

S. No	NHPC Project & State/UT	Installed Capacity (MW)	Design Energy (MU)	Year of comm.	Capital Cost as on 31.03.21	Tariff (18-19) (Rs. /Kwh)*	Type of the project
1	Baira Siul (3x60) Himachal Pradesh	180	779.28	1981 (Sep)	204.86	2.04	Run of River (ROR) with small pondage
2	Loktak, (3*35) Manipur	105	448.00	1983 (May)	195.35	3.86	Storage
3	Salal, (6x115) Jammu & Kashmir	690	3082.00	1987 (Nov)	1067.82	2.35	ROR
4	Tanakpur, (3x40) Uttarakhand	94	452.19	1992 (Apr)	428.93	3.30	ROR
5	Chamera-I, (3x180) Himachal Pradesh	540	1664.55	1994 (Apr)	2108.03	2.28	Storage
6	Uri-I, (4x120) Jammu & Kashmir	480	2587.38	1997 (Apr)	3450.64	2.11	ROR
7	Rangit, (3*20) Sikkim	60	338.61	2000 (Feb)	511.98	3.81	ROR with small pondage
8	Chamera-II, (3*100) Himachal Pradesh	300	1499.89	2004 (Feb)	2021.80	2.01	ROR with small pondage
9	Dhauliganga-I, (4x70) Uttarakhand	280	1134.69	2005 (Oct)	1770.79	2.43	ROR with small pondage.
10	Dulhasti, (3x130) Jammu & Kashmir	390	1906.8	2007 (Mar)	5253.80	6.00	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 31.03.21	Tariff (18-19) (Rs. /Kwh)*	Type of the project
11	Teesta-V, (3x170) Sikkim	510	2572.70	2008 (Mar)	2839.85	2.33	ROR with small pondage
12	Sewa-II, (3x40) Jammu & Kashmir	120	533.53	2010 (Jun)	1152.71	5.48	ROR with small pondage
13	Chamera-III , (3x77) Himachal Pradesh	231	1108.17	2012 (Jun)	2141.40	3.94	ROR with small pondage
14	Chutak , (4x11) Jammu & Kashmir	44	212.93	2013 (Jan)	947.93	9.24	ROR
15	TLDP-III, (4x33) West Bengal	132	594.07	2013 (Mar)	1931.49	5.03	ROR with small pondage
16	Nimoo Bazgo, (3x15) Jammu & Kashmir	45	239.33	2013 (Jan)	1073.96	10.69	ROR with small pondage
17	Uri –II, (4x60) Jammu & Kashmir	240	1123.77	2014 (Feb)	2443.78	5.16	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)	1698.86	4.35	Run of River with small pondage
20	Kishanganga (3x110) Jammu & Kashmir	330	1712.96	2018 (Mar)	5935.46	4.10	Run of River with Pondage
	Total-A	5451	24671.86		39906.05	3.40	* Tariff for 2019-20 and 2020-21 yet to be notified.

NHPC – Projects in Operation... contd.

Renewable Energy

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S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost as on 31.03.2021	Tariff 20-21 (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	24872.07		40527.04	3.41	

Operational Projects with Subsidiary

S.No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Capital Cost	Tariff 18-19 (Rs./Kwh)*	Type of the project
1	Indrasagar, (8x125) Madhya Pradesh	1000	1423.26	2005	4865.09	3.70	Storage
2	Omkareshwar, (8x65) Madhya Pradesh	520	669.50	2007	3152.66	5.25	Storage
	Total-C	1520	2092.76		8017.75		* Tariff for 2019-20 and 2020-21 yet to be notified.
Grand Total-D:(A+B+C)		7071	26964.83				

NHPC: Projects Under Construction

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 -December'21 (Rs. Crore)	Expected Commissioning Schedule
Subansiri Lower (8X250) Assam/ Ar. Pradesh	2000	7422	Run of River	6285.33 (Dec'02)	19992.43 (Jan'20)	14738.05	FY 23-24 (Q-2)
Parbati II (4X200) Himachal Pradesh	800	3125	Run of River with small pondage	3919.59 (Dec'01)	9897.59 (Apr'20)	9357.83	FY 22-23 (Q-4)
Total (A)	2800	10547		10204.92	29890.02	24095.88	

Project Under Construction- JV

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 -December'21 (Rs. Crore)	Expected Commissioning Schedule
Pakal Dul (4X250) UT of J&K	1000	3330	Run of River	8112.12 (Mar'13)	8112.12 (Mar'13)	2056.79	FY 25-26 (Q-2)
Kiru (4X156) UT of J&K	624	2272	Run of River	4287.59 (July'18)	4287.59 (July'18)	617.92	FY 25-26 (Q-2)
Total (B)	1624	5602		12399.71	12399.71	2674.71	

NHPC: Projects Under Construction

Project Under Construction-Subsidiary

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 – December'21 (Rs. Crore)	Expected Commissioning Schedule
Teesta-VI (4X125) Sikkim	500	2400	Run of River	5748.04 (July'18)	5748.04 (July'18)	1256.07	FY 23-24 (Q-4)
Rangit-IV (3X40) Sikkim	120	508	Run of River with small pondage	938.29 (Oct'19)	938.29 (Oct'19)	169.08	FY 24-25 (Q-1)
Rattle (4X205+30) UT of J&K	850	3137	Run of River	5281.94 (Nov'18)	5281.94 (Nov'18)	5.90	FY 26-27 (Q-1)
Total (C)	1470	6045		11968.27	11968.27	1431.05	
Total (A+B+C)	5894	22194		34572.90	54258.00	28201.64	

S.No.	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). FRA Compliance is underway. Approval for pre-investment activities has been received. PIB Memo at Apr'21 PL circulated by MoP on 20.11.2021. Replies to comments of CEA, NITI Aayog, DoE, DoEA and CWC stands submitted.
2	Dibang (12x240) (Ar. Pradesh)	2880	11223	32983 (May'21)	<ul style="list-style-type: none"> Concurrence to Project, Environment Clearance, Forest Clearance (Stage-I) and FRA clearance has been received. CCEA approval for Rs. 1600 crore to incur expenditure on pre-investment activities & balance clearances of the project has been accorded. Forest Clearance (Stage-II) has been accorded on 12.03.2020. Matter regarding cost of compensation for land acquisition is subjudice. PIB Memo at May'21 PL circulated by MoP on 18.01.2022. CEA, CWC and MoJS have offered no comments on PIB Memo.

S.No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
3	Dugar (Himachal Pradesh)	500	1758	3920 (Apr'21)	<ul style="list-style-type: none"> MoU was signed on 25.09.2019 between NHPC and Govt. of Himachal Pradesh. Project Installed capacity revised from 449 MW to 500 MW as per Power Potential Study by HPA, CEA on 22.10.2020, resulting increase in design energy from 1610 MU to 1758.40 MUs. Detailed Project Report (DPR) has been submitted to CEA on 25.11.2020. DPR is under examination at CEA/CWC. MoEF & CC vide letters dated 05.08.2020 and 08.02.2021 accorded approval to TOR for the project. Draft EIA/ EMP report submitted to HP State Pollution Control Board (HPSPCB) on 08.11.2021 for conducting public hearing. Requisite fees deposited with HPSPCB, Chamba. Notification for declaring date of Public hearing is yet to be issued by HPSPCB. Matter is being pursued.
4	Sawalkot (6x225+1x56) (UT of J&K)	1856	7995	19021 (Aug'21)	<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. Revised draft PIB note seeking recommendation of Public Investment Board for the pre-investment activities amounting to ₹973 crore has been submitted to MoP on 19.01.2022. Process for obtaining forest clearance has been initiated.
Total (C)		5756	6045	62037	

Projects Under JV

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Kwar (4x135) UT of J&K (under CVPPPL)	540	1976	4526 (Sept'20)	<ul style="list-style-type: none"> All clearances are available. UT of J&K has conveyed its approval vide letter dated 11.11.2020 for exemptions of free power & water usage charges for first 10 years and waiver of SGST of all supplies. PIB note of Kwar HE Project seeking approval for Investment through M/s CVPPPL for construction of Kwar Project at an estimate cost of ₹ 4262.35 crore at Sep'2020 PL considering subordinate debt of ₹ 2000 crore, Infusion of equity of ₹ 641.46 crore by NHPC and Grant of ₹ 616.30 crore to M/s CVPPPL for equity contribution of JKSPDCL was discussed in PIB meeting held on 16.11.2021. During the meeting PIB was not inclined to sanction the subordinate debt of ₹2000 crore. UT of J&K vide order dated 28.12.2021 granted the exemption of free power in a decremental manner from the COD of the project in place of earlier exemption of 12% Free power for a period of 10 years after COD. The exemption of free power will be 10% in the first year and will decrease by 2% every year upto 5th year after COD of the project. Revised PIB note of Kwar HE Project circulated by MoP on 13.01.2022 seeking approval for Investment through M/s CVPPPL for construction of Kwar Project at an estimate cost of ₹4526.12 crore at Sep' 2020 PL, with proposed grant of ₹69.80 crore towards cost of Enabling Infrastructure, and Gol loan of ₹ 2119.42 crore @ 7.3% p.a. to CVPPPL, Infusion of equity of ₹ 681.82 crore by NHPC and Grant of ₹ 655.08 crore to M/s CVPPPL for equity contribution of JKSPDC. PIB discussed the proposal in its meeting held on 27.01.2022. The Minutes of Meeting are awaited.

NHPC –JV Projects Under Clearance



Projects Under JV

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
2	Kirthai-II (6x140 + 2x35 + 2x10)	930	3442	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. • JKSPDC has formed a committee to expedite handing over-taking over process Vide letter dated 04.02.2021. • The Appraisal has been transferred in the name of CVPPPL by CEA on 29.12.2021.
Total		1470	5418	10910	

Projects Under Subsidiary

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	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. ▪ Tendering of all major works is in process. ▪ 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. ▪ Confirmation from Govt of Manipur is still awaited.
TOTAL		66	333.76	1311	

NHPC –Projects Under Survey & Investigation



S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
1	Garba Tawaghat	Uttarakhand	630	<ul style="list-style-type: none"> Implementation of the project is held up due to pending consent consent of Govt. of Nepal. 8th Indo-Nepal meeting was held on 10th-11th December 2020, but the matter was not kept in final agenda, though its inclusion as agenda point was proposed by NHPC. A letter dtd 15.01.2021 has been sent by CMD, NHPC to Secy. (Water Resource) with a request to take up the matter with Govt. of Nepal/appropriate forums for clearance under Mahakali Treaty. The issue was also not discussed in the 9th meeting of Nepal-India Oversight Mechanism held at Kathmandu through VC on 16.08.2021. NHPC vide letter dated 03.11.2021 & 10.12.2021 has requested MoP to take up the matter with MEA/MoWR for discussion with Govt. of Nepal/appropriate forums for clearance under Mahakali treaty. NHPC vide letter dated 28.01.2022 has requested MoP to take up the matter with MoWR for placing the project in the agenda of the next meeting of JCWR to be convened and facilitate implementation of Garba Tawaghat HE Project by NHPC.
2	Dulhasti Stage-II	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 17th Mar'2021 and MOM was issued on 25.03.2021. Further activities for preparation of DPR are in progress. MoEF&CC vide letter dated 16.07.2021 has conveyed the approval to the ToR for EIA/EMP studies of the project. EIA studies is in progress. No forest clearance required. NOC obtained from Forest dept. Defence Clearance has been accorded by MoD on 03.01.2022.

NHPC –Projects Under Survey & Investigation

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S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
3	Uri-I Stage-II	UT of Jammu & Kashmir	240	<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 15th Feb'2021 and MOM issued on 22.02.2021. CEA-HPA division during examination of power potential studies, vide letter dated 12.04.2021 has recommended that: "it is advised that the developer may drop the planned Uri-I Stage-II project and fully utilize existing project in national interest". NHPC has requested CEA to review the power potential studies vide letter dated 21.4.2021. 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 has been initiated. CEA vide letter dated 03.09.2021 has given go ahead with framing of the DPR of Uri-I Stage-II HEP. All (9 nos.) Pre-DPR chapters have been submitted to concerned directorates of CEA/CWC/GSI/CSMRS etc. and 3 Chapters cleared out of 9 Chapters.
	Total		1130	



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