

# NHPC – CAPEX

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F.Y	Amount (Rs. In Crore)	Remarks
2014-15	2615	(Actual)
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	5428	(RE)
2022-23	5862	(BE)



- ❖ Some of the largest Hydroelectric Projects in the Siang and Subansiri Basins have been allotted to NHPC. The Projects in Subansiri Basin viz. 2000 MW Subansiri Upper and 1800 MW Subansiri Middle shall be developed by NHPC on standalone basis while 10000 MW Upper Siang and 2700 MW Siang Lower in Siang Basin are to be developed on JV mode.
- ❖ MoU has been signed with Bihar State Hydroelectric Power Corporation Limited (BSHPC) on 14th June'21 for implementation of 130.1 MW Dagmara Hydro Electric Project in Supaul district of Bihar. The project is the largest hydropower project in Bihar and shall be implemented by NHPC on ownership basis.
- ❖ Public Investment Board (PIB) had recommended 850 MW Ratle HE Project for implementation. The new joint venture of NHPC and Jammu & Kashmir State Power Development Corporation Limited (JKSPDC) by which the project shall be implemented has been incorporated namely "Ratle Hydroelectric Power Corporation Limited" on 1st June'21. Ministry of Power has conveyed the Government investment sanction for implementation of Ratle HE Project at an amount of Rs.5281.94 crore.
- ❖ Power Purchase Agreement (PPA) has been signed between NHPC and State Discom, GRIDCO on 19.05.2021 for 40 MW Solar PV Project in Ganjam District and LOA for EPC Contract has also been issued to M/s Tata Power Solar Systems Limited on 24.05.2021.
- ❖ NHPC bagged 1000 MW Solar Power Project at a Viability Gap Funding (VGF) of Rs. 44.90 Lakh/MW under CPSU Scheme, Phase-II, Tranche-III in the e-Reverse auction conducted by Indian Renewable Energy Development Authority (IREDA) on 23.09.2021.
- ❖ NHPC signed Promoters' Agreement with Green Energy Development Corporation of Odisha Ltd. (GEDCOL) on 04.01.2022 for "Development of 500 MW Floating Solar Projects on different water bodies in Odisha". The equity shareholding of NHPC and GEDCOL in the proposed Joint Venture Company shall be in the proportion of 74:26.

# Renewable Energy

## ☐ Solar Energy



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## A (i) Standalone (Ownership Based)

### (a) Under Construction

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tariff (Rs./unit)	Status of PPA
1	Solar Power Project, Ganjam (Odisha)	40	178.00	2022-23	2.75	PPA Signed with GRIDCO
<b>Total-(a)</b>		<b>40</b>	<b>178.00</b>			

### (b) Tender Stage

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Floating Solar, West Kallada (Kerala) under UMREPP	50	250.00	2022-23	3.40	PPA to be signed with KSEB as per discovered tariff
2	Ground Mounted Solar, Jaisalmer (Rajasthan) under UMREPP	600	3000.00	2022-23	2.90	PPA under exploration
3	Solar Project, Tamilnadu	500	2500.00	2022-23	3.50	PPA under exploration
4	Solar Project, Tamilnadu	100	500.00	2022-23	3.50	
5	Projects under CPSU scheme	1000	5000.00	2022-23	2.45	PPA under exploration
<b>Total-(b)</b>		<b>2250</b>	<b>11250.00</b>			
<b>Sub Total Standalone (Ownership Based) - A(i): (a+b)</b>		<b>2290</b>	<b>11428.00</b>			

## A (ii) Standalone (As Intermediary Procurer)

### (a) Under Construction

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tariff (Rs./unit)	Status of PPA
1	Projects through Solar Power Developers, Rajsthan	2000	0.00	2022-23	2.55 (1600 MW) 2.56 (400 MW)	PPA and PSA signed. Tariff adopted by CERC
	<b>Total-(a)</b>	<b>2000</b>	<b>0.00</b>			

### (b) Under Pipeline

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Solar, Wind & Storage Hybrid Projects Developers	1000	0.00	2023-24	To be discovered	To be explored subsequently
	<b>Total-(b)</b>	<b>1000</b>	<b>0.00</b>			
<b>Sub Total Standalone (As Intermediary Procurer)-A(ii): (a+b)</b>		<b>3000</b>	<b>0.00</b>			
<b>Grand Total-A:[A(i)+A (ii)]</b>		<b>5290</b>	<b>11428.00</b>			

## B. JV Mode

### (a) Under Construction

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Solar Power Project, Kalpi (UP) (JV-BSUL)	65	312.00	2021-22	3.02	In process with UPPCL
	<b>Total- (a)</b>	<b>65</b>	<b>312.00</b>			

### (b) Tender Stage

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Floating Solar Project, Odisha (Proposed JV between NHPC (74%) & GEDCOL (26%))	300	1500.00	2023-24	3.50	To be explored by JVC with State Discom
2	Solar Park, Madhogarh (U.P.) (JV-BSUL)	45	210.00	2022-23	3.30	To be explored subsequently
3	Solar Park, Mirzaour (U.P.) (JV-BSUL)	100	480.00	2022-23	3.30	To be explored subsequently
	<b>Total- (b)</b>	<b>445</b>	<b>2190.00</b>			

## B. JV Mode

### (c) Under Pipeline

S.No	Name of Project	Capacity (MW)	Estimated Capital cost	Expected Commissioning Schedule	Tentative Tariff (Rs./unit)	Status of PPA
1	Floating Solar Project, Odisha (Proposed JV between NHPC (74%) & GEDCOL (26%))	200	1000.00	2023-24	3.50	To be explored by JVC with State Discom
2	Solar Park, Jalaun (U.P.) under UMREPP (JV-BSUL)	1200	840.00	2023-24	To be discovered	To be explored subsequently
	<b>Total- (c)</b>	<b>1400</b>	<b>1840.00</b>			
<b>Grand Total-B:(a+b+c)</b>		<b>1910</b>	<b>4342.00</b>			

# NHPC Projects At A Glance



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