)	2.45	Power Usage Agreement signed with WB Discom for 100 MW Project on 23.11.2022.

# NHPC: Solar Project Under Construction

## Standalone

S.No	Name of Project	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tariff (Rs./unit)	Status of PPA
4	Floating Solar Kerala (50MW), West Kallada	50	259.71	2025-26 (likely to be commissioned by Feb-26)	3.04 (ceiling tariff)	Initiated Draft PPA Exchanged between NHPC and KSEB on 10.07.2024 and final signing of PPA is subjected to approval of KSERC.
5	40 MW Solar power project in Odisha	40	151.74	2025-26 (likely to be commissioned by May-25)	2.75	Supplementary PPA signed with GRIDCO on 29.06.2024.
6	200 MW Grid Connected Solar photovoltaic Power Projects(stage-1) located in 600 MW Solar Park at Khavda, Gujarat.	200	929.00	2025-26 (likely to be commissioned by August-25)	2.73	PPA signed with GUVNL on 10.08.2023
<b>Total (A)</b>		<b>1290</b>	<b>7944.85</b>			

# NHPC: Solar Project Under Construction

## Standalone (As Intermediary Procurer)

S.No	Name of Project	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tariff (Rs./unit)	Status of PPA
1	Projects through Solar Power Developers, Rajasthan	2000	0.00	<ul style="list-style-type: none"> <li>Out of total 2000 MW, 700 MW already commissioned.</li> <li>400 MW project is aligned to be commissioned within one month of respective ISTS Commissioning [i.e. October-2025].</li> <li>300 MW Project is facing GIB issue despite all other requisite clearances. Project can be commissioned within 9 to 12 months of resolution of GIB Issue.</li> <li>However, commissioning of 600 MW Project is dependent upon transfer of identified govt. land to developer by Govt. of Rajasthan.</li> </ul>	2.55 (1680M W) 2.56 (320 MW)	PPA and PSA signed. Tariff adopted by CERC
2	Tranche-I(2023-24)	3000	0.00	<ul style="list-style-type: none"> <li>24 months from PPA signing date i.e. April-May, 2026</li> <li>Preliminary activities being taken up.</li> </ul>	2.52 for 250 MW & 2.53 for 2750 MW	PPA Signed with selected developers for entire 3000MW
<b>Total-(a)</b>		<b>5000</b>	<b>0.00</b>			

# Projects under Pipeline

- Hydro Power
- Solar Energy



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# NHPC: Solar Projects under Tender and pipeline

## A. Standalone (Ownership Based)

### (a) Tender Stage

S.No	Name of Project	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	200 MW Grid Connected Solar photovoltaic Power Projects(stage-3) located in 600 MW Solar Park at Khavda, Gujarat.	200	847.00	2026-27	2.66	PPA signed with GUVNL on 27.06.2024.
	<b>Total-A</b>	<b>200</b>	<b>847.00</b>			

## B. Subsidiary/JV Mode

### (a) Under Pipeline

S.No	Name of Project	Capacity (MW)	Estimated Capital Cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Solar Park, Jalaun (U.P.) under UMREPP (Subsidiary -BSUL)	1200	840.00	2025-26	To be discovered	<ul style="list-style-type: none"> <li>REMCL vide letter dated 17.01.2022 conveyed approval of Railway Board for procurement of 1405 MUs (equivalent to 800 MW) power on optimum scheduling mode.</li> <li>BSUL requested UPNEDA and UPPCL for providing consent for procurement of balance power 1591 MU.</li> </ul>
	<b>Total- B</b>	<b>1200</b>	<b>840.00</b>			
	<b>Grand Total (A+B)</b>	<b>1400</b>	<b>1687.00</b>			

# NHPC: Solar Projects under Tender and pipeline

## Standalone (As Intermediary Procurer)

### (a) Tender Stage

S.No	Name of Project	Bidding Trajectory	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1.	(Firm & Dispatchable (RTC) RE Power – Tranche-II	2023-24	1400	0.00	24 months from PPA signing date	4.55 for 120 MW, 4.63 for 150MW & 4.64 for 1130 MW	Tariff discovered, PPA under exploration
2.	(Solar & Wind Hybrid) –Tranche-III	2023-24	960	0.00	24 months from PPA signing date	3.48 for 150 MW & 3.49 for 810 MW	Tariff discovered, PPA under exploration.
3.	(FDRE)(Assured Peak)– Tranche-IV	2023-24	1200	0.00	24 months from PPA signing date	LOA shall be issued after conclusion of Green Shoe option with anticipated date as 31.10.2024.	<ul style="list-style-type: none"> <li>Obtaining consent of buying entities for signing of PSA under exploration.</li> <li>PPA shall be signed after signing of PSAs</li> </ul>
4.	Solar –Tranche-V	2024-25	2400	0.00	24 months from PPA signing date	2.56 for 100MW,300MW,300MW and 2.57 (e-RA) / 2.56 (greenshoe) for 600MW ,1100MW	<ul style="list-style-type: none"> <li>Obtaining consent of buying entities for signing of PSA under exploration.</li> <li>PPA shall be signed after signing of PSAs</li> </ul>
<b>Total-(a)</b>				<b>0.00</b>			

# NHPC: Solar Projects under Tender and pipeline

## Standalone (As Intermediary Procurer)

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### (a) Tender Stage

S.No	Name of Project	Bidding Trajectory	Capacity (MW)	Estimated Capital Cost (in Crs.)	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
5.	(FDRE) (Assured Peak) – Tranche-VI	2024-25	1200	0.00	24 months from PPA signing date	Under Tendering Process	PPA will be explored after tariff is discovered.
6.	(Wind) –Tranche-VII	2024-25	600	0.00	24 months from PPA signing date	Tender Under Cancellation due to poor response	-
7.	(Solar with Storage (Tranche-VIII)	2024-25	1200	0.00	24 months from PPA signing date	Under Tendering Process	PPA will be explored after tariff is discovered.
8.	(Solar (Tranche-IX)	2024-25	1200	0.00	24 months from PPA signing date	Under Tendering Process	PPA will be explored after tariff is discovered.
	<b>Total-(a)</b>			<b>0.00</b>			

# NHPC: Hydro Projects Under Clearance

## Standalone

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S. N.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
1	Teesta-IV (4x130) Sikkim	520	2252	6113 (Apr'21)	<ul style="list-style-type: none"> <li>All statutory clearances have been received except forest clearance (stage-II). Approval for pre-investment activities received on 03.05.2016. PIB Memo is held up for want of forest clearance (stage-II).</li> <li>Regular persuasion is being done with State Government for expeditiously resolving the issues of compliance of Forest Clearance (Stage-II) related to FRA, 2006 and acquisition of 181.06 ha private &amp; departmental land.</li> <li>During the conference of Power minister's of North Eastern states held on 09.07.2024, Secretary (Power) Govt. of Sikkim, informed that the consultations with the Government and local bodies regarding the Project would be expedited.</li> </ul>
2	Dugar (4 x103 + 2x44) Himachal Pradesh	500	1760	4250 (Apr'2021)	<ul style="list-style-type: none"> <li>MOU signed on 25.09.2019 at Shimla and NHPC signed Implementation Agreement with Govt. of Himachal Pradesh on dated 26.08.2022.</li> <li>Defence clearance (validity upto 10.05.2027), IWT clearance and Concurrence of CEA are available.</li> <li>CEA accorded the Concurrence on 26.04.2022. The completion cost of the project is Rs. 4250.20 Crore with Levellised Tariff Rs. 4.46/unit.</li> <li>IWT clearance accorded on 01.05.2023.</li> <li>EAC vide MoM dated 06.09.22 recommended project for accord of Environment Clearance subject to submission of FC-1 by the Developer.</li> <li>Forest clearance is in progress.</li> </ul>

# NHPC: Hydro Projects Under Clearance

## Standalone

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S.No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
3	Sawalkot (6x225+1x56) UT of J&K	1856	7995	22704.80 (Completion)	<ul style="list-style-type: none"> <li>The project shall be executed by NHPC on BOOT basis for the period of 40 years.</li> <li>NHPC has taken over the Project from JKSPDC.</li> <li>The Ministry of Power has accorded approval on 12.07.2022 for incurring expenditure on pre investment activities for an amount of ₹ 973 crore at Nov.2021 Price Level.</li> <li>CEA vide letter dated 27.12.2022 vetted the cost estimates at completion level for an amount of ₹22704.80 crore including ₹4593.41 crore for IDC and ₹1124.20 crore for enabling infrastructure.</li> <li>Forest clearance is in progress.</li> </ul>
4	Uri-I Stage-II (2x120) UT of J&K	240	932.6	2526.79 (Completion)	<ul style="list-style-type: none"> <li>MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021 with a Valid for 2 years i.e. up to 02.01.2023.</li> <li>MoU was extended on 25.09.2023 for a period of 1 year up to 02.01.2024. Case of further extension of validity of MoU for 1 year i.e. up to 02.01.2025 is pending with Govt. of J&amp;K.</li> <li>The project shall be executed by NHPC on BOOT basis for the period of 40 years.</li> <li>MOEF&amp;CC vide letter dated 10.06.2021 has conveyed the approval to the TOR for EIA/EMP studies.</li> <li>Public Hearing was conducted on 21.12.2023 and proceedings were submitted to MoEF&amp;CC on 28.12.2023.</li> <li>Process for obtaining forest clearance is in progress.</li> <li>DPR concurred by CEA on 07.03.2023 amounting to ₹2526.79 crore at completion level including ₹249.45 crores for IDC and ₹26.20 crores for enabling infrastructure.</li> </ul>
<b>Total</b>		<b>3116</b>	<b>12939.6</b>	<b>35594.59</b>	

# Hydro Project Under Clearance

## Subsidiary

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S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Kirthai-II (6x140 + 2x35 + 2x10) UT of J&K	930	3330	6384 (Feb'20)	<ul style="list-style-type: none"> <li>• MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021.</li> <li>• The project shall be executed by M/s CVPPPL on the same terms and conditions of that of Pakaldul, Kiru &amp; Kwar H E Projects.</li> <li>• The Appraisal has been transferred in the name of CVPPPL by CEA on 29.12.2021.</li> <li>• Extension of validity of appraisal up to 13.06.2024 was accorded by CEA on 29.08.2022.</li> <li>• Extension of validity of appraisal up to 13.06.2026 is under process.</li> <li>• Balance investigation works are in progress in compliance to DPR concurrence.</li> <li>• Based on survey &amp; investigations, some modifications were necessitated. Hence, Memorandum of Changes (MoC) was prepared and submitted by CVPPPL in May' 2024 to CEA.</li> <li>• As required, one to one meeting with the appraising groups are under progress.</li> <li>• Defence Clearance was accorded by MoD on 24.03.2022.</li> <li>• EAC had recommended for grant of Environment Clearance (EC) to the project on 15.04.2021. MoEF vide letter dated 24.5.2021 has intimated JKSPDC that EC shall be accorded after Stage-I Forest Clearance is granted.</li> <li>• Application for FC on Parivesh Portal of MOEF&amp;CC submitted on dated 19.10.2022.</li> </ul>

# NHPC: Hydro Project Under Clearance

## Subsidiary

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S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
2	Loktak D/S (2x33) Manipur	66	333.76	1311 (Jul 20)	<ul style="list-style-type: none"> <li>All statutory clearances of project except CCEA are available.</li> <li>PPA signed between Govt. of Manipur and LDHCL on 31.08.2020.</li> <li>PIB Memo meeting held on 14.07.2021. As per PIB minutes, Cost (at completion) of Project without &amp; with establishment cost till zero date, likely year wise phasing of expenditure at Completion Cost (including establishment cost till zero date) during project cycle and funds to be made available by State Govt. of Manipur &amp; Tariff calculations furnished to MoP vide letter dated 16.08.2021 for further direction &amp; necessary action.</li> <li>NHPC shared the above information with Govt of Manipur as per direction of PIB vide letter dtd 19.08.2021. Confirmation of Govt. of Manipur is awaited despite regular persuasion by NHPC / MoP.</li> <li>CEA has declined to extend the validity of the concurrence of DPR vide their letter dt 04.08.2022.</li> <li>Board of Directors of NHPC in its 478th meeting held on 27.03.2024 accorded 'In-principal approval for closure of LDHCL' subject to approval of DIPAM, MoP and Govt. of Manipur.</li> </ul>
<b>TOTAL</b>		<b>996</b>	<b>3663.76</b>	<b>7695</b>	

S. No.	Projects	State	Installed Capacity (MW)	Status
<b>Projects Under FR/DPR Preparation</b>				
1	Garba Tawaghat (3x210)	Uttarakhand	630	<ul style="list-style-type: none"> <li>MoP vide letter dated 28.12.2023 requested NHPC to take up the matter of implementation of Garba Tawaghat HE Project with JHDC. Accordingly, NHPC vide letter dated 19.01.2024 requested MoP to include nominee of NHPC in the JHDC to take up the matter appropriately in the forum. The response is awaited.</li> <li>CMD, NHPC vide letter dated 24.06.2024 requested Secretary(Power) to coordinate with MEA for expediting the consent of Nepalese side to hold the discussions with NHPC officials for sorting out the matter.</li> <li>A meeting under the chairmanship of JS (Hydro), MoP was held on 23.07.2024 to discuss the implementation of the project. Minutes awaited.</li> <li>NHPC vide letter dated 07.08.2024 requested GoUK for extension of validity of Implementation Agreement of Garba Tawaghat HE Project for further period of 5 years i.e. upto 31.08.2029.</li> <li>MoP vide letter dated 19.08.2024 requested MEA to take up the matter with Embassy of India in Kathmandu to expedite the process of obtaining consent from the Nepalese authorities for carrying S&amp;I activities by NHPC.</li> </ul>

S. No.	Projects	State	Installed Capacity (MW)	Status
<b>Projects Under FR/DPR Preparation</b>				
2	Dulhasti Stage-II (2x130)	UT of Jammu & Kashmir	260	<ul style="list-style-type: none"> <li>MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021 with a Validity for 2 years i.e. up to 02.01.2023.</li> <li>MoU was extended on 25.09.2023 for a period of 1 year up to 02.01.2024. Case of further extension of validity of MoU for 1 year i.e. up to 02.01.2025 is pending with Govt. of J&amp;K.</li> <li>The project shall be executed by NHPC on BOOT basis for the period of 40 years.</li> <li>MoEF&amp;CC vide letter dated 16.07.2021 has conveyed the approval to the ToR for EIA/ EMP studies of the project.</li> <li>EIA/ EMP studies awarded on 08.09.2021 and Chapters of draft EIA &amp; EMP has been prepared.</li> <li>No forest clearance is required. NOC has been obtained from Forest department on 13.12.2021.</li> <li>Defence Clearance has been accorded by MoD on 03.01.2022.</li> <li>As per revised guidelines, all (14 nos.) Pre-DPR chapters have been submitted to concerned directorates of CEA/CWC/GSI/CSMRS etc. out of 14 Chapters, 13 Chapters cleared.</li> </ul>

# NHPC: Hydro Projects Under Survey & Investigation

S. No.	Projects	State	Installed Capacity (MW)	Status
<b>Projects Under PFR/DPR Preparation</b>				
3	Subansiri Upper	Arunachal Pradesh	1605	<ul style="list-style-type: none"> <li>Government of Arunachal Pradesh has conveyed its approval on 21.07.2023 for allotment of the Project to NHPC.</li> <li>MoA with the Govt. of Arunachal Pradesh has been signed on 12.08.2023. Site office has been established.</li> <li>Payment of Rs. 100 crores released to M/s KSK towards project Acquisition cost on 23.08.2023.</li> <li>TOR granted by MoEF on 07-09-2024. LOA issued on 17.08.2024 for carrying out EIA/EMP studies.</li> <li>Application for FC-1 has been applied on Parivesh Portal 2.0 on 30.08.2024. NOC received from State Forest Deptt. on 04.10.2024 for identification of CA land outside Arunachal Pradesh.</li> <li>DPR is under preparation.</li> </ul>
4	Kamla	Arunachal Pradesh	1720	<ul style="list-style-type: none"> <li>Government of Arunachal Pradesh has conveyed its approval on 21.07.2023 for allotment of the Project to NHPC.</li> <li>MoA with the Govt. of Arunachal Pradesh has been signed on 12.08.2023. Site office has been established.</li> <li>Payment of Rs. 201.54 Crores released to M/s Kamala HE Power Company Ltd. (Hydropower Corporation of Arunachal Pradesh – Jindal Power Ltd. JV) towards Project Acquisition cost on 22.08.2023.</li> <li>TOR granted by MoEF on 07.08.2024. LOA issued on 19.07.2024 for carrying out EIA/EMP studies.</li> <li>Application for Forest Clearance (FC-1) has been applied in Parivesh Portal 2.0 on 25.04.2024. NOC received from State Forest Deptt. on 04.10.2024 for identification of CA land outside Arunachal Pradesh</li> <li>DPR has been submitted to CEA on 22.10.2024. Clearance is awaited.</li> </ul>
<b>Total</b>			<b>1215</b>	

# New Initiatives

## ☐ Pumped Storage Schemes



Green Power, Clean Power

## Pump Storage Project Scheme

### (1) Maharashtra

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Savitri	1800	<ul style="list-style-type: none"> <li>• MOU has been signed on 06.06.2023 between NHPC and Department of Energy, Govt of Maharashtra for establishment of Kalu (1150 MW), Savitri (2250 MW), Kengadi (1550 MW), Jalond (2400 MW) PSPs along with other Renewable Energy Projects.</li> <li>• Following the issuance of a corrigendum on 31.07.2024 regarding Maharashtra's PSPs Policy, NHPC re-entered a Memorandum of Understanding (MoU) on 03.09.2024 with the Department of Water Resources, Government of Maharashtra.</li> <li>✓ PFR of Savitri PSP has been prepared and submitted to Govt. of Maharashtra &amp; CEA.</li> <li>✓ DPR preparation of Savitri PSP is under process.</li> <li>✓ PFR of Kengadi PSP has been prepared and submitted to Govt. of Maharashtra.</li> <li>✓ PFR preparation of Kalu PS is under process .</li> <li>✓ As per the feasibility assessment some part of the Jalond project area falls under the wild life sanctuary and hence it appears not to be feasible. However, further optimization is required.</li> <li>✓ NHPC had requested Government of Maharashtra for allotment of Water for proposed PSPs schemes.</li> <li>✓ Govt. of Maharashtra seek willingness for development of the 07 more PSPs aggregating to 3810MW.</li> <li>✓ NHPC has tender the willingness for the same.</li> </ul>
2	Kengadi	600	
3	Kalu	1150	
4	Jalond	2400	
<b>Total</b>		<b>5950</b>	

## Pump Storage Project Scheme

### (2) Andhra Pradesh (under JV mode with APGENCO)

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Rajupalem	800	<ul style="list-style-type: none"> <li>➤ NHPC has signed an MOU on 23rd August'2023 with Andhra Pradesh Power Generation Corporation (APGENCO) Limited (A Govt. of Andhra Pradesh Undertaking) for Implementation of Pumped Hydro Storage Projects and Renewable Energy Projects under Joint Venture Mode in Andhra Pradesh.</li> <li>➤ Board of Directors of NHPC and APGENCO has approved the Joint Venture Agreement for formation of Joint Venture Company between NHPC &amp; APGENCO.</li> </ul>
2	Yaganti	1000	<ul style="list-style-type: none"> <li>➤ MOP vide Letter dated 12.03.2024 &amp; 09.05.2024 has conveyed the concurrence of DIPAM and NITI Aayog and directed NHPC to further necessary action as per extant rules of Govt. of India in this regard and In-Principal approval of Hon'ble Minister for Power &amp; NRE.</li> <li>➤ Joint Venture Agreement has been signed on 27.09.2024 between NHPC and APGENCO. In first phase Rajupalem (800 MW) &amp; Yaganti (1000 MW) has been identified for joint implementation.</li> <li>➤ Formation &amp; incorporation of JV is under process.</li> </ul>
<b>Total</b>		<b>1800</b>	

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Indrasagar-Omkareswar	640	<ul style="list-style-type: none"> <li>➤ Govt. of MP vide Letter dated 07.06.2023 has allotted the Project to NHDC for implementation.</li> <li>➤ PFR submitted by NHDC to CEA on 13.06.2023.</li> <li>➤ 1<sup>st</sup> Consultation Meeting for preparation of DPR was held by CEA on 28.06.2023.</li> <li>➤ Review meeting was taken by Chairperson CEA on 20.09.23 and advised to take innovative measures for further optimization of Tariff.</li> <li>➤ DPR chapters as per guideline and checklist of CEA is under preparation.</li> <li>➤ Layout Finalization Chapters of Indira Sagar- Omkareshwar PSP (640MW), Madhya Pradesh has been submitted to CEA on 15.12.2023 for Layout Finalization.</li> <li>➤ The exploratory drilling work and other survey &amp; Investigation required for DPR is in progress.</li> </ul>
2	Tekwa-2	800	<ul style="list-style-type: none"> <li>➤ PFR has been prepared and submitted by NHPC to Govt of MP and CEA.</li> <li>➤ 1st consultation meeting for preparation of DPR was held on 28.06.2023.</li> </ul>
3	Satpura-2	1500	<ul style="list-style-type: none"> <li>➤ PFR has been prepared by NHPC.</li> <li>➤ A meeting on 03.03.2023 with Principal Secretary (Energy), GoMP wherein NHPC requested for allotment of said project .</li> <li>➤ PFR has been submitted to CEA on 03.04.2024</li> </ul>
<b>Total</b>		<b>2940</b>	

### (4) Odisha

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Masinta PSP	1000	<ul style="list-style-type: none"> <li>➤ MoU has been signed between NHPC Limited and Govt. of Odisha through GRIDCO Limited for “Development of Pumped Storage Projects (PSPs) in the State of Odisha” on 23rd June 2023.</li> <li>➤ The MOU envisages setting up of at least 2000 MW PSPs in self-identified potential sites and Renewable Energy projects of 1000 MW or above in the State of Odisha.</li> <li>➤ GRIDCO had requested NHPC for site visit for detailed Preliminary assessment cum Pre-Feasibility studies. NHPC team has visited few sites from 21.09.2023 to 26.09.2023. No site was found feasible.</li> <li>➤ NHPC team visited for potential site near Rengali reservoir for assessment of PSP in March, 2024. One site is found feasible for further studies.</li> <li>➤ PFR of Masinta PSP (1000 MW) submitted to GRIDCO Limited on 30.08.2024.</li> </ul>
	<b>Total</b>	<b>1000</b>	

### (5) Gujarat

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Kuppa PSP	900	<ul style="list-style-type: none"> <li>➤ MoU has been signed between NHPC &amp; Gujarat Industries Power Company Limited (GIPCL) on 17<sup>th</sup> October 2023 for development of Pumped Storage &amp; RE Projects in the State of Gujarat.</li> <li>➤ Under the aegis of “Vibrant Gujarat” NHPC signed an MoU with Gujarat Power Corporation Limited, Government of Gujarat for investment in Kuppa PSP (750 MW) on 03.01.2024.</li> <li>➤ GIPCL (Gujarat Industries Power Company Ltd.) vide email dated 29.5.2024 has requested NHPC for a joint site visit of 05 nos. PSPs site (Kaprada-1300MW, Wilshon Ghat- 1000MW, Ganiyabar-830MW, Umedpura-660MW, Dobachapura-500MW) aggregating to 4290MW.</li> <li>➤ NHPC team has visited two PSP sites in association with GIPCL from and submitted their report.</li> <li>➤ PFR of Kuppa PSP 900 MW submitted to Govt. of Gujarat on 31.08.2024.</li> </ul>
	<b>Total</b>	<b>900</b>	

### (6) Tripura

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Longtharai PSP	800 MW	<ul style="list-style-type: none"> <li>➤ NHPC is under discussion with Government of Tripura for allotment of PSPs sites to NHPC for carrying out suitable analysis, studies, preparation of PFR/FR/ DPR and implementation of the project, if found techno commercially viable.</li> <li>➤ Tripura Renewable Energy Development Agency, Govt. of Tripura vide Letter dated 27.10.2023 has requested NHPC for deputing senior level officials to make technical representation and detailed discussion at Agaratala on 09.11.2023.</li> <li>➤ Tripura Power Generation Limited on 20.12.2023 has conveyed the allotment of 04 nos. Pumped Storage Projects to NHPC Limited by the Government of Tripura at Longtharai, Sunitipur, Shantipur and Sakhan PSP sites in the State of Tripura for detailed Survey &amp; Investigation Works and their subsequent Implementation based on their techno-commercial viability.</li> <li>➤ PFR of Longtharai PSP (800 MW) is under process.</li> </ul>
<b>Total</b>		<b>800 MW</b>	

### (7) ONGC, PUNJAB & CHHATISGARH

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	ONGC		NHPC has signed MOU with ONGC on 15.12.2023 for cooperation in exploration and development of Pumped Hydro Storage and other Renewable Projects in the country.
2	PSPCL, Punjab		NHPC has signed MOU with Punjab State Power Corporation Limited (PSPCL), Govt. of Punjab on 14.03.2024 for development of Pumped Storage Projects.
3	Chhatisgarh		NHPC has self-identified a potential site for development of PSP in the state of Chhattisgarh. Based on the preliminary evaluation, NHPC has requested Govt. of Chhattisgarh for the allotment of Sikaser-Gariaband PSP (800 MW) site for further development, if found techno commercially viable. The said project is considered for joint implementation.

# NHPC: Standalone Projects in Operation

## Hydro

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S. No	NHPC Project & State/UT	Installed Capacity (MW)	Design Energy (MU)	Year of comm.	Capital Cost as on 31.03.24	Tariff (23-24) (Rs./Kwh)	Type of the project
1	Baira Siul, (3x60) Himachal Pradesh	180	708.59	1981 (Sep)	308.41	2.65	Run of River (ROR) with small pondage
2	Loktak, (3x35) Manipur	105	448.00	1983 (May)	183.73	3.89	Storage
3	Salal, (6x115) UT of J&K	690	3082.00	1987 (Nov)	1060.82	2.64	ROR
4	Tanakpur, (3x40) Uttarakhand	94.2	452.19	1992 (Apr)	431.89	5.35	ROR
5	Chamera-I, (3x180) Himachal Pradesh	540	1664.56	1994 (Apr)	2109.40	2.28	Storage
6	Uri-I, (4x120) UT of J&K	480	2587.38	1997 (Apr)	3465.47	2.36	ROR
7	Rangit, (3x20) Sikkim	60	338.61	2000 (Feb)	517.03	4.03	ROR with small pondage
8	Chamera-II, (3x100) Himachal Pradesh	300	1499.89	2004 (Feb)	2025.08	2.41	ROR with small pondage
9	Dhauliganga-I, (4x70) Uttarakhand	280	1134.69	2005 (Oct)	1766.63	2.70	ROR with small pondage.
10	Dulhasti, (3x130) UT of J&K	390	1907.00	2007 (Mar)	5232.99	5.11	ROR with small pondage

# NHPC: Standalone Projects in Operation

## Hydro

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S.No.	NHPC Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.24	Tariff (23-24) (Rs. /Kwh)	Type of the project
11	Teesta-V, (3x170) Sikkim	510	2573	2008 (Mar)	2798.52	1.97	ROR with small pondage
12	Sewa-II, (3x40) UT of J&K	120	533.53	2010 (Jun)	1154.71	4.60	ROR with small pondage
13	Chamera-III , (3x77) Himachal Pradesh	231	1108.17	2012 (Jun)	2092.25	4.18	ROR with small pondage
14	Chutak , (4x11) UT of Ladakh	44	212.93	2013 (Jan)	945.34	9.91	ROR
15	TLDP-III, (4x33) West Bengal	132	594.07	2013 (Mar)	1942.70	5.59	ROR with small pondage
16	Nimoo Bazgo, (3x15) UT of Ladakh	45	239.33	2013 (Jan)	1071.21	10.61	ROR with small pondage
17	Uri -II, (4x60) UT of J&K	240	1123.77	2014 (Feb)	2379.65	5.27	ROR
18	Parbati-III, (4x130) Himachal Pradesh	520	1963.29	2014 (May)	2704.39	2.72	ROR with small pondage
19	TLDP IV, (4x40) West Bengal	160	717.72	2016 (Aug)	1740.60	4.35	ROR with small pondage
20	Kishanganga, (3x110) UT of J&K	330	1712.96	2018(Mar)	5786.27	4.94	ROR with Pondage
	<b>Total-A</b>	<b>5451.2</b>	<b>24601.68</b>		<b>39717.09</b>	<b>4.01</b>	

# NHPC: Standalone Projects in Operation

## Renewable Energy

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S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2024	Tariff 23-24 (Rs./unit)	Place of Project
1	Wind Power	50	94.25	2016	330.40	3.67	Lakhmana, Jaisalmer
2	Solar Power	50	105.96	2018	290.59	4.41	Theni/Dindigul District, Tamilnadu
	<b>Total-B</b>	<b>100</b>	<b>200.21</b>		<b>620.99</b>		
<b>Sub Total Standalone(A+B)</b>		<b>5551</b>	<b>24801.89</b>		<b>40338.08</b>	<b>4.02</b>	

# NHPC: Subsidiary Projects in Operation

## Hydro

S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2024	Tariff 23-24 (Rs./Kwh)	Type of the project
1	Indrasagar, (8x125) Madhya Pradesh	1000	1423.26	2005	5566.00	3.97	Storage
2	Omkareshwar, (8x65) Madhya Pradesh	520	736.46	2007	3147.32	4.70	Storage
	<b>Total-A</b>	<b>1520</b>	<b>2159.72</b>		<b>8713.32</b>	<b>4.22</b>	

# NHPC: Subsidiary Projects in Operation

## Renewable Energy

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S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2024	Tariff 23-24 (Rs./unit)	Place of Project
1	Solar Power Project, Kalpi (UP) (Subsidiary - BSUL)	65	148.38	2023-24	309.46	2.68	Jalaun District (Uttar Pradesh)
2	Ground Mounted Solar PV Plant (Subsidiary – NHDC)	8	14.85	2023-24	46.53	3.22	Sanchi (M.P.)
3	Omkareshwar Floating Solar Park (MP) (Subsidiary – NHDC)	88	205.00	2024-25	579.47	3.22	Omkareshwar (Madhya Pradesh)
4	Ground Mounted Solar Power Project in Central University of Rajasthan, Ajmer	0.7	1.53	2024-25	4.43	4.45	Ajmer (Rajasthan)
<b>Total-B</b>		<b>161.70</b>	<b>369.76</b>		<b>939.89</b>		
<b>Sub Total Subsidiary (A+B)</b>		<b>1681.70</b>	<b>2529.48</b>		<b>9653.21</b>		
<b>Grand Total (Standalone+ Subsidiary)</b>		<b>7232.90</b>	<b>27331.37</b>				



Thank  
You

