



INVESTOR PRESENTATION FINANCIAL YEAR 23-24 : JUNE 2023



Presentation Outline

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NHPC Today

Financial Highlights

Financial Ratios

Renewable Energy & New Initiatives

Projects At Glance



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



Subansiri Lower Project



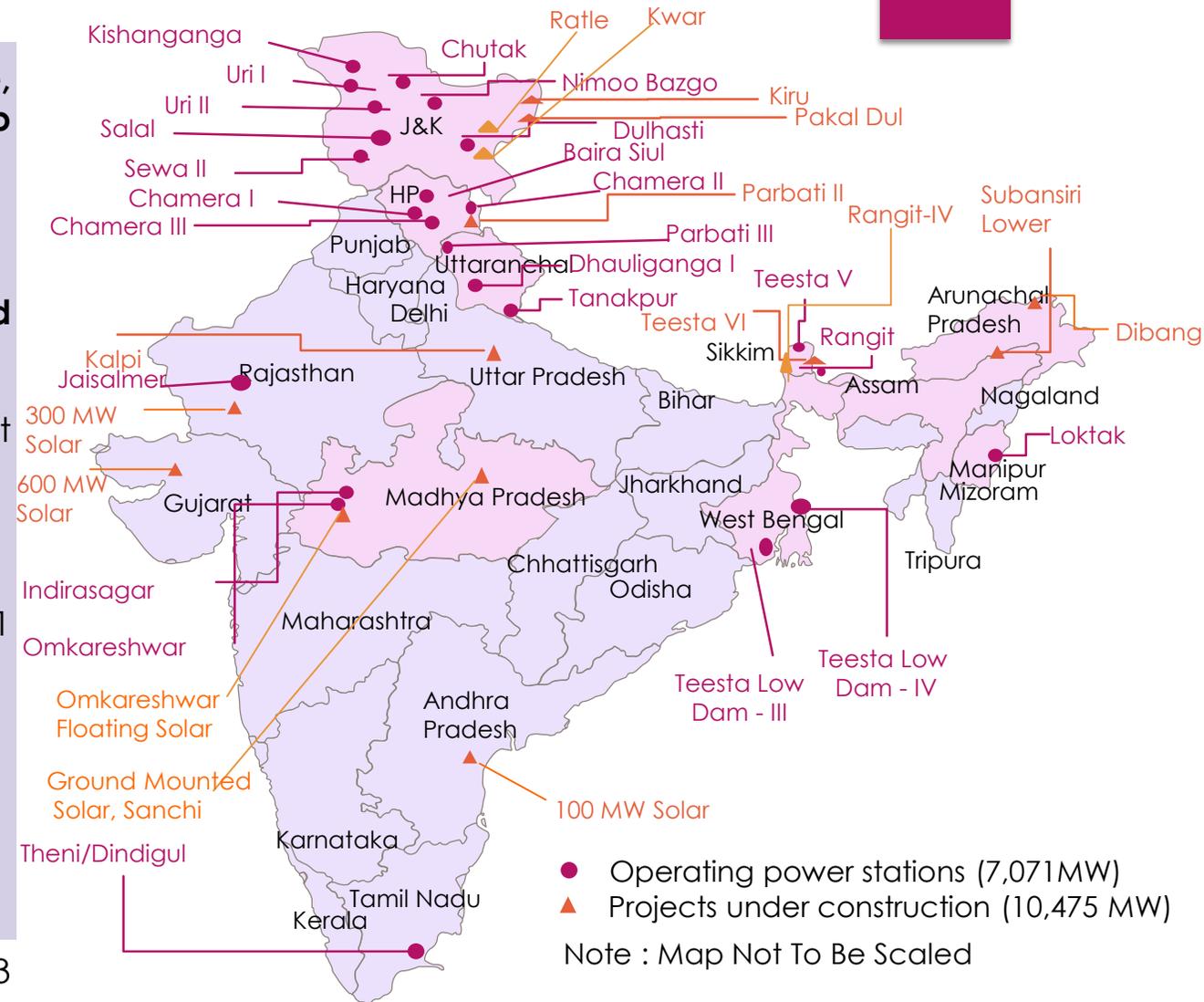
Teesta V, Sikkim

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)
- Mini-Ratna Category-I PSU (since Apr-08)
- 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 46,850 MW*).
- Consultancy business.
- Power trading business.
- Exposure to international business opportunities.

* Source-CEA as on 30.06.2023



7071 MW installed capacity (6971 MW Hydro & 100 MW Renewable Energy) through 24 power stations

PHYSICAL SNAPSHOT

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Installed Capacity

- ❖ Power Stations under Operation-22 Nos. (5551 MW*)
- ❖ Power Stations with Subsidiary (NHDC) - Nos. (1520 MW)
- ❖ Total Operational Projects – 24 Nos. (7071 MW)

Under Construction

- ❖ Projects Under Construction (including Subsidiary & JV) :-
 - Hydro & Solar - 15 Nos. (10475 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. (4690 MW)

Hydro Power is 11% (46850 MW) of All India Installed Capacity (421902 MW**).

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

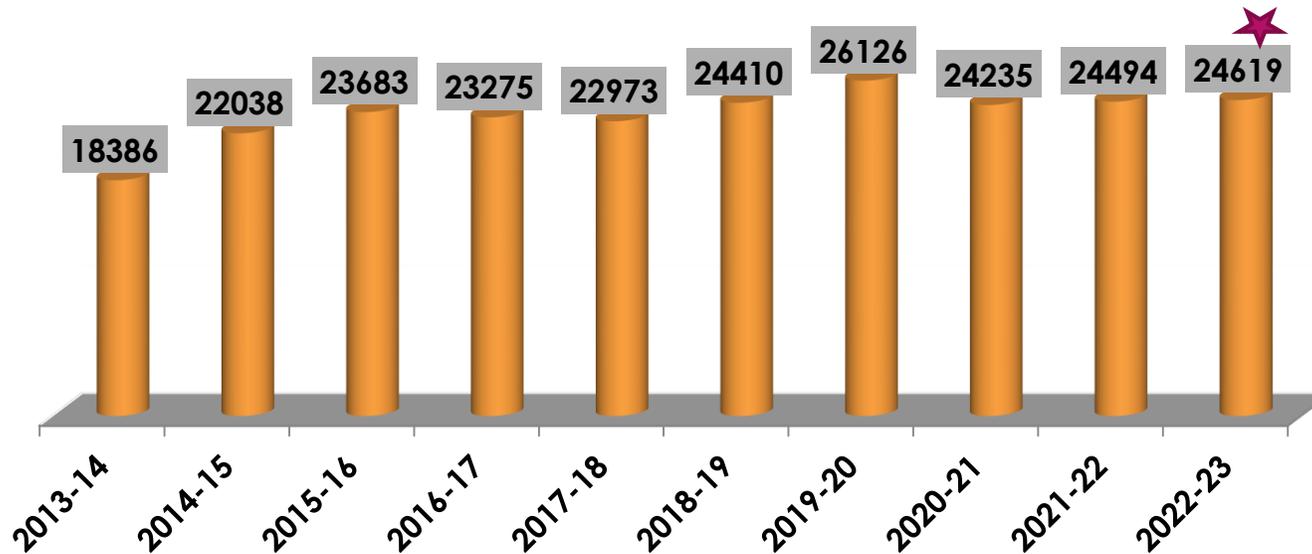
Status	Capacity (MW)
Operational Projects	7,071
Projects Under Construction (including Subsidiary & JV)	10,475
Projects Under Clearance:	
Stand alone	3,116
Subsidiaries	996
Projects Under Survey & Investigation	4690
Total	26,348

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

** Source-CEA as on 30.06.2023

NHPC 's Track Record – A Ten Year Digest

Standalone Generation (in M.U.)



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Actual Q1 FY'24

Actual Q1 FY'23

• Country Generation
436 BU

• Country Generation
432 BU

• Share of Hydro Power
34 BU (8%)

• Share of Hydro Power
38 BU (9%)

• Share of NHPC (Hydro) Standalone
7737 MU (23%)

• Share of NHPC (Hydro) Standalone
8010 MU (21%)

★ Hydro: 24452 MU(excl. infirm power of 288 MUs : Parbati II), Wind: 77 MU & Solar: 90 MU.

Financial Highlights



Sewa II, UT of J&K



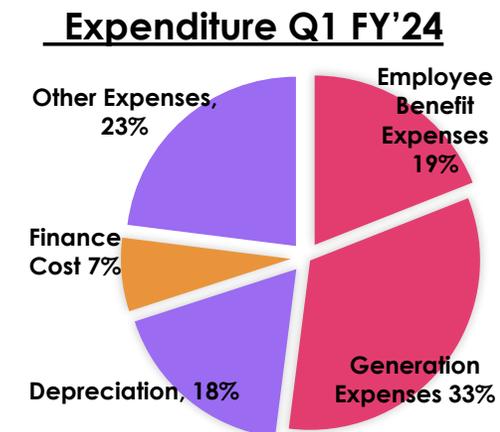
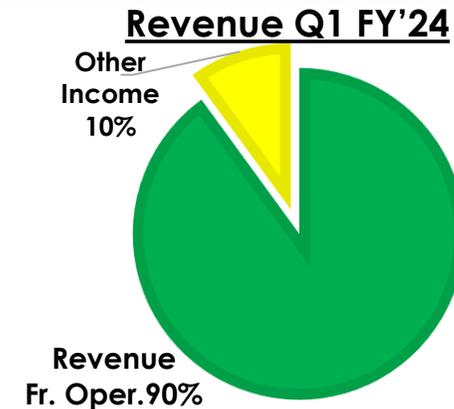
Chamera I, Himachal

Clean Power For Every Home

Financial Highlights : Standalone

Particulars	FY'24	FY'23	% Change
	Qtr-1	Qtr-1	Qtr-1
Revenue from Operation	2570.96	2490.50	3.23
Other Income	278.99	216.45	28.89
Total Income (A)	2849.95	2706.95	5.28
Generation Expenses	517.61	270.10	91.64
Employee Benefits Expense	297.36	306.57	-3.00
Finance Cost	114.51	136.66	-16.21
Depre. & Amort. Expense	275.73	287.35	-4.04
Other Expenses	370.20	506.92	-26.97
Total Expenditure(B)	1575.41	1507.60	4.50
PBT(Before RRA)(C=A-B)	1274.54	1199.35	6.27
Rate Regu. Income (D)	21.90	27.86	-21.39
PBT (After RRA) (E=C+D)	1296.44	1227.21	5.64
Tax (F)	243.50	177.63	37.08
Profit After Tax (G=E-F)	1052.94	1049.58	0.32

Revenue & Expenditure-Analysis



Revenue Vs. Net Profit Vs. Dividend



★ Interim Dividend – 14.00% & Final Dividend 4.50%.

Statement of Assets & Liabilities

Rs. In Crore

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Equity and Liabilities	Q1 FY'24	FY'23
Share Holder's Funds	36485.31	35407.96
Loan Funds-Long Term	24698.93	25266.39
Deferred Tax Liabilities	1949.37	1937.34
Other Long term Liabilities & Provisions	4383.94	4138.55
Current Liabilities & Provisions	8156.48	7041.68
Regulatory Deferral Account Credit Balances	923.20	923.20
Total Equity & Liabilities	76597.23	74715.12
Assets		
PPE (incl. investment property)	17164.17	17439.52
Capital Work in Progress	26492.88	25315.01
Right of Use Assets	2620.30	2625.70
Intangible Asset	2.62	3.08
Non Current Financial Asset	11434.94	11583.30
Non Current Assets (Others)	3557.86	3633.04
Regulatory Asset	6442.02	6420.12
Trade Receivables	6517.85	5487.59
Cash and Bank Balances	500.60	638.22
Current Assets (Others)	1863.99	1569.54
Total Assets	76597.23	74715.12

Debtors Position

Rs. In Crore



Total Debtors (in Crs.)

S. N.	Particulars	As on 30.06.2023	As on 31.03.2023	As on 31.12.2022	As on 30.09.2022	As on 30.06.2022
1	Trade Receivables	6736 (including unbilled debtors of Rs. 3059 Crs.)	5887 (including unbilled debtors of Rs. 2757 Crs.)	5819 (including unbilled debtors of Rs. 2717 Crs.)	5854 (including unbilled debtors of Rs. 2751 Crs.)	5488 (including unbilled debtors of Rs. 2139 Crs.)
2	More than 45 days*	335	168	229	113	1326

Top Five Debtors* (in Crs.)

Name	30.06.2023		31.03.2023	
	Total	More than 45 days	Total	More than 45 days
PDD, J&K (Incl. JKPCCL)	1906	91	1855	5
UPPCL, UP	1707	0	1543	0
PSPCL, Punjab	609	60	471	23
WBSEDCL	409	0	412	0
Haryana	354	0	255	0

* Net of Provision

Incentives Position

Comparative Incentive YoY (in Crs.)

Sl.	Particulars	FY23-24					FY22-23					
		Q-1	Q-2	Q-3	Q-4	Total	Q-1	Q-2	Q-3	Q-4	Total	
1	Secondary Energy	0.00				0.00	0.00	0.00	13.61	109.65	123.26	
2	Incentives	0.00				0.00	171.44	181.22	92.15	(39.65)	405.16	
3	Deviation Chrgs.	11.51				11.51	72.14	47.25	29.20	(2.09)	146.50	
	G. Total	11.51				11.51	243.58	228.47	134.96	67.91	674.92	
4	PAF	94.13%					94.13%	98.57%	99.87%	88.25%	67.96%	88.75%

Supplements

Power Station With Highest PAF : Salal (PAF : 105.49%, NAPAF : 64%)

Power Station with highest Deviation Charges: Dulhastil (Rs. 2 Cr.)

Power Station Giving Best Generation : Chamera-I (48% of the annual design energy)

Supplements

Power Station with Highest PBT- Dulhasti (Rs. 192 Crs)

NHPC Profit per MW: Rs. 19 lakhs (Q1 FY'24), Rs. 19 lakhs (Q1 FY'23)

NHPC Profit per Employee: Rs. 22 lakhs (Q1 FY'24), Rs. 21 lakhs (Q1 FY'23)

Key Financials : Q1 FY'24

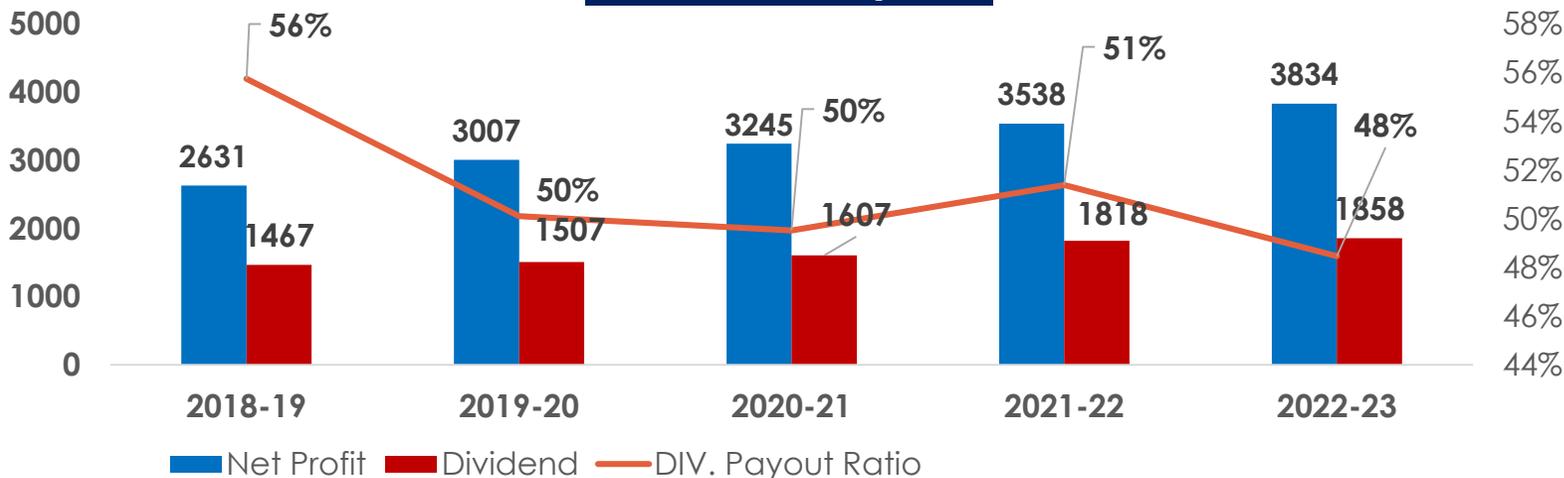
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Rs. In
Crore

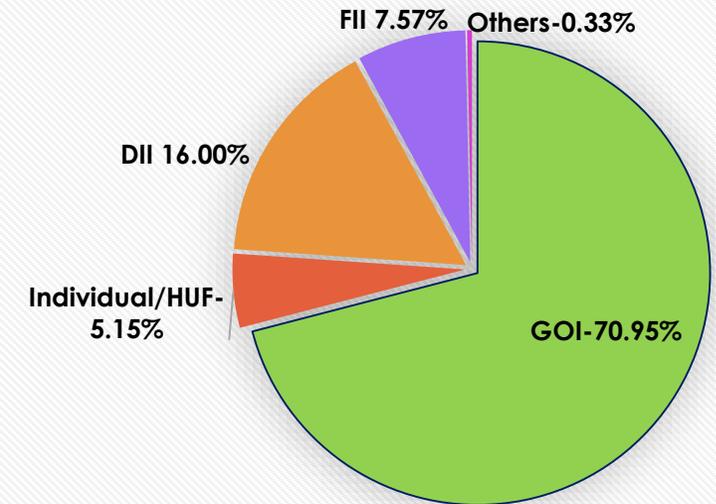
P&L	Standalone
Total Income	2850
EBITDA	1665
EBITDA Margin	58%
PAT	1053
Profit Margin	37%
Dividend Pay Out (FY'23)	Rs. 1.85 Per Share/ 48% of Profit

Balance Sheet	Standalone
Share Capital	10045
Net worth	36485
Long Term Debt	24699
Cash & Bank Bal.	501
Gross Block	40112
CWIP	26493

Dividend Pay out



Shareholding pattern as on 30.06.2023



NHPC – Key Ratios

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S. No.	Particulars	Q1 FY'24		FY'23	
		Standalone	Consolidated	Standalone	Consolidated
1.	PAT (Rs. in Cr.)	1052.94	1036.86	3833.79	3889.98
2.	Net-worth (Rs. in Cr.)	36485.31	37961.74	35407.96	36899.34
3.	No. of Equity Shares (In Cr.)	1004.50	1004.50	1004.50	1004.50
4.	EPS (Rs.)	1.05*	1.03*	3.82	3.87
5.	Earning Yield(%)**	2.11*	2.07*	9.50	9.63
6.	Dividend Per Share (Rs.)			1.85#	
7.	Dividend Yield(%)**			4.60	
8.	Book Value per share (Rs.)	36.32	37.79	35.25	36.73
9.	PB Ratio**	1.37	1.32	1.14	1.09
10.	PE Ratio**	11.84	12.07	10.52	10.39
11.	Return On Net worth (%)	2.89*	2.73*	10.83	10.54
12.	Market Capitalisation (Rs. in Cr.)**	49944		40381	
13.	Debt Equity Ratio	0.83	0.83	0.85	0.86

*Not annualised. **Stock Price (BSE): as on 10.08.2023 Rs. 49.72 & as on 31.03.2023 Rs. 40.20.

including final dividend @ Rs. 0.45 per equity share recommended by BODs of the company and subject to approval of shareholders in the AGM.

Shareholding Pattern : 51:49 (NHPC : GoMP)

Installed Capacity : 1520 MW

Design Energy : 2159.72 MUs

Generation : 5444 MUs (FY'23), 2645 MUs (FY'22)

PAF : 97.42% (FY'23), 92.74% (FY'22)

Revenue from operations : Rs. 1318 Crs. (FY'23), 858 Crs. (FY'22)

PAT : 774 Crs. (FY'23), 513 Crs. (FY'22)

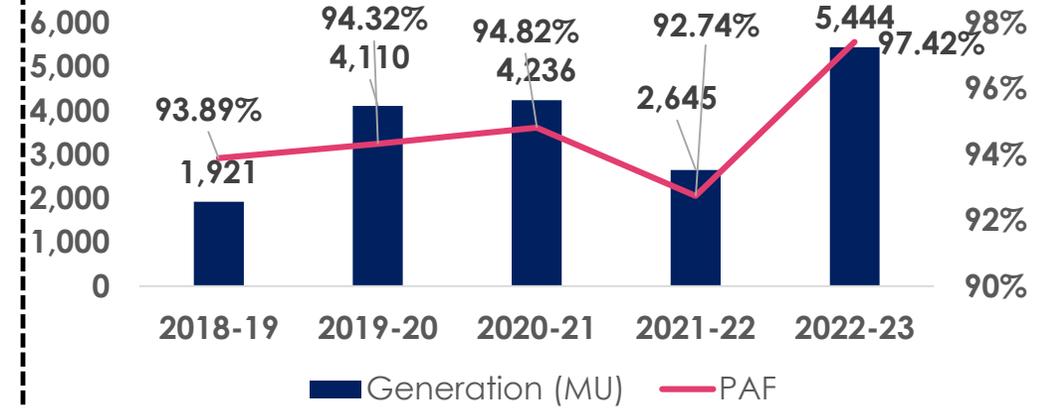
PAF Incentive : Rs. 46 Crs. (FY'23), Rs. 23 Crs. (FY'22)

Secondary Energy : Rs. 386 Crs. (FY'23), 56 Crs. (FY'22)

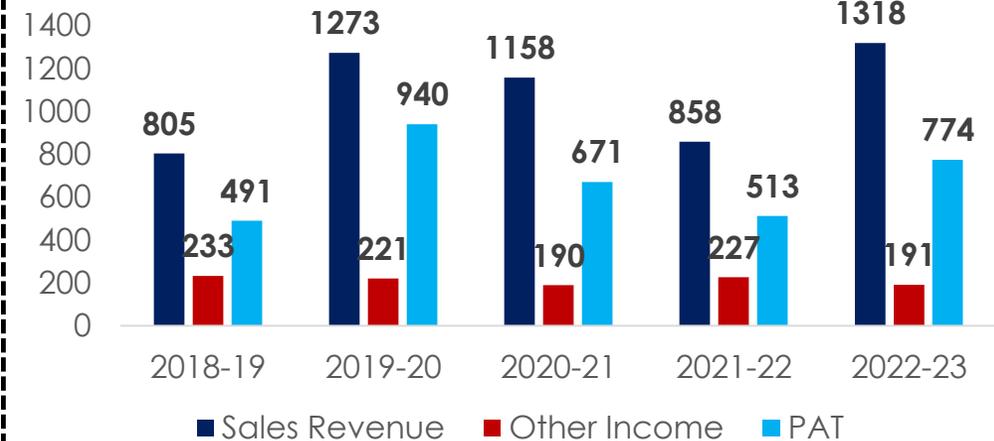
Deviation Charges: Rs. 18 Crs. (FY'23), 7 Crs. (FY'22)

Regulated Equity: Rs. 2022 Crs. (FY 2022-23)

Physical Performance



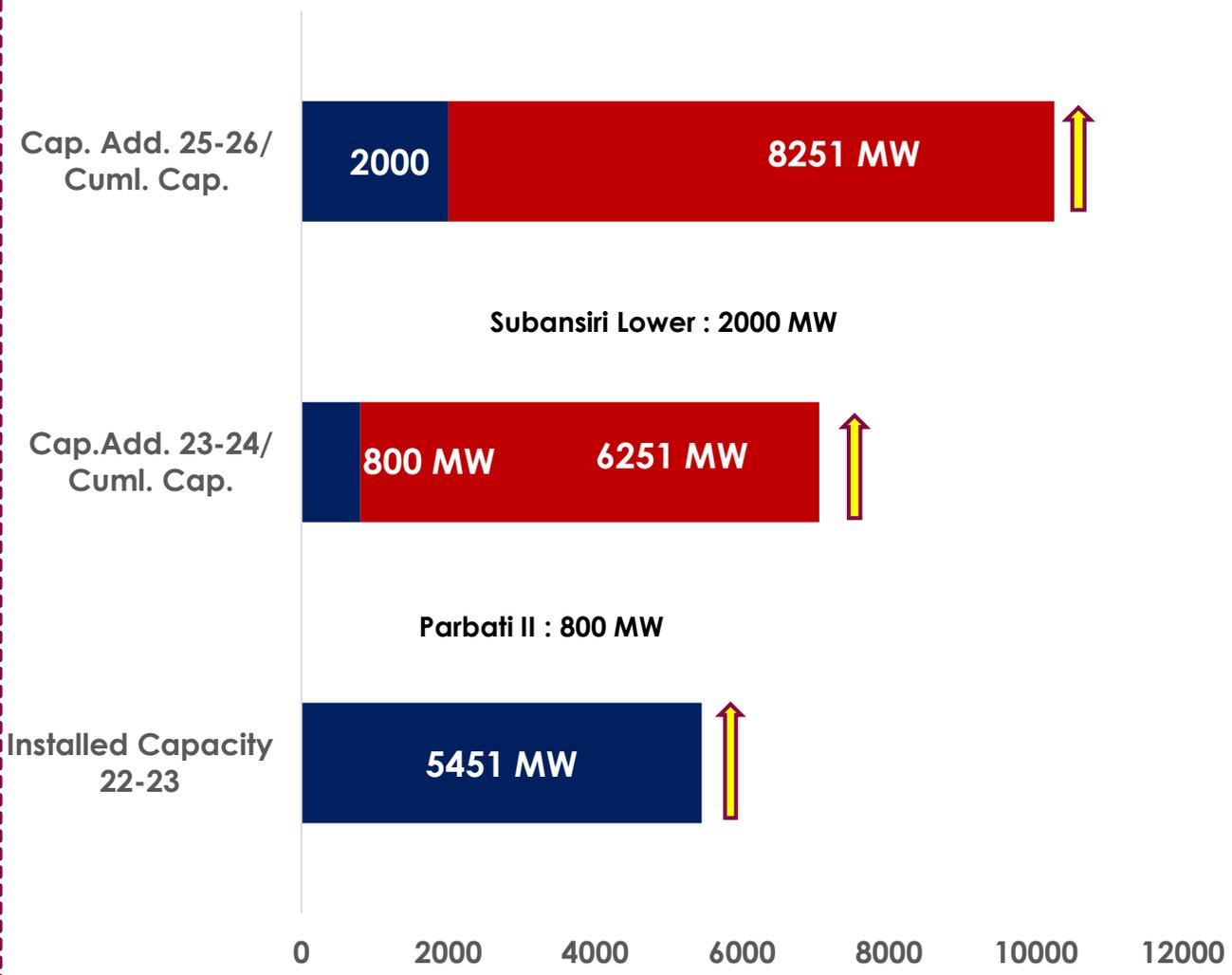
Financial Performance



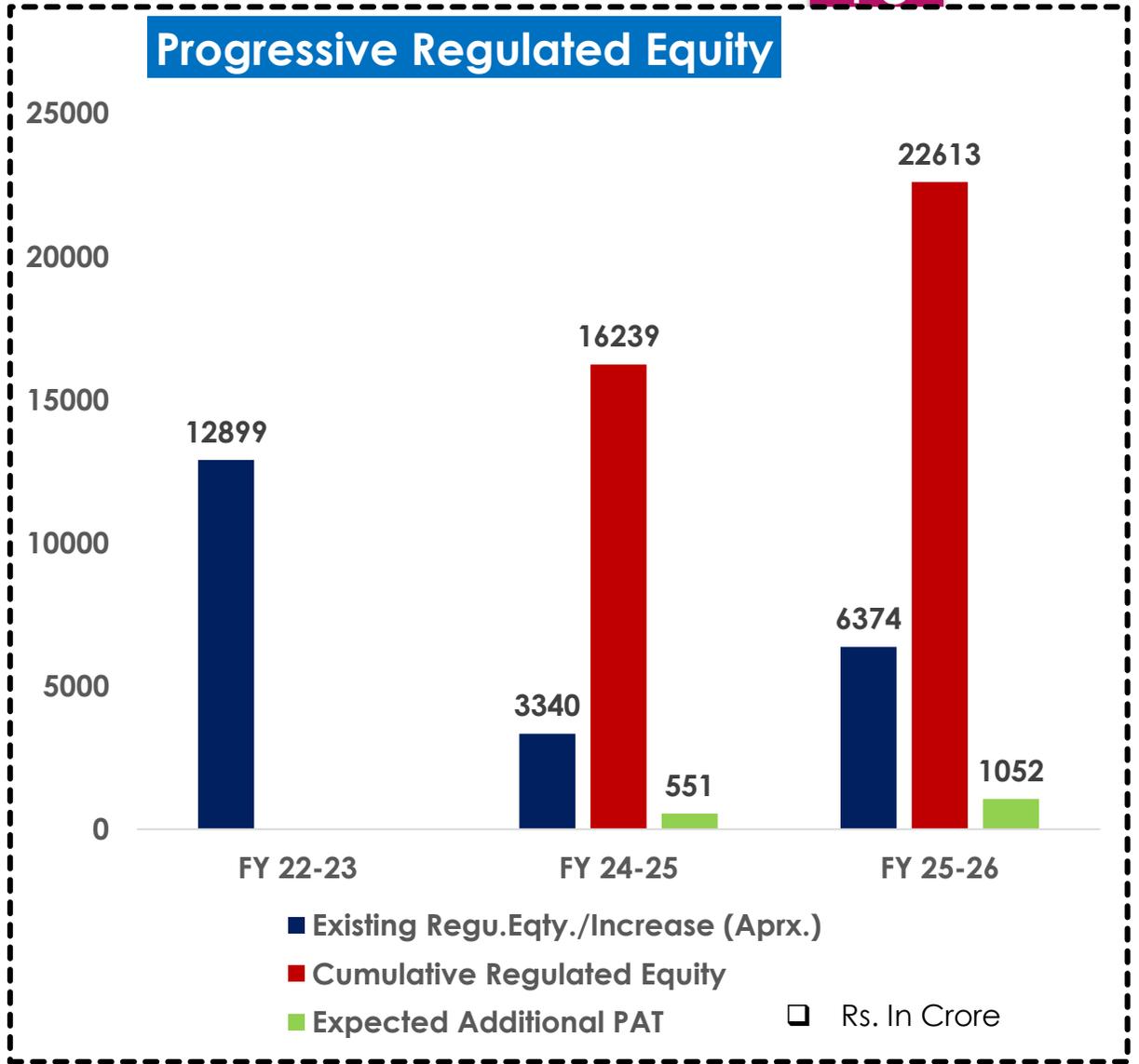
Particulars	FY'24	FY'23		% Change
	Qtr-1	Qtr-1	Full Year	Qtr-1
Actual Generation (in MU)	459	473	5444	-2.96
Actual PAF (in %)	87.04	81.92	97.42	6.25
Revenue from Operations	200.10	197.76	1318.41	1.18
Total Income	251.76	242.40	1509.35	3.86
Profit After Tax (PAT)	112.75	111.55	774.43	1.08
PAF Based Incentive	-	0.31	45.99	(100)
Secondary Energy	-	-	386.37	-
Deviation Chargs.	2.82	3.09	18.18	(8.74)

NHPC – Capacity Addition & Regulated Equity (Hydro)

Progressive Capacity Addition



Progressive Regulated Equity



Power Station with highest generation during Q1 FY'24 : Salal (1156 MU, Annual D.E-3082 MU)



F.Y	Amount (Rs. In Crore)	Remarks
2015-16	2793	(Actual)
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	10857	(Consolidated Target)



- ❖ Government of Arunachal Pradesh has conveyed its approval on 21.07.2023 for allotment of two projects i.e. 2000 MW Subansiri Upper Hydroelectric Project and 1800 MW Kamala Hydroelectric Project to NHPC. MoA with the Govt. of Arunachal Pradesh has been signed on 12.08.2023.
- ❖ An MoU has been signed on 01.06.2023 with Vidhyut Utpadan Company Limited, Nepal for development of Phukot Karnali Hydro Electric Project 480 MW in Nepal.
- ❖ An MOU has been signed between NHPC and Govt. of Odisha through GRIDCO Limited on 23.06.2023 for “Development of Pumped Storage Projects and Renewable Energy in the State of Odisha”.
- ❖ An MOU has been signed with Department of Energy, Govt of Maharashtra on 06.06.2023 for the development of Pumped Storage Schemes and other Renewable Energy Source Projects in the State of Maharashtra.
- ❖ NHPC has signed an MOU with Kerala State Electricity Board on 16.06.2023 to set up a “Design Clinic” for vetting of design of KSEB Projects as part of its Consultancy Services initiatives.
- ❖ NHPC has received a Letter of Intent dated 16.05.2023 from Gujarat Urja Vikas Nigam Limited (GUVNL) for 200 MW capacity Solar Power Project within 600 MW GSECL's Solar Park at Khavda (GSECL Stage-1). The estimated financial implication for the said Solar Power Project would be approx. Rs.1,000 Crore.

Renewable Energy & New Initiatives

- Solar Energy
- Pumped Storage Schemes



Clean Power For EVERY HOME

A (i) Standalone (Ownership Based)

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(a) Under Construction

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	2024-25	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	2.45	PUA 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	2.45	Power Usage Agreement signed with WB Discom for 100 MW Project on 23.11.2022.
Total-(a)		1000	6604.40			

A (i) Standalone (Ownership Based)

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(b) 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	Development of 75 MW capacity ISTS connected Solar Power Project anywhere in India for sale of power through Power Exchange	75	430.00	2024-25	2.82	NA
2	Floating Solar Kerala (50MW), West Kallada	50	326.00	2024-25	3.82	PPA under exploration
3	200 MW Grid Connected Solar photovoltaic Power Projects located in 600 MW Solar Park at Khavda, Gujarat	200	1100.00	2024-25	2.73	PPA signed with GUVNL on 10.08.2023
Total-(b)		325	1856.00			
Sub Total Standalone (Ownership Based) -A(i): (a+b)		1325	8460.40			

A (ii) Standalone (As Intermediary Procurer)

(a) Under Construction

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	2024-25 (Out of 2000 MW, 320 MW capacity was awarded to M/s Avaada Sunrays Energy Pvt. Limited which has been commissioned on 10.12.2022. Further, Balance capacity of 1680 MW is expected to be commissioned by 2024-25)	2.55 (1680MW) 2.56 (320 MW)	PPA and PSA signed. Tariff adopted by CERC
	Total-(a)	2000	0.00			

A (ii) Standalone (As Intermediary Procurer)

(b) 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	Bidding Trajectory for 10 GW Renewable Energy Tenders	3000	0.00	18 months from PPA signing date		PPA under exploration
	Total-(b)	3000	0.00			
Sub Total Standalone (As Intermediary Procurer)- A(ii) (a+b):		5000	0.00			
Grand Total-A:[A(i)+A (ii)]		6325	8460.40			

B. Subsidiary/JV Mode

(a) Under Construction

S.No	Name of Project	Capacity (MW)	Estimated Capital cost (in Crs.)	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Solar Power Project, Kalpi (UP) (Subsidiary-BSUL)	65	312.00	2023-24 (Partial Commissioning of 26 MW achieved on 09.07.2022)	2.68	Power Purchase Agreement has been executed between BSUL and UPPCL on 28.04.2022.
2	Omkareshwar Floating Solar Park (MP) (Subsidiary – NHDC)	88	589.16	2023-24	3.22	Power Purchase Agreement has been Signed between MPPMCL, RUMSL & NHDC Ltd on 04.08.2022.
3	Ground Mounted Solar PV Pant at Sanchi (M.P.) (Subsidiary – NHDC)	8	51.90	2023-24	3.22	Power Purchase Agreement has been Signed between MPPMCL and NHDC Ltd on 26.12.2022.
Total- (a)		161	953.06			

B. Subsidiary/JV Mode

(b) 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	300 MW Floating Solar Project at Rengali Reservoir, Odisha	300	1900.00	2025-26	4.09	PPA under exploration
Total-(b)		300	1900.00			

(c) 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	2024-25	To be discovered	To be explored subsequently
Total- (c)		1200	840.00			
Grand Total-B:(a+b+c)		1661	3693.06			

(1) Maharashtra

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Kengadi	1550	<ul style="list-style-type: none"> ➤ MoU for the development of Pumped Storage Projects along with RE sources in the state of Maharashtra has been signed with Department of Energy, Govt. of Maharashtra on 06.06.2023 . ➤ Preparation of PFR is under Process, likely to be prepared by Dec 2023.
2	Jalond	2400	
3	Savitri	2250	
4	Kalu	1150	
Total		7350	

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

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Kamalapadu	950	<ul style="list-style-type: none"> ➤ NHPC and Department of Energy, Govt. of Andhra Pradesh signed an MoU on 04.03.2023 for investment for development of 2000 MW of Pumped Storage Projects in the State in JV mode. ➤ In line with above MoU, NHPC and APGENCO, Andhra Pradesh is in advanced stage of discussions towards these two PSPs.
2	Yaganti	1000	
Total		1950	

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Indrasagar-Omkareswar	525	<ul style="list-style-type: none">➤ Govt of M.P. vide letter dated 07.06.2023 allotted the PSP site for implementation.➤ 1st consultation meeting for preparation of DPR was held on 28.06.2023
2	Tekwa-2	800	<ul style="list-style-type: none">➤ PFR has been prepared and submitted by NHPC to Govt of MP and CEA.➤ 1st consultation meeting for preparation of DPR was held on 28.06.2023
3	Satpura-2	1500	<ul style="list-style-type: none">➤ PFR has been prepared by NHPC.➤ A meeting on 03.03.2023 with Principal Secretary (Energy), GoMP wherein NHPC requested for allotment of said project .
	Total	2800	

Pump Storage Project Scheme

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(4) Odisha

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	Self Identification	2000	<ul style="list-style-type: none"> ➤ 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. ➤ 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.
Total		2000	

(5) Gujarat

S.No	Name/Place of PSP	Installed Capacity (MW)	Present Status
1	07 nos. identified pumped storage schemes in Gujarat	4000	<ul style="list-style-type: none"> ➤ NHPC is under discussion with Government of Gujarat for development of 07 nos. Pumped Storage Projects aggregating to 4000 MW. In this regard NHPC has prepared evaluation report and submitted to Govt. of Gujarat on 31.05.2023. ➤ An draft MOU is proposed to be signed between NHPC and Govt. of Gujarat for development of PSPs in the State of Gujarat has been submitted by NHPC for consideration and acceptance.
Total		4000	

NHPC Projects At A Glance



NHPC-Energising India With Hydropower

NHPC – Projects in Operation

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S. No	NHPC Project & State/UT	Installed Capacity (MW)	Design Energy (MU)	Year of comm.	Capital Cost as on 31.03.23	Tariff (22-23) (Rs. /Kwh)	Type of the project
1	Baira Siul, (3x60) Himachal Pradesh	180	708.59	1981 (Sep)	311.89	2.23*	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)	1046.78	2.64	ROR
4	Tanakpur, (3x40) Uttarakhand	94	452.19	1992 (Apr)	430.34	5.38	ROR
5	Chamera-I, (3x180) Himachal Pradesh	540	1664.55	1994 (Apr)	2107.30	2.28	Storage
6	Uri-I, (4x120) UT of J&K	480	2587.38	1997 (Apr)	3459.33	2.37	ROR
7	Rangit, (3x20) Sikkim	60	338.61	2000 (Feb)	520.42	4.27	ROR with small pondage
8	Chamera-II, (3x100) Himachal Pradesh	300	1499.89	2004 (Feb)	2027.62	2.01*	ROR with small pondage
9	Dhauliganga-I, (4x70) Uttarakhand	280	1134.69	2005 (Oct)	1764.61	2.70	ROR with small pondage.
10	Dulhasti, (3x130) UT of J&K	390	1907.00	2007 (Mar)	5232.07	5.15	ROR with small pondage

NHPC – Projects in Operation... contd.

S.No.	NHPC Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.23	Tariff (22-23) (Rs. /Kwh)	Type of the project
11	Teesta-V, (3x170) Sikkim	510	2572.70	2008 (Mar)	2848.52	2.84*	ROR with small pondage
12	Sewa-II, (3x40) UT of J&K	120	533.53	2010 (Jun)	1155.29	5.48*	ROR with small pondage
13	Chamera-III , (3x77) Himachal Pradesh	231	1108.17	2012 (Jun)	2146.85	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)	1942.69	5.57	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)	2362.43	5.12*	ROR
18	Parbati-III, (4x130) Himachal Pradesh	520	1963.29	2014 (May)	2726.61	3.08*	ROR with small pondage
19	TLDP IV, (4x40) West Bengal	160	717.72	2016 (Aug)	1822.27	4.35	ROR with small pondage
20	Kishanganga, (3x110) UT of J&K	330	1712.96	2018 (Mar)	5711.55	4.10*	ROR with Pondage
	Total-A	5451	24601.37		39816.85	4.11	* Tariff Notification for 2019-24 yet to be issued by CERC.

Renewable Energy

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S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2023	Tariff 22-23 (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
	Total-B	100	200.21		620.99		
Sub Total Stand-alone(A+B)		5551	24801.58		40437.84	4.14	

Operational Projects with Subsidiary

S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2023	Tariff 22-23 (Rs./Kwh)	Type of the project
1	Indrasagar, (8x125) Madhya Pradesh	1000	1423.26	2005	5326.43	3.80	Storage
2	Omkareshwar, (8x65) Madhya Pradesh	520	736.46	2007	3138.08	4.62	Storage
	Total-C	1520	2159.72		8464.51	4.08	
Grand Total-D:(A+B+C)		7071	26961.30				

NHPC: Projects Under Construction

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Project Under Construction-Standalone

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 –June'23 (Rs. Crore)	Expected Commissioning Schedule
Subansiri Lower, (8X250) Assam/ Ar. Pradesh	2000	7422	Run of River with small pondage	6285.33 (Dec'02)	21247.54 (completion level))	18729.43	FY 25-26 (Q-1) (Full commissioning) [Commissioning of 2 units is expected in Q4 FY'24 and remaining 6 units are expected to be commissioned one by one by May'25]
Parbati II, (4X200) Himachal Pradesh	800	3124	Run of River with small pondage	3919.59 (Dec'01)	11134.54 (July'22)	10737.09	FY 23-24 (Q-4)
Dibang, (12X240) Arunachal Pradesh	2880	11223	Hydropower cum flood moderation scheme	31876.39 (May'21)	31876.39 (May'21)	2171.88	FY 31-32 (Q-4)
Total (A)	5680	21769		42081.31	64258.47	31638.40	

NHPC: Projects Under Construction

Project Under Construction-Subsidiary

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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 – June'23 (Rs. Crore)	Expected Commissioning Schedule
Pakal Dul, (4X250) UT of J&K	1000	3230	Run of River	8112.12 (Mar'13)	8112.12 (Mar'13)	3128.19	FY 26-27 (Q-2)
Kiru, (4X156) UT of J&K	624	2272	Run of River	4287.59 (July'18)	4287.59 (July'18)	1119.04	FY 25-26 (Q-4)
Kwar, (4x135) UT of J&K	540	1975	Run of River	4526.12 (Sept.20)	4526.12 (Sept.20)	424.42	FY 26-27 (Q-3)
Teesta-VI, (4X125) Sikkim	500	2400	Run of River	5748.04 (July'18)	5748.04 (July'18)	2541.05	FY 26-27 (Q-2)
Rangit-IV, (3X40) Sikkim	120	508	Run of River with small pondage	938.29 (Oct'19)	938.29 (Oct'19)	623.30	FY 24-25 (Q-2)
Ratle, (4X205+30) UT of J&K	850	3137	Run of River	5281.94 (Nov'18)	5281.94 (Nov'18)	315.69	FY 26-27 (Q-1)
Total (B)	3634	13522		28894.10	28894.10	8151.69	
Total (A+B)	9314	35291		70975.41	93152.57	39790.09	

NHPC Standalone Projects Under Clearance

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"> All statutory clearances have been received except forest clearance (stage-II). Approval for pre-investment activities received on 03.05.2016. Compliance to FRA, 2006 is in progress. PIB memo incorporating comments of appraising departments submitted to MoP on 08.04.2022. Hon'ble Minister of Power and Minister of New & Renewable Energy, Govt of India vide DO letter dt 09.05.2022 requested Chief Minister of Sikkim for expeditiously resolving the pending issue of FRA compliance & private land acquisition. Gram Sabha meeting for Lum-Gor-Sangtok GPU was held on 08.10.2022. Final outcome report is awaited from District administration. Hon'ble Chief Minister, Sikkim held a meeting on 28.10.2022 along with Chief Secretary, Addl. PCCF from State Govt. with CMD, NHPC & other senior officers, in connection with implementation of Teesta-IV HE Project in Sikkim. Hon'ble Chief Minister assured all support from Govt. of Sikkim for early implementation of the Project. CMD, NHPC vide DO letter dated 22.12.2022 has appraised the Secretary, Ministry of Power about the issues related to the project. The period for publication of declaration for acquisition of land for Teesta-IV was extended for further additional 12 months with effect from 31.12.2022 vide Govt. of Sikkim Notification dated 06.12.2022 in order to complete the process of Section-19. A meeting was chaired by the Hon'ble Minister of Power and New & Renewable Energy on 16.2.2023 wherein pending issues for obtaining FC-II were discussed. MoM issued by MoP on 22.03.2023. ATR on minutes submitted to MoP on 17.04.2023, 02.06.2023 & 07.07.2023. District Collector (Mangan) convened a meeting on 10.07.2023 to discuss the efforts to be made to resolve the pending issues of private land acquisition and compliance under FRA, 2006. ADC (Mangan), SDM (Mangan), SDM (Dzongu), SDM (Kabi) and officials from District Land Revenue Department & Teesta-IV Project participated in the meeting. 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 & departmental land. Defence Clearance: Fresh Proposal for Defence clearance uploaded on portal of MoD on 10.05.2023. MoD vide OM dated 14.07.2023 has directed concerned ministries to submit revised proposal in terms of new guidelines dated 08.05.2023. The same was forwarded by MoP on 24.07.2023. Annexures for Defence Clearance as per revised formats are being prepared.

NHPC Standalone Projects Under Clearance

S. No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
2	Dugar (4 x103 + 2x44) Himachal Pradesh	500	1760	4250 (Apr'2021)	<p>MoU/Agreement:</p> <ul style="list-style-type: none"> MOU signed on 25.09.2019 at Shimla. NHPC signed Implementation Agreement with Govt. of Himachal Pradesh on dated 26.08.2022. <p>Status of clearances:</p> <ul style="list-style-type: none"> Defence Clearance issued by MOD on 18.11.2020. 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. IWT clearance accorded on 01.05.2023. <p>Environment Clearance:</p> <p>EAC vide MoM dated 06.09.22 recommended project for accord of Environment Clearance subject to submission of FC-1 by the Developer.</p> <p>Forest Clearance:</p> <ul style="list-style-type: none"> Forest proposal forwarded by State Govt to MoEF&CC. As desired by MoEF&CC, Inspector General of Forest (MoEF&CC) Integrated Regional Office, Shimla carried out the site inspection and submitted the report on 05.06.2023. With regard to forest proposal, NHPC has uploaded its reply on Parivesh Portal on 07.07.2023 and submitted to DFO, Pangji for further n/a. DFO, Pangji has forwarded the reply to CCF, Chamba on 25.07.2023. <p>Investment Approval:</p> <ul style="list-style-type: none"> NHPC submitted the revised draft PIB note on 13.05.2023 & 19.05.2023. The same was returned with the suggestion to get update the cost of completion. On the request of NHPC, CEA vide letter dated 19.06.2023 advised that since the project is concurred with Completion Level cost, there is no further need to revise the cost of the project again. A VC meeting under the chairmanship of Joint Secretary (Hydro) held on 30.06.2023 to discuss the various issues associated with implementation of Dugar HE Project. MoP issued the minutes on 10.07.2023. In the meeting, JS (H) directed that "Cost estimate may be updated considering 01.04.2024 as zero date, in line with the PIB stipulation". CEA has been requested on 18.07.2023 to clarify the matter regarding vetting of updated cost. The advise of CEA is awaited.

NHPC Standalone Projects Under Clearance

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"> MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021. The project shall be executed by NHPC on BOOT basis for the period of 40 years. Agreement for handing over / taking over signed between NHPC and JKSPDC on 11.12.2021 & NHPC has taken over the Project. 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. Process for obtaining forest clearance has been initiated. 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. Gram Sabha meetings have been conducted for all 30 villages for FRA compliance. All Gram sabha resolutions have been submitted by Gram Panchayats (GPs) to the respective DCs. NOCs under FRA for GPs in Udhampur, Reasi and Ramban Districts were issued by respective DCs on 28.11.2022, 05.12.2022 and 24.02.2023 respectively under FRA, 2006. Proposal of CA (Compensatory Afforestation) Land by DFO, Udampur Forest Division, DFO, Batote Forest Division and DFO, Ramban Forest Division has been forwarded by CCF to PCCF, Govt. of J&K, for approval.
4	Uri-I Stage-II (2x120) UT of J&K	240	932.6	2526.79 (Completion)	<ul style="list-style-type: none"> MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021. The project shall be executed by NHPC on BOOT basis for the period of 40 years. MOEF&CC vide letter dated 10.06.2021 has conveyed the approval to the TOR. EIA/ EMP studies is in progress. Process for obtaining forest clearance is in progress. 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.
Total		3116	12939.6	35594.59	

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"> •MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021. •The project shall be executed by M/s CVPPPL on the same terms and conditions of that of Pakaldul, Kiru & Kwar H E Projects. •The Appraisal has been transferred in the name of CVPPPL by CEA on 29.12.2021. •Defence Clearance was accorded by MoD on 24.03.2022. •Extension of validity of appraisal up to 13.06.2024 was accorded by CEA on 29.08.2022. Balance investigation works are in progress in compliance to DPR concurrence. •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. •Application for FC on Parivesh Portal of MOEF&CC submitted successfully on dated 19.10.2022

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"> ▪ All statutory clearances of project except CCEA are available. ▪ PPA signed between Govt. of Manipur and LDHCL on 31.08.2020. ▪ PIB Memo meeting held on 14.07.2021. As per PIB minutes, Cost (at completion) of Project without & 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 & Tariff calculations furnished to MoP vide letter dated 16.08.2021 for further direction & necessary action. ▪ NHPC shared the above information with Govt of Manipur as per direction of PIB vide letter dtd 19.08.2021. ▪ Additional Secretary, MoP & Secretary (Power), MoP vide DO dated 05.10.2021 & 22.11.2021 respectively requested Chief Secretary, Govt of Manipur to look into the matter and expedite the confirmation of Govt. of Manipur. ▪ Secretary (Power) vide DO dtd 24.03.2022 conveyed to Chief Secretary, Manipur that as commitment from Government of Manipur towards the project is still awaited, the Ministry is now constrained to drop the ongoing proposal. ▪ Comments of JS (Power), GoM dated 23.06.2022, forwarded by MSPCL to LDHCL on 30.06.2022, were replied by NHPC on 13.07.2022. Same was further submitted to MSPCL by LDHCL on the same day. ▪ CEA has declined to extend the validity of the concurrence of DPR vide their letter dt 04.08.2022.
TOTAL		996	3663.76	7695	

NHPC –Projects Under Survey & Investigation

S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
1	Garba Tawaghat (3x210)	Uttarakhand	630	<ul style="list-style-type: none"> • Cost of project is Rs. 5389.46 crore at Mar' 2022 PL with Levellised Tariff Rs. 4.29 /unit • Implementation of the project is on hold for obtaining consent of Govt. of Nepal. • 7th JSTC & 9th JCWR meeting was held on 21st - 23rd September '2022 at Kathmandu, Nepal. During the meeting, it was agreed that Indian side shall send a team to hold further discussion with Nepali side in next three months. • NHPC vide e-mail dated 07.06.2023, requested MEA to provide on update on the issues related to Garba Tawaghat, Link road and link canal. MEA vide mail dated 10.06.2023 requested NHPC to coordinate with Commerce representative, Indian Embassy Kathmandu to follow up Indo-Nepal issues. NHPC took up the matter with Mission, Embassy of India, Kathmandu, who vide e-mail dated 22.06.2023 requested NHPC to propose a date to discuss Garba Tawaghat HE Project with representatives of Ministry of Energy, Water Resources and Irrigation, Govt of Nepal, Officials of NEA and IBN. • NHPC vide e-mail dated 22.06.2023 has proposed deputing a team for discussion on Garba Tawaghat HE Project from 24.07.2023-26.07.2023. • NHPC vide letter dated 06.07.2023 requested MoP to coordinate with MEA to support NHPC in obtaining consent from Govt. of Nepal. • Embassy of India, Kathmandu vide e-mail dated 17.07.2023 intimated that convenient dates for meeting on Garba Tawaghat shall be conveyed in coordination with Ministry of Energy Water Resources and Irrigation, Govt of Nepal, Investment Board Nepal and Nepal Electricity Authority. • NHPC is pursuing the matter with Indian Embassy Nepal.

S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
2	Dulhasti Stage-II (2x130)	UT of Jammu & Kashmir	260	<ul style="list-style-type: none"> MOU has been signed between NHPC Ltd. and JKSPDCL on 03.01.2021. The project shall be executed by NHPC on BOOT basis for the period of 40 years. 1st Consultation Meeting with CEA for preparation of DPR was held on 17.03.2021 and Minutes of Meeting (MOM) was issued on 25.03.2021. MoEF&CC vide letter dated 16.07.2021 has conveyed the approval to the ToR for EIA/ EMP studies of the project. EIA/ EMP studies awarded on 08.09.2021 and are in progress. No forest clearance is required. NOC has been obtained from Forest department. Defence Clearance has been accorded by MoD on 03.01.2022. 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, 10 Chapters cleared.
	Total		890	

NHPC –Projects Under Survey & Investigation

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S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
3	Subansiri Upper	Arunachal Pradesh	2000	<ul style="list-style-type: none"> Government of Arunachal Pradesh has conveyed its approval on 21.07.2023 for allotment of the Project to NHPC. MoA with the Govt. of Arunachal Pradesh has been signed on 12.08.2023. Survey & Investigation and development activities of the project is going to start very soon.
4	Subansiri Middle (Kamla)	Arunachal Pradesh	1800	<ul style="list-style-type: none"> Government of Arunachal Pradesh has conveyed its approval on 21.07.2023 for allotment of the Project to NHPC. MoA with the Govt. of Arunachal Pradesh has been signed on 12.08.2023. Survey & Investigation and development activities of the project is going to start very soon.
	Total		4690	



Thank
You

