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A Navratna Company

AND GREEN P







NHPC Limited was established in 1975. NHPC is a Government of India 'NAVRATNA' Enterprise.

With an authorized share capital of ₹15000 crore and total investment base of ₹85486.44 crore (as on 31.12.2024), NHPC is ranked as a premier organization in India for development of hydropower.

The technical and engineering proficiency and experience of NHPC places it in a leading position in the field of hydropower development in India and neighbouring countries.



FOOTPRINTS OF NHPC

- OPERATING POWER STATIONS
- PROJECTS COMPLETED ON DEPOSIT/TURNKEY BASIS
- PROJECT UNDER CONSTRUCTION
  - **PROJECTS UNDER SURVEY & INVESTIGATION**
- PROJECTS UNDER CLEARANCES / APPROVAL
- NEW INITIATIVES BY NHPC

#### **NHPC - AN OVERVIEW**

Year of Establishment	1975
Authorized Share Capital	₹15000 crore
Power Stations in Operation	<b>28 (7232.90 MW)#</b> 22 (5551.2 MW) - NHPC 6 (1681.70 MW) - In Joint Ventures
Power Stations Commissioned on Deposit/Turnkey Basis - Completed outside India - Completed within India	5 (70.35 MW) 2 (74.10 MW) 3 (15.25 MW)
Projects under Construction	16 (10804 MW)
Projects under Clearances / Approval	9 (4291 MW)
Projects under S&I	10 (9715 MW)
New Initiatives by NHPC	19 (30284 MW)

#### **POWER STATIONS IN OPERATION**

Derver Station		Capacity (MW)	
Power Station	UT/ State	Own Project	in JV
Baira Siul	Himachal Pradesh	180	
Loktak	Manipur	105	
Salal	J&K	690	
Tanakpur	Uttarakhand	94.2	
Chamera–I	Himachal Pradesh	540	
Uri–I	J&K	480	
Rangit	Sikkim	60	
Chamera–II	Himachal Pradesh	300	
Dhauliganga	Uttarakhand	280	
Dulhasti	J&K	390	
Teesta–V	Sikkim	510	
Sewa-II	J&K	120	
Chamera-III	Himachal Pradesh	231	
Chutak	Ladakh	44	
TLDP-III	West Bengal	132	
Nimoo-Bazgo	Ladakh	45	
Uri-II	J&K	240	
Parbati-III	Himachal Pradesh	520	
TLDP-IV	West Bengal	160	
Jaisalmer Wind Power Project	Rajasthan	50	
Tamil Nadu Solar Project	Tamil Nadu	50	
Kishanganga	J&K	330	
Indira Sagar*	Madhya Pradesh		1000
Omkareshwar*	Madhya Pradesh		520
Kalpi SPP**	Uttar Pradesh		65
Sanchi SPP*	Madhya Pradesh		08
Ground mounted SPP in Central University of Rajasthan, Ajmer***	Rajasthan		0.70
Floating Solar PV, Unit-D (In the Reservoir of Omkareshwar Project) (M.P.)*	Madhya Pradesh		88
	TOTAL	5551.20	1681.70
	GRAND TOTAL	7232.90	MW

<sup>#</sup> NHPC has also installed 4084.34 KWp Rooftop grid connected solar power plants in its PS / CO.
\* Joint venture between NHPC and Govt. of Madhya Pradesh.
\*\* Joint Venture between NHPC and Govt. of Uttar Pradesh. Project fully commissioned on 29.03.2024.
\*\*\* Project synchronization with state grid w.e.f. 14.08.24 and started infusion of energy to CURAJ (Central University of Rajasthan, Ajmer Project inaugurated on 05.09.24 by Hon'ble Governor, Rajasthan.

## POWER STATIONS COMMISSIONED ON DEPOSIT/TURNKEY BASIS

Power Station	UT/State/Country	Capacity (MW)
Abroad		
Devighat	Nepal	14.10
Kurichu	Bhutal	60.00
India		
Kalpong	Andaman & Nicobar Islands	5.25
Sippi	Arunachal Pradesh	4.00
Kambang	Arunachal Pradesh	6.00
	TOTAL	89.35

## **PROJECTS UNDER CONSTRUCTION**

Project	UT/State	Capacity (MW)		
Project	01/State	Own	Project Cost (In Cr.)	
(A) NHPC - Own				
Hydro				
Parbati-II	Himachal Pradesh	800	12160	
Subansiri Lower	Arunachal Pradesh	2000	26075.54	
Dibang Multipurpose	Arunachal Pradesh	2880	31876.39	
Teesta-VI HEP	Sikkim	500	5748.04	
	Sub Total	6180	75859.97	
Solar				
1000 MW CPSUs scheme Solar PV Power Proj	ect(s) anywhere in India			
600 MW	Gujarat	600	4295.63	
300 MW	Rajasthan	300	1731.57	
100 MW	Andhra Pradesh	100	577.20	
Ground Mounted Solar Power Project, Ganjam	Odisha	40	151.74	
Floating Solar Power Project, West Kallada	Kerala	50	259.72	
200 MW Grid connected Solar PV Project (600 MW Solar Park at Khavda), Stage- I	Gujarat	200	929	
200 MW Grid connected Solar PV Project (600 MW Solar Park at Khavda), Stage- III	Gujarat	200	854.10	
	Sub Total	1490	8798.96	
	Total- A (Own)	7670	84658.93	
(B) JVs / Subsidiaries				
Hydro				
Rangit- IV	Sikkim	120	1828.11	
Ratle	J&K	850	5281.94	
Pakal Dul	J&K	1000	12670	
Kiru	J&K	624	5409	
Kwar	J&K	540	4526.12	
Sub T	otal (JVs/Subsidiaries)	3134	29715.17	
	GRAND TOTAL (A+B)	10804.00	114374.1	

2000 MW Subansiri Lower HEP (Assam/Arunachal Pradesh) - Dam

## **PROJECTS UNDER SURVEY & INVESTIGATION**

Project	UT/State	Installed Capacity (MW)	Remark		
(A) NHPC - Own					
Hydro			·		
Dulhasti Stage-II	J&K	260			
Garba Tawaghat HEP	Uttarakhand	630			
Kamala HEP	Arunachal Pradesh	1720	MOA signed between Govt. of Arunachal Pradesh and NHPC Ltd. on 12.08.2023. DPR submitted to CEA on 22.10.2024.		
Subansiri Upper HEP	Arunachal Pradesh	1605	MOA signed between Govt. of Arunachal Pradesh and NHPC Ltd. on 12.08.2023. All 14 no of Pre-DPR chapters have been submitted & out of which, 8 no of Clearances have been obtained.		
West Seti	Nepal	800	DPR of the project forwarded for appraisal on 18.10.2024.		
SR 6	Nepal	460	Draft DPR was submitted to IBN on 14.11.2024 and same was forwarded to CEA/CWC/MOP on 30.11.2024 as per MoU target.1st Consultation meeting was held on 29.01.2025 at CEA.		
	Sub Total	5475			
Pump Storage Projects	·				
Savitri PSP	Maharashtra	1800	Revised MoU has signed with Deptt. of Water Resource, Govt. of Maharashtra on 03.09.2024. DPR is under preparation.		
	Sub Total	1800			
	Total (A) - Own	7275			
(B) NHPC - JVs / Subsidiaries					
Pump Storage Projects					
Indirasagar-Omkareshwar PSP (On Stream)	Madhya Pradesh	640	8 out of total 12 no Pre-DPR chapters submitted & balance are under preparation. Clearance on Hydrology, Power Potential Studies and Transmission Aspects have been accorded by CEA/CWC. EAC recommended grant of T.O.R. on 19.12.2024.		
Rajupalem PSP		800	Kamalapadu PSP has been replaced by Rajupalem PSP by JV partner APGENCO JV agreement signing was concluded on 27.09.2024 in presence of Honble Chief Minister of Govt of Andhra Pradesh and CMD NHPC Ltd. Rajupalem PSP		
Yaganti PSP	Andhra Pradesh	1000	is included in JV agreement in PHASE-I development of PSPs in Andhra Pradesh. Feasibility Study completed. Further, DPR is under preparation. JV incorporation proposal between NHPC and APGENCO is approved by Ministry of Corporate Affairs on 29.01.25.		
	Total (B) - JVs	2440			
	Total (A+B)	9715			

**PROJECTS UNDER CLEARANCES / APPROVAL** 

Project	UT/State	Installed Capacity (MW)	Clearance Pending as on 31.08.2024
(A) NHPC - Own			
Hydro			
Teesta- IV	Sikkim	520	FC-II
Sawalkot	J&K	1856	Defence, FC-I & II, EC
Dugar	Himachal Pradesh	500	FC-I & II, EC
Uri-I Stage-II	J&K	240	FC-II & EC
	Sub Total	3116	
Solar			
100 MW Floating Solar Project at Rengali Reservoir	Odisha	100	Under Tendering Process
	Sub Total	100	
	Total Own (A)	3216	
(B) Projects in Joint Venture			
Hydro			
Kirthai- II	J&K	930	FC-I & II, EC, IWT
	Sub Total	930	

Cont...

Solar			
Mirzapur Solar Project (BSUL, JV with UPNEDA)	Uttar Pradesh	100	PPA, PIB
Madhogarh Solar Project (BSUL, JV with UPNEDA)	Uttar Pradesh	45	PPA, PIB
Solar Park			
Jalaun Ultra Mega Solar Park, 1200 MW (BSUL, JV with UPNEDA	Uttar Pradesh	-	PIB
	Sub Total	145	
	Total J.V (B)	1075	
	Grand Total (A+B)	4291	

## NEW INITIATIVES BY NHPC

Project	Country/ State	Installed Capacity (MW)	Remarks
A) Hydro Projects in Nepal			
Phukot Karnali	Nepal	624	MoU between NHPC and VUCL exchanged on 01.06.2023 for development of Phukot Karnali Project. Further, Review of DPR submitted to VUCL on 30.03.2024. Installed Capacity revised from 480 MW to 624 MW, as per Review Report of DPR submitted to VUCL.
	Sub Total	624	
B) Hydro (Indicated by MOP)			
Siang Lower	Arunachal Pradesh	2700	
Siang Upper Multipurpose Project	Arunachal Pradesh	11200	PFR submitted on 30.12.22
	Sub Total	13900	
C) Pump Storage Plants			
Longtharai PSP	Tripura	800*	Tripura Power Generation Limited vide its Letter dated 20.12.2023 has conveyed the allotment of 04 nos. Pumped Storage Projects to NHPC Limited by the Government of Tripura for detailed Survey & Investigation Works and their subsequent Implementation based on their techno-commercial viability. Consultant has been appointed for preparation of PFR of Longtharai PSP in July 2024. Consultant has submitted PFR on 20th Dec 2024.
Kuppa PSP	Gujarat	900*	PFR of Kuppa PSP has been prepared and submitted to "Energy and Petrochemical Department," Govt. of Gujarat on dated 31.08.2024. A Presentation Meeting on PFR of Kuppa PSP was held between NHPC & Department of Energy & Petrochemicals, Govt. of Gujarat at Gandhinagar on 10.10.24 for its way forward.
Kengadi PSP	Maharashtra	600	PFR submitted to Govt. of Maharashtra on 22.11.2023. Revised MoU has signed with Deptt. of Water Resource, Govt. of Maharashtra on 03.09.2024.
Kalu PSP	Maharashtra	1350	Revised MoU has signed with Deptt. of Water Resource, Govt. of Maharashtra on 03.09.2024. Consultant has been appointed for preparation of PFR of Kalu PSP in July 2024. Consultant has submitted PFR on 20th Dec 2024.
Jalond PSP	Maharashtra	2400	MoU signed with Deptt. of Energy, Govt. of Maharashtra on 06.06.2023. Revised MoU has been signed with Deptt. of Water Resource, Govt. of Maharashtra on 03.09.2024. NHPC site officials visited the project area on 12th Nov 24' and discussed about the wildlife issues with DCF.
Masinta PSP at Deogarh (Up-Stream of Rengali Reservoir)	Odisha	1000	Govt. of Odisha accorded permission for preparation of DPR of Masinta, PSP on 14.10.24. Letter issued by GRIDCO for DPR preparation on dated 30.10.24. Topography survey completed. Preparation of DPR is under progress.
Harbhangi	Odisha	300	Under PFR Stage.
Badanala Stream	Odisha	600	Under PFR Stage.
Sikaser-Gariaband	Chhattisgarh	1000	Evaluation study completed. Preparation of PFR is under progress.
Singli PSP	Rajasthan	860	An MOU has been signed between NHPC and Rajasthan Renewable
Paharkalan PSP-I	Rajasthan	1200	Energy Corporation (RECL) on 06.12.2024. Preparation of PFR is under progress Site visit by NHPC team has been carried out for the
Paharkalan PSP-II	Rajasthan	900	assessment of suitability and feasibility. The report has been submitted
Ghaghri PSP	Rajasthan	580	
Gadikota	Andhra Pradesh	1200	The Feasibility Study Report completed. Preparation of DRP is under progress.
Aravetipalli	Andhra Pradesh	1320	The Pre-Feasibility Report completed.
Deenepalli	Andhra Pradesh	750	The Techno-commercial Feasibility report is completed.
	Sub Total	15760	
	Grand Total (A+B+C)	30284	

\*Probable capacity assessed by NHPC



- NHDC Limited JV with Govt of Madya Pradesh.
- Chenab Valley Power Projects Limited - JV with JKSPDC in UT of J&K.
- Ratle Hydroelectric Power Corporation Limited - Incorporated with NHPC & JKSPDC holding equity share of 51% & 49% respectively. The JVC will implement 850 MW Ratle HEP in UT of J&K.
- Lanco Teesta Hydro Power Limited -Wholly owned subsidiary of NHPC for Teesta-VI HEP (500 MW) in Sikkim.
- Jal Power Corporation Limited-Wholly owned subsidiary of NHPC for Rangit-IV HEP (120 MW) in Sikkim.

- NHPC Renewable Energy Limited (NREL)- Wholly owned subsidiary of NHPC for development of Renewable Energy, Small Hydro and Green Hydrogen based business.
- Bundelkhand Saur Urja Limited JV with UPNEDA, Govt. of Uttar Pradesh
- Loktak Downstream Hydroelectric Corporation Limited - JV with Govt. of Manipur
- National High Power Test Laboratory Pvt. Limited - JV with NTPC, PGCIL, CPRI and DVC.
- Proposed JV in Odisha with Green Energy Development Corporation of Odisha Ltd. (GEDCOL) with NHPC & GEDCOL holding equity share of 74% & 26% for development of 500 MW Floating Solar Power Projects on different water bodies in Odisha.





"Started power

generation in 1982 with a turnover of ₹ 24 crore and net profit of ₹ 7.68 crore."

> "Listed on Indian bourses - BSE & NSE w.e.f. 1<sup>st</sup> September 2009 after successfully concluding its IPO worth over ₹ 6000 crore."



# **POWER GENERATION**



# NHPC'S CAPABILITIES

- Planning, Investigation, Design & Engineering and Execution of Hydroelectric Projects from concept to commissioning.
- Operation, Maintenance Renovation and Modernization & Dam safety evaluation.
- Development of Solar and Wind Power projects.
- Real time monitoring and alert generation by master control room as early warning system for hydropower developers.

## **DESIGN & ENGINEERING**

Design & Engineering is a major thrust area for NHPC. Its Design division is well equipped with modern design tools and a well trained manpower which handles the planning and design of all componets associated with hydropower projects from concept to commissioning including trouble shooting during construction as well as O&M stages of projects.

NHPC has gathered vast experience in construction of underground structures in the complex Himalayan geology which is used for evolving constructable designs for its own projects as well as for consultancy assignments relating to Design & Engineering of hydro-projects in India & abroad.



# EXPERTISE IN RCC DAM CONSTRUCTION

#### Roller Compacted Concrete (RCC)

uses construction process, which combines the economical and rapid placing techniques used for fill dams with the strength and durability of concrete. 160 MW TEESTA LOW DAM-IV POWER STATION, WEST BENGAL

First Roller Compacted Concrete (RCC) dam by NHPC and is only the third of its kind in India.

#### **MAJOR FEATURES OF RCC DAM**

#### 160 MW Teesta Low Dam-IV Power Station, West Bengal

Height of Dam (from deepest foundation)	45 m
Total volume of concrete in dam	170000 cum



# GEOLOGICAL AND GEOTECHNICAL CAPABILITIES

NHPC has been pioneering in development of engineering geological and geotechnical appraisal for civil structures related to hydropower/pump storage projects

> for design of all civil structures of hydropower /pump storage projects is the forte of engineering geologists in NHPC

Complete rockmass characterization

Capability to explore entire spectrum of geological, geophysical, geotechnical and construction material investigations related to hydropower and pump storage projects.

> NHPC has a Fully-equipped Geotechnical lab to carry out laboratory rock mechanics test. It is a lab with prestigious ISO/IEC-17025:2017 accreditation from National Accreditation Board for Testing and Collaboration Laboratories (NABL). This lab is equipped to conduct all lab rock mechanic tests required for Geology chapter of DPR of hydropower projects.

Sophisticated remote sensing lab with capabilities to generate topographic survey maps from satellite imageries for optimization of layout in inaccessible areas

### **Geological Studies**

- To plan, investigate and monitor the Geological and Geotechnical, aspects of hydropower/Pump strorage projects in an efficient and scientific manner including preparation of feasibility and detailed project reports(DPR) in accordance with the regulations laid down by the Govt. of India.
- To provide geological recommendations to avoid or to minimize the threat of geological uncertainties (fault, thrust, thick shear zone, poor rockmass condition, high ingress of ground water, rock bursting, squeezing ground condition) in surface and underground space being faced during construction of various civil structures (Dam, Head Race Tunnel (HRT), Powerhouse (surface or underground).
- Timely aquisition of progressive geological and geotechnical data for optimization of layout and modification in rock support system/change in design layout during investigation stage & construction stage respectively.

## Construction

#### **Materials Studies**

 Capability to conduct in-house field survey, in-situ / laboratory tests and advice on the availability of suitable construction materials studies in terms of quality and quantity vis-a-vis the project requirements and to assess the techno-economic viability of the project.

## **Geophysical Studies**

- Expertise in geophysical studies for investigation, construction and post construction stages
- Geophysical techniques like Seismic Refraction/Reflection, Resistivity Imaging, liquefaction potential assessment techniques.
- Application of advanced geophysical techniques like High Resolution Seismic Tomography and Resistivity Imaging for investigations in complex geological terrains.
- Tunnel Seismic Prediction for assessment of geological conditions ahead of tunnel face is available only with NHPC in India.

#### **Seismological Studies:**

- NHPC has setup 57 Accelerograph for earthquake monitoring at all its power station and JVs projects covering entire Himalayas.
- A Real Time Seismic Data Centre has been established in NHPC for continuous online monitoring of all power stations. NHPC is the only Power utility in the country to have such data centre.
- Technical coordination for Site Specific Design Parameter & Seismological Studies like Micro Earthquake/Local Earthquake Tomograph/MT survey for large dams in accordance with NCSDP guidelines & Dam Safety Act, 2021.
- NHPC has developed mitigation plan w.r.t. Reservoir Triggered Seismicity in the Himalayas/liquefaction potential assessment etc.

# SURVEY & INVESTIGATION

Investigation is an intrinsic aspect of hydropower project during all stages of its development. NHPC is equipped with various state-ofart technologies/instruments and capable of undertaking various investigations.

## **Topographical Survey**

- Expertise in carrying out all kinds of survey works required during planning, construction and maintenance of Engineering Projects.
- Capable of producing topographical maps, DEM\DTM from data acquired by conventional as well as photogrammetry and remote sensing techniques.
- Latest survey equipments such as GNSS System, Reflector less Total Station,Long Range 3D Terrestrial Laser Scannerand Latest Softwares.
- More than 50,000 Hectare survey has been carried by Conventional Method.
- Maps of more than 35 projects has been developed by photogrammetry and remote sensing techniques.

## **Early Warning System**

To minimize damages from floods in the upper Himalayan region, NHPC has developed a Central Control Room and Command Stations for Early Warning System (EWS) catering to hydropower projects of NHPC as well as of other entities. EWS is equipped with automatic instruments (AWLR and telemetry) and has strategic tie-ups with different expert agencies (IMD, CWC, DGRE, NRSC and NGRI).

### **Exploratory Drilling**

- Equipped with the latest technologies and expert drilling crew for carrying out exploratory drilling works in difficult terrain and remote areas
- More than 40000 meters of drilling/ works completed.
- Expertise in carrying out exploratory core drilling works in river beds.
- Latest Swedish Diamec drilling rigs for doing fast core drilling.

# CONSTRUCTING INDIA'S LARGEST HYDROPOWER PROJECT

#### 2880 MW DIBANG MULTIPURPOSE PROJECT

Situated on river Dibang in Lower Dibang Valley District of Arunachal Pradesh, the 2880 MW Dibang Multipurpose Project is being implemented by NHPC. The Project is expected to generate 11,223 MUs (Million Units) of electricity. After construction, the Project will be one of the biggest projects in terms of power generation in India. The Project has been conceived as a Reservoir Scheme for flood moderation and lean season peaking.

#### **Major Features**

Height of Concrete Gravity Dam from deepest foundation - 278 m (One of the highest dams in India/Asia)

Total volume of Concrete in Dam - 190 lakh cum (approx.)

Large gross storage at MWL (EL 538.00 m) - 3510 MCM



# CONSULTANCY & BUSINESS DEVELOPMENT

NHPC is providing consultancy in the various fields of hydropower viz. river basin studies, survey works, design & engineering, reservoir sedimentation studies, hydraulic transient studies, geological studies, geo-technical studies, contract management, construction management, equipment planning, underground construction, testing, commissioning, operation & maintenance and renovation, modernization & updating of hydropower stations etc. to leading organizations globally. Major consultancy assignments are from Central and State Government agencies in India and neighboring countries like Bhutan, Myanmar, Tajikistan and Ethiopia.

#### 720 MW Mangdechhu Hydroelectric Project - Dam (Bhutan)

# GLOBAL INITIATIVES

#### Bhutan -

- Chamkharchhu-I Hydroelectric Project
- Kuri Gongri Basin Projects
- Mangdechhu Hydroelectric Project

#### Tajikistan -

Varzob Hydroelectric Project

#### Nigeria

Shiroro Hydroelectric Power Station

**Ethiopia** *Ethiopia Electric Power Company* 

#### Nepal

- West Seti Hydroelectric Project
- SR-6 Hydroelectric Project
- Phukot Karnali Project

#### Myanmar -

- Tamanthi Hydroelectric Project
- *Shwezaye Hydroelectric Project*

NHPC plans to continue expanding its international operations and help in harnessing the hydro potential available internationally by leveraging its existing relationship and goodwill earned through past consultancy assignments.

## BUSINESS INITIATIVES

- Memorandum of Understanding signed between NHPC and Vidhyut Utpadan Company Limited (VUCL), Nepal for development of Phukot Karnali Hydro Electric Project (624 MW) in Nepal.
- Memorandum of Understanding signed between NHPC and Water Resource department Govt. of Maharastra on 03.09.2024 for the development of Pumped Storage Schemes and other Renewable Energy Source Projects in State of Maharashtra.
- MOU has been signed on 08.08.2022 between NHPC and Investment Board of Nepal for development of West Seti (750 MW) and SR 6 (450 MW) Projects in Nepal.
- Mou signed between NHPC and KSEB on 16.06.2023 for providing Consultancy Services to KSEB for HE Project in the state of Kerala
- MOU has been signed on 23.06.2023 between NHPC and Govt. of Odisha for development of PSP and RE Projects in the state of Odisha.

#### 510 MW Teesta-V Power Station (Sikkim) - Power House

MOA signed between Government of Arunachal Pradesh and NHPC on 12.08.2023 for implementation of two Hydro Projects aggregating to 3800 MW (Kamla HEP- 1800MW and Subansiri Upper HEP- 2000MW) in the state of Arunachal Pradesh.

NHPC and Rajasthan Renewable Energy Corporation Limited (RRECL) signed a Letter of Intent (LOI) for development of 10000 MW Renewable Energy (RE) Projects/ Parks in the state of Rajasthan.

Promoter's agreement signed between NHPC and Green Energy Development Corporation of Odisha Ltd. (GEDCOL) for development of 500 MW Floating Solar Power Projects in different water bodies in Odisha.

Government of Tripura has allotted 04 numbers of PSP sites to NHPC for detailed Survey & Investigation Works and their subsequent Implementation based on their technocommercial viability.

An MOU has been signed between NHPC and ONGC on 15.12.2023 for Cooperation in exploration and development of Pumped Hydro Storage and other Renewable Projects.

# STRATEGIC DIVERSIFICATION IN RENEWABLES

#### **Achievements**

- Bundelkhand Saur Urja Limited (BSUL), a JV has been promoted for development of Solar Power in Uttar Pradesh. 65 MW Kalpi Solar Power Project being implemented by BSUL was fully commissioned on 29.03.2024
- 50 MW Solar Project in Tamil Nadu has been commissioned on 23.03.2018
- NHPC's first Wind Power Project of 50 MW capacity at Jaisalmer, Rajasthan was successfully commissioned on 30.09.2016
- Cumulative 700 MW capacity solar power projects awarded by NHPC Limited as intermediary procurer have been successfully commissioned in Rajasthan"

**Upcoming Projects** 

- 40 MW Solar Power Project in Ganjam, Odisha under Solar Park Scheme
- 1000 MW capacity under CPSU scheme has been awarded to NHPC by IREDA & further NHPC has awarded EPC contract on 12.05.2022 for 1000 MW
- 6660 MW Solar, FDRE and Hybrid projects awarded to Developers under REIA scheme through tariff based competitive bidding are under implementation.
- 1200 MW Solar Park Development in Jalaun (UP) through BSUL
- 500 MW Floating Solar Projects in Odisha under UMREPP (300 MW in Phase-I) in JV mode with GEDCOL
- Floating Solar PV, Unit-D (In the Reservoir of Omkareshwar Project) by NHDC, a subsidiary of NHPC Limited
- 50 MW floating Solar Power Project in Kerala

50 MW Wind Power Project, Jaisalmer (Rajasthan)

50 MW Solar PV Project (Tamil Nadu)



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