



# INVESTOR PRESENTATION

## FINANCIAL YEAR 20-21 : September 2020



# Presentation Outline

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NHPC Today

Financial Highlights

Financial Ratios

Other Business 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



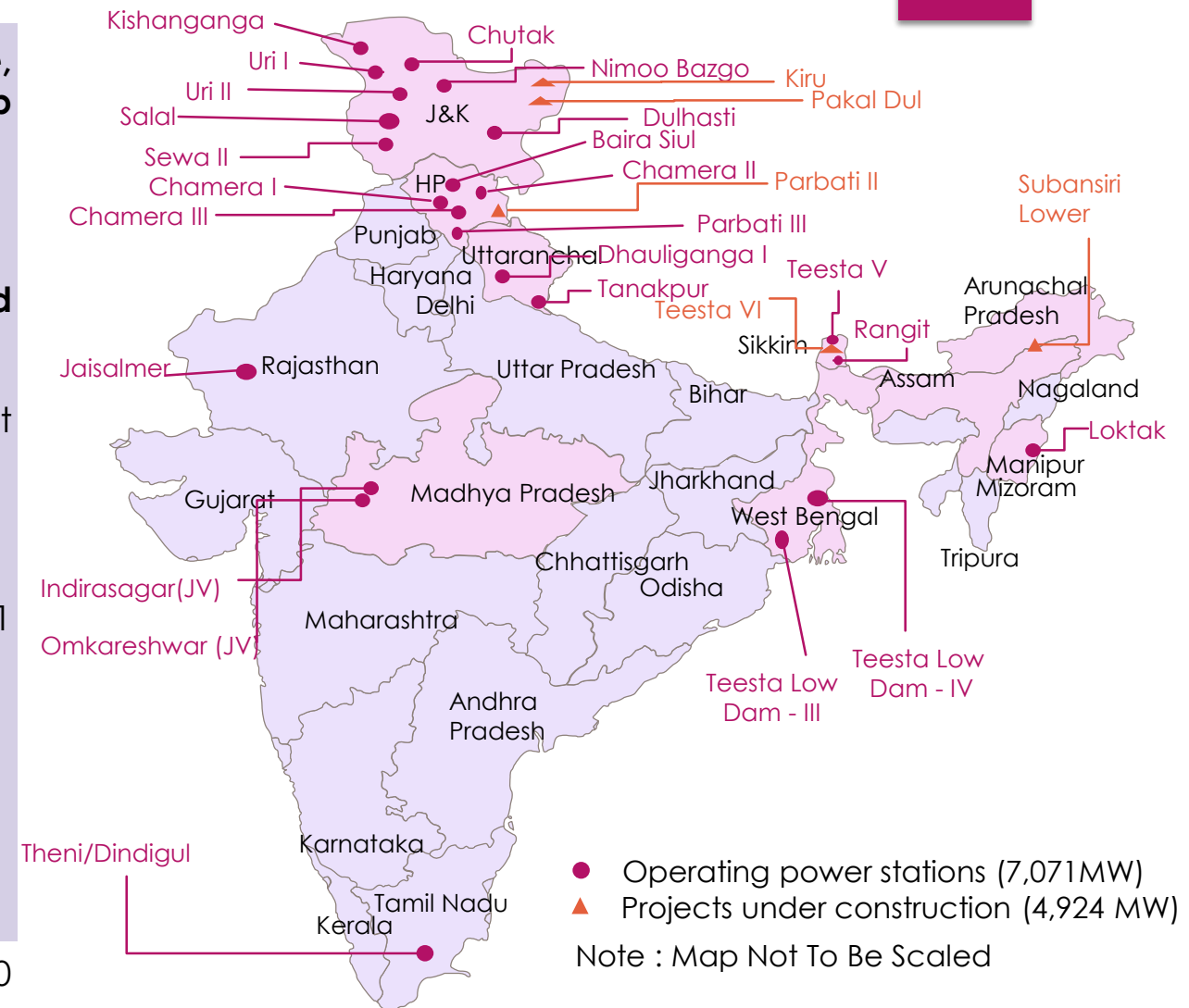
Teesta V, Sikkim

# 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 11 states.
  - 15% share of installed hydro-electric capacity in India (6,971 MW out of 45,699 MW\*).
  - Consultancy business.
  - Power trading business.
  - Exposure to international business opportunities.

\* Source-CEA as on 30.09.2020



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) - 2 Nos. (1520 MW)
- ❖ Total Operational Projects – 24 Nos. (7071 MW)

## Under Construction

- ❖ Projects Under Construction (including Subsidiary & JV) :-
  - Hydro - 5 Nos. (4924 MW)

## Awaiting Clearances

- ❖ Projects Awaiting Clearances : -
  - Standalone - 5 Nos. (4995 MW)
  - Joint Venture - 3 Nos. (2160 MW)
  - Subsidiary – 1 No. (66 MW)

## Under Pipeline

- ❖ Projects under Pipeline 1 No. (2080 MW)

Hydro Power is 12% (45699 MW) of All India Installed Capacity (373029 MW\*\*).

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

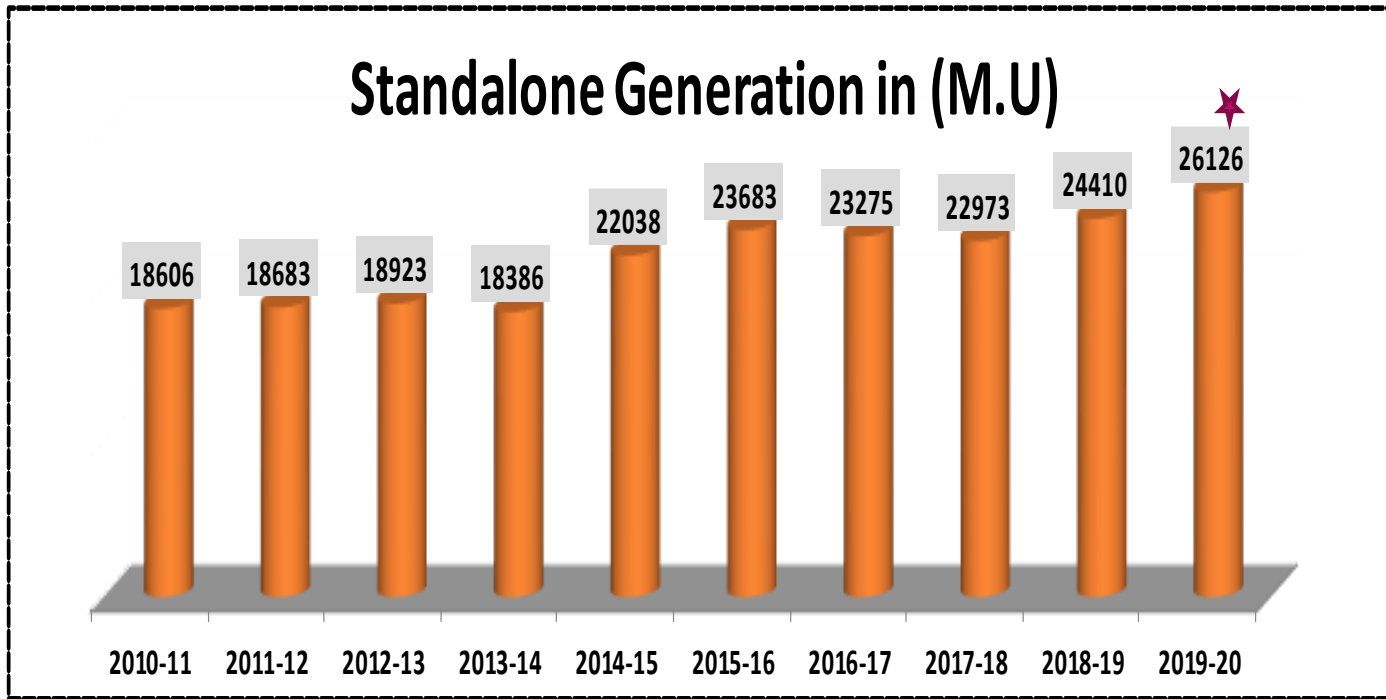
Status	Capacity (MW)
Operational Projects	7,071
Projects Under Construction (including Subsidiary & JV)	4,924
Projects Under Clearance:	
Stand alone	4,995
JV Projects	2,160
Subsidiaries	66
Projects Under Pipeline	2,080
<b>Total</b>	<b>21,296</b>

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

\*\* Source-CEA as on 30.09.2020

# NHPC 's Track Record – A Ten Year Digest

## Standalone Generation in (M.U)

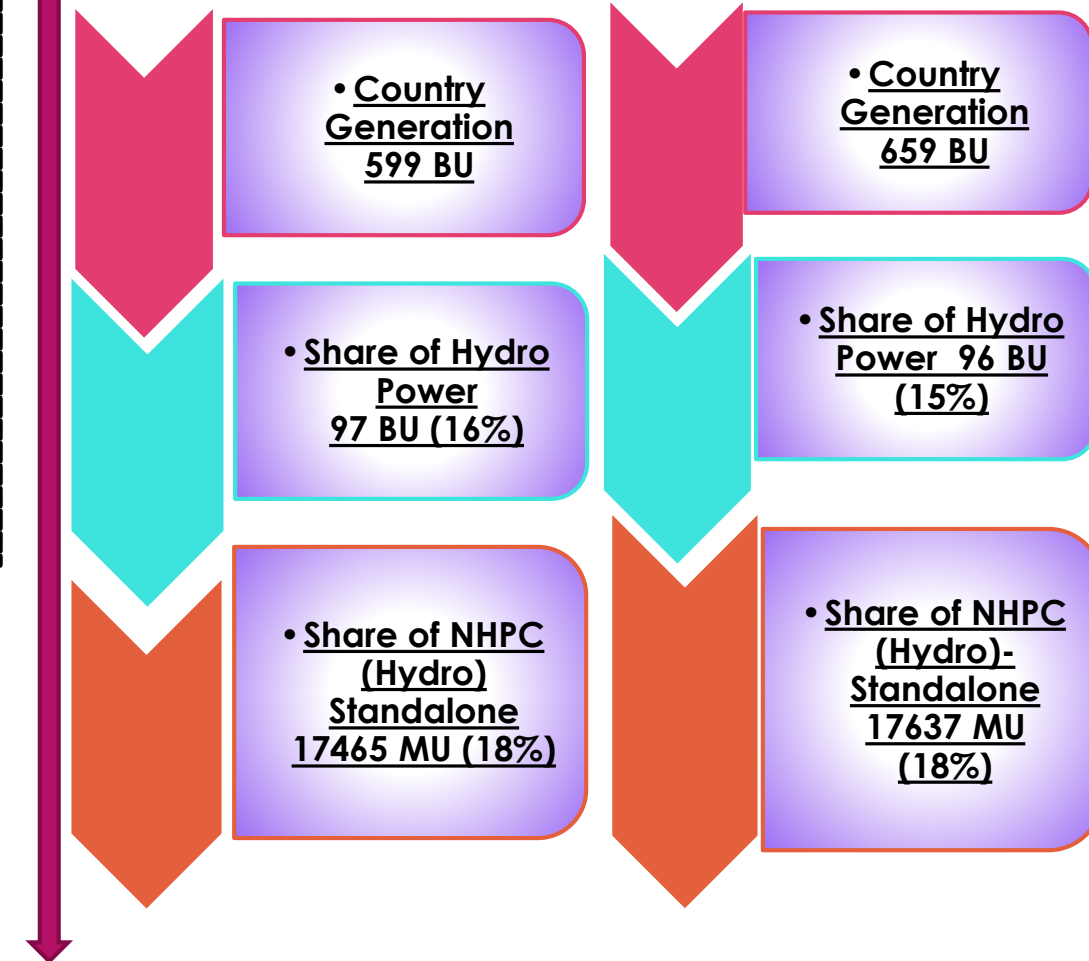


★ Hydro: 25976 MU(excl. infirm power of 190 MUs : Parbati II), Wind: 53 MU & Solar: 97 MU.

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**Actual H1 FY'21**

**Actual H1 FY'20**





# Financial Highlights



Sewa II, J&K



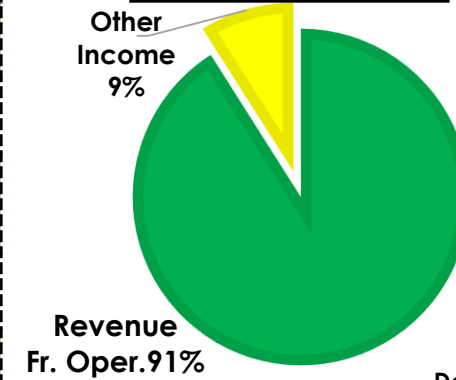
Chamera I, Himachal

Clean Power For Every Home

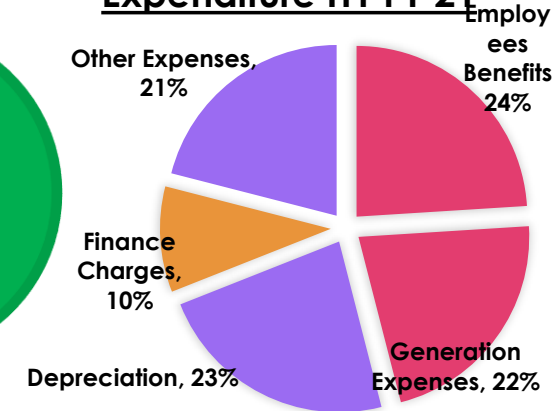
# Financial Highlights : Standalone

## Revenue & Expenditure-Analysis

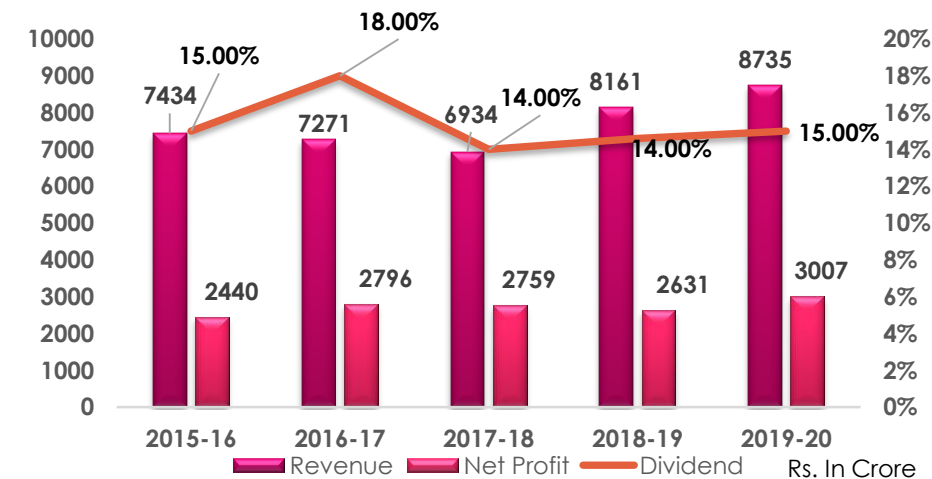
Revenue H1 FY'21



Expenditure H1 FY'21



## Revenue Vs. Net Profit Vs. Dividend



Particulars	FY'21		FY'20			% Change	
	Half Year	Qtr-2	Half Year	Qtr-2	Full Year	Half Year	Qtr-2
Revenue from Operation	5072.90	2554.03	5026.68	2605.39	8735.41	0.92	-1.97
Other Income	512.07	426.12	586.35	499.19	1036.18	-12.67	-14.63
<b>Total Income (A)</b>	<b>5584.97</b>	<b>2980.15</b>	<b>5613.03</b>	<b>3104.58</b>	<b>9771.59</b>	<b>-0.50</b>	<b>-4.01</b>
Purchase of Power - Trading	212.37	5.28	40.32	40.32	234.13	426.71	-86.90
Generation Expenses	604.34	313.36	577.51	290.75	901.67	4.65	7.78
Employee Benefits Expense	670.01	343.81	733.59	376.37	1515.52	-8.67	-8.65
Finance Cost	292.87	146.18	488.61	252.05	795.42	-40.06	-42.00
Depre. & Amort. Expense	663.44	333.17	772.26	385.66	1545.34	-14.09	-13.61
Other Expenses	592.74	318.83	593.37	320.04	1514.95	-0.11	-0.38
<b>Total Expenditure(B)</b>	<b>3035.77</b>	<b>1460.63</b>	<b>3205.66</b>	<b>1665.19</b>	<b>6507.03</b>	<b>-5.30</b>	<b>-12.28</b>
Exceptional Items (C)	185	0					
Rate Regu. Income (D)	71.29	36.06	301.23	102.37	343.61	-76.33	-64.77
<b>PBT (A-B-C+D)</b>	<b>2435.49</b>	<b>1555.58</b>	<b>2708.60</b>	<b>1541.76</b>	<b>3608.17</b>	<b>-10.08</b>	<b>0.90</b>
Tax	414.45	257.08	488.00	202.30	601	-15.07	27.08
<b>Profit After Tax</b>	<b>2021.04</b>	<b>1298.50</b>	<b>2220.60</b>	<b>1339.46</b>	<b>3007.17</b>	<b>-8.99</b>	<b>-3.06</b>



# Statement of Assets & Liabilities

Rs. In Crore

<b>Equity and Liabilities</b>	<b>H1- FY'21</b>	<b>FY'20</b>
Share Holder's Funds	31622.70	29983.81
Loan Funds-Long Term	20612.81	20889.74
Deferred Tax Liabilities	3616.75	3641.19
Other Long term Liabilities & Provisions	4130.58	4169.54
Current Liabilities & Provisions	7457.47	5929.24
<b>Total Equity &amp; Liabilities</b>	<b>67440.31</b>	<b>64613.52</b>
<b>ASSETS</b>		
PPE (incl. investment property)	20847.02	21467.82
Capital Work in Progress	16859.98	16097.65
Right of Use Assets	1815.65	1826.98
Intangible Asset	3.27	0.72
Non Current Financial Asset	7794.91	7635.30
Non Current Assets (Others)	3401.79	3162.51
Regulatory Asset	6907.51	6836.22
Trade Receivables	5005.10	3818.34
Cash and Bank Balances	1362.60	389.12
Current Assets (Others)	3442.48	3378.86
<b>Total Assets</b>	<b>67440.31</b>	<b>64613.52</b>

# Debtors Position

Rs. In Crore



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## Total Debtors (in Crs.)

S. N.	Particulars	As on 30.09.2020	As on 30.06.2020	As on 31.03.2020	As on 31.12.2019	As on 30.09.2019
1	Trade Receivables	5005	4672	3818	3779	3697
2	More than 45 days	3719*	3627*	3164*	2951*	2640*

## Top Five Debtors (in Crs.)

Name	30.09.2020		31.03.2020	
	Total	More than 45 days	Total	More than 45 days
PDD, J&K (Incl. JKPCL)	2247	2111	1450	1389
UPPCL, UP	1272	965	1288	1226
PSPCL, Punjab	354	223	135	98
WBSEDCL	167	79	126	89
HPPC	152	105		
JDVNL			157	143

\* Net of Provision.

# Incentives Position

## Comparative Incentive YoY (in Crs.)

Sl.	Particulars	FY20-21					FY19-20				
		Q-1	Q-2	Q-3	Q-4	Total	Q-1	Q-2	Q-3	Q-4	Total
1	Secondary Energy	0.00	22.80	-	-	<b>22.80</b>	-	36.34	64.35	227.70	<b>328.39</b>
2	Incentives	148.25	136.54	-	-	<b>284.79</b>	141.63	113.12	91.37	14.83	<b>360.95</b>
3	Deviation Chrgs.	34.58	44.51	-	-	<b>79.09</b>	19.14	34.33	34.47	42.94	<b>130.88</b>
	<b>G. Total</b>	<b>182.82</b>	<b>203.85</b>	-	-	<b>386.68</b>	<b>160.77</b>	<b>183.79</b>	<b>190.19</b>	<b>285.47</b>	<b>820.22</b>
4	<b>PAF</b>	<b>90.98%</b>	<b>91.65%</b>	-	-	<b>91.34%</b>	<b>90.97%</b>	<b>90.03%</b>	<b>81.44%</b>	<b>73.71%</b>	<b>84.04%</b>

### Supplements

Power Station With Highest PAF Incentive : Salal (Rs. 52.96 Cr., PAF : 104.90%, NAPAF : 64%)

Power Station with highest Deviation Charges: Salal (Rs. 25 Cr.)

Power Station Giving Best Generation : Chamera-I (113% of the annual design energy)

### Supplements

Power Station with Highest PBT- Dulhasti (Rs. 364 Crs)

NHPC Profit per MW: Rs. 36 lakhs (H1 FY'21), Rs. 40 lakhs (H1 FY'20)

NHPC Profit per Employee: Rs. 35 lakhs (H1 FY'21), Rs. 34 lakhs (H1 FY'20)



# Key Financials : H1 FY'21

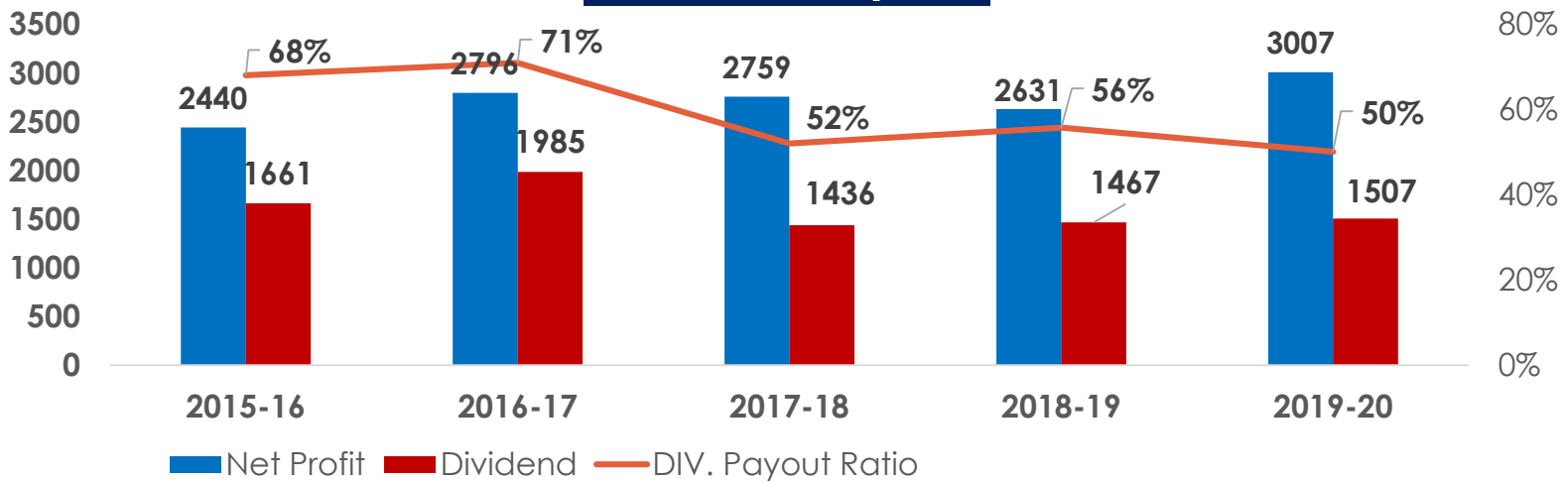
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₹ In Crore

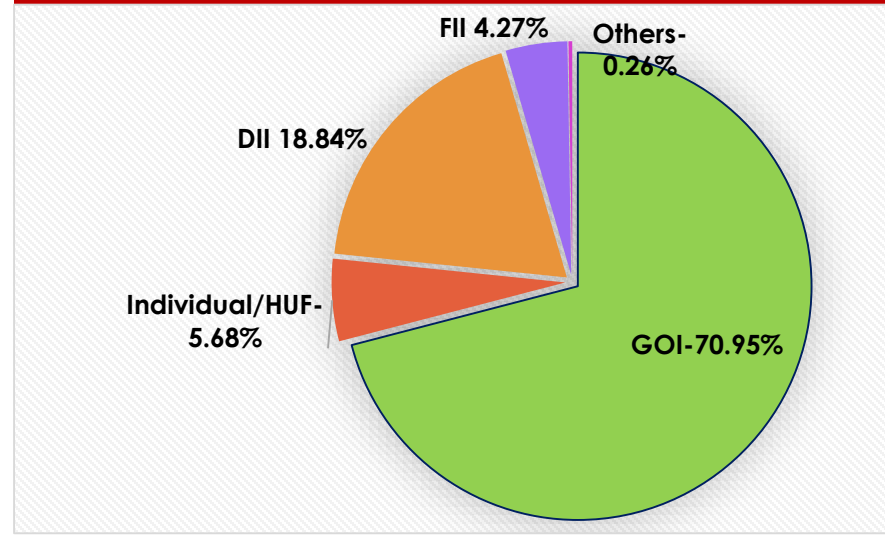
P&L	Standalone
Total Income	5585
EBITDA	3392
EBITDA Margin	61%
PAT	2021
Profit Margin	36%
Dividend Pay Out (FY'20)	Rs. 1.50 Per Share/ 50% of Profit

Balance Sheet	Standalone
Share Capital	10045
Net worth	31623
Long Term Debt	20613
Cash & Bank Bal.	1363
Gross Block	40641
CWIP	16860

## Dividend Pay out



## Shareholding pattern as on 30.09.2020



# NHPC – Key Ratios

S. No.	Particulars	H1 FY'21		FY'20	
Particulars		Standalone	Consolidated	Standalone	Consolidated
1.	PAT (Rs. in Cr.)	2021.04	1960.24	3007.17	2874.61
2.	Net-worth (Rs. in Cr.)	31622.70	32946.50	29983.81	31370.61
3.	No. of Equity Shares (In Cr.)	1004.50	1004.50	1004.50	1004.50
4.	EPS (Rs.)	2.01*	1.95*	2.99	2.86
5.	Earning Yield(%)**	9.50*	9.22*	14.99	14.34
6.	Dividend Per Share (Rs.)			1.50	
7.	Dividend Yield(%)**			7.52	
8.	Book Value per share (Rs.)	31.48	32.80	29.85	31.23
9.	PB Ratio**	0.67	0.64	0.67	0.64
10.	PE Ratio**	5.26	5.42	6.67	6.98
11.	Return On Net worth (%)	6.39*	5.95*	10.03	9.16
12.	Market Capitalisation (Rs. in Cr.)**	21245		20040	
13.	Debt Equity Ratio	0.76	0.73	0.82	0.78

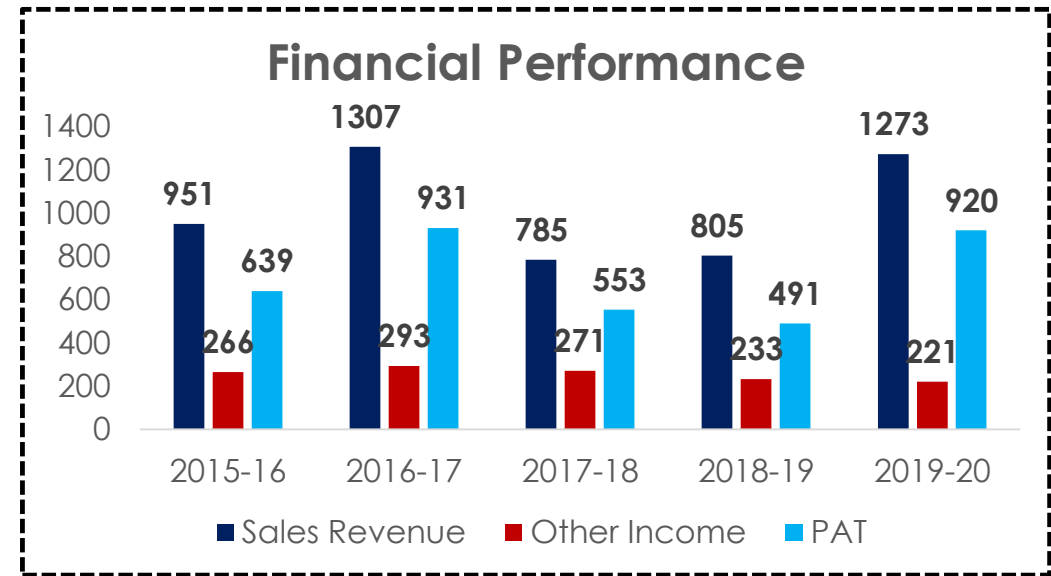
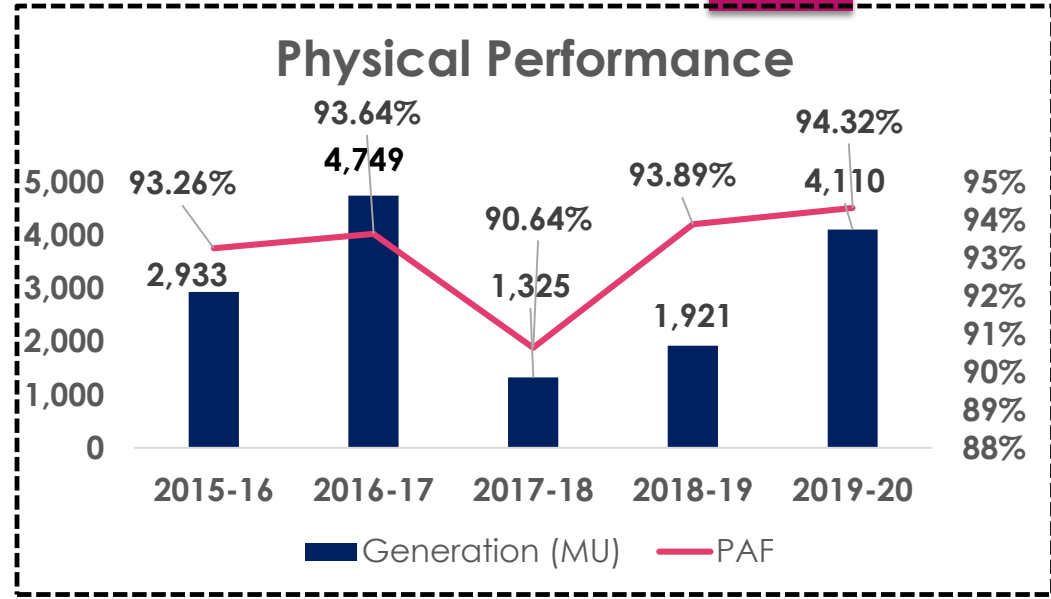
\* Not annualised. \*\* Stock Price (BSE): as on 09.11.2020 Rs. 21.15 & as on 31.03.2020 Rs. 19.95.

# NHDC Ltd. (Subsidiary) – Snapshots : FY19-20

- Shareholding Pattern : 51:49 (NHPC : GoMP)
- Installed Capacity : 1520 MW
- Design Energy : 2120.17 MUs
- Generation : 4110 MUs (FY'20), 1921 MUs (FY'19)
- PAF : 94.32% (FY'20), 93.89% (FY19)
- Revenue from operations : Rs. 1273 Crs. (FY'20), 805 Crs (FY'19)
- PAT : 920 Crs. (FY20), 491 Crs. (FY19)

PAF Incentive : Rs. 32 Crs. (FY 20), Rs. 38 Crs. (FY 19)

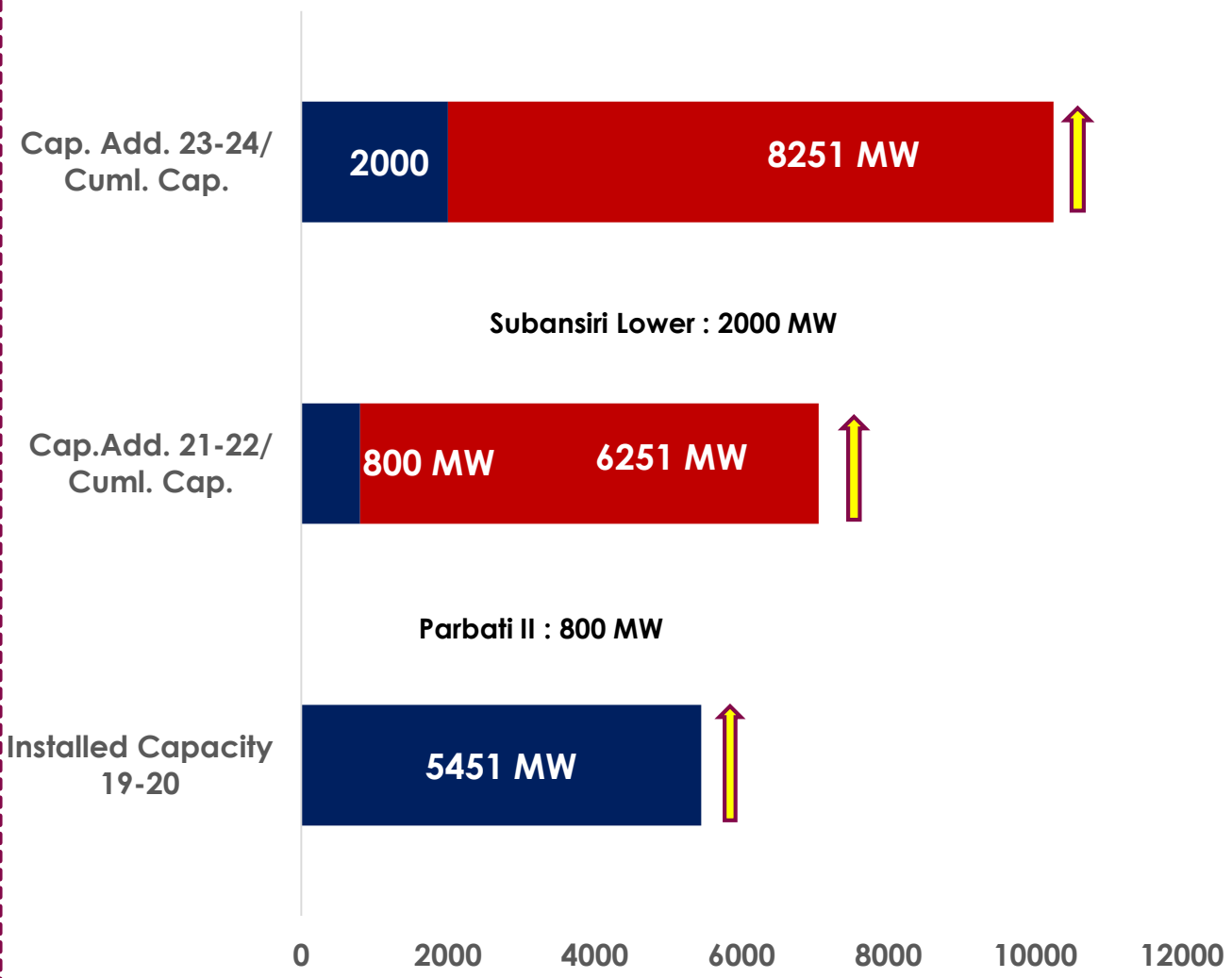
Secondary Energy : Rs. 236 Crs. (FY 20), Rs. Nil Crs (FY 19)



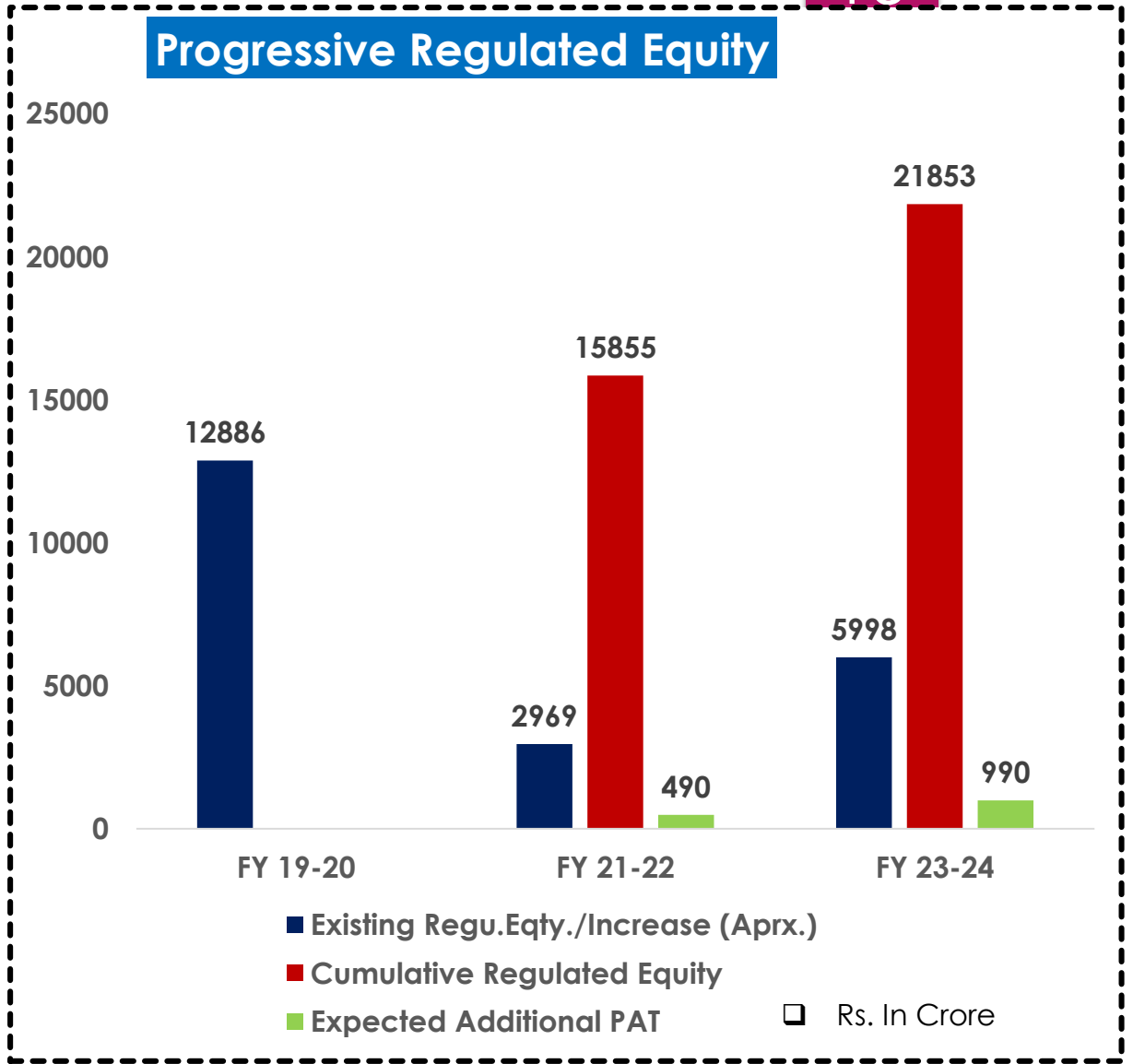


# NHPC – Capacity Addition & Regulated Equity (Hydro)

## Progressive Capacity Addition



## Progressive Regulated Equity



Power Station with highest generation during H1 FY'21 : Salal (2835 MU, Annual D.E-3082 MU)





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	5256	(BE)



- ❖ In principal Approval has been received from Ministry of for development of 1200 MW Solar Power park scheme by Bundelkhand Saur Urja Limited under Ultra Mega Renewable Energy Power Parks (UMREPP) mode of the Solar Park Scheme in Jalaun Distrcit of Uttar Pradesh.
- ❖ An MoU has been signed with Green Energy Development Corporation of Odisha Ltd. (GEDCOL), for “Development of 500 MW Floating Solar Projects in Odisha under UMREPP” on 20th July 2020 with total estimated investment of Rs. 2500 Crore.
- ❖ Public Investment Board (PIB) has recommended 850 MW Ratle HE Project for implementation. The project shall be implemented by the Joint Venture of NHPC and Jammu & Kashmir State Power Development Corporation Limited(JKSPDC).
- ❖ LOA has been issued in favour of M/s Patel Engineering Ltd. On 01.09.2020 for Power House Package (Lot: SSL-6) of Subansiri HE Project, Arunachal Pradesh/ Assam.
- ❖ An MOU has been signed on 22.06.2020 with Hydropower Investment and Development Company Limited (HIDCL), Nepal for development of hydropower projects in Nepal.
- ❖ NHPC has diversified its portfolio to include Solar Power business and has given Letter of Awards (LOA) to Solar Power Developers for interstate transmission system (ISTS) grid connected photovoltaic projects aggregating to 2000 MW installed capacity. PPAs & PSAs have been signed for entire 2000 MW. Power Sell Agreements have been signed for procurement of 1680 MW Solar Power at the tariff of Rs. 2.55/KWh and for procurement of 320 MW Solar Power at the tariff of Rs. 2.56/KWh for 25 year on long term basis. NHPC shall earn trading margine @ Rs 0.07/KWh during the contract period.



# Other Business Initiative

☐ Solar Energy



Clean Power For EVERY HOME

## Solar Power

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### 65 MW Solar Power Project in Jalaun, Uttar Pradesh

- JVC of NHPC Ltd. & UPNEDA namely 'Bundelkhand Saur Urja Limited' formed on 02.02.2015
- Share of NHPC & UPNEDA :  $\geq 74 : \leq 26$

**Current Status:** Based on additional identified land, the earlier envisaged 32 MW Solar Project at Kalpi has been scaled up to 65 MW and fresh EPC tender has been invited. Last date of bid submission is 24.11.2020.

### 50 MW Floating Solar Project, Kerala

- NHPC is in process of development of Floating Solar Power project in West Kallada, Kerala.
- KSEB conveyed its in-principle consent go ahead for implementation of 50MW Floating Solar in West Kallada, Kerala.

**Current Status:** NIT for invitation of EPC bids floated on 30.06.2020. PPA under discussion with KSEB

### 140 MW Solar Park in Odisha

- MNRE has conveyed in-principle approval for setting up of two solar park in Odisha by NHPC.
- 40 MW shall be developed in 1st Phase at the identified land in Ganjam District and additional 100 MW shall be developed in 2nd Phase at the identified land in Deogarh District
- Approval of State Technical Committee (STC) for 40 MW & Additional 100 MW have been conveyed by M/s Green Energy Development Corporation of Odisha Ltd (GEDCOL).

**Current Status :** NIT for invitation of EPC bids for 40MW floated on 15.07.2020. Route survey for 100MW completed by Odisha Power Transmission Corporation Limited (OPTCL), Cost estimate for transmission line is under preparation with OPTCL.

### Selection of Developers for Development of Aggregate 2000 MW ISTS connected Solar Power Project

- NHPC issued a Request for Selection (RFS) document as an Intermediary Procurer for selection of developer for development of aggregate 2000 MW Solar Power Projects on anywhere India basis.
- Letters of Award (LOA) to Solar Power Developers have been issued for 1600 MW (on 01.06.2020 and 02.06.2020) and LOA for balance 400MW has been issued on 09.07.2020.
- Current Status:** PPA/PSA signed for entire 2000 MW

### 1000 MW Floating Solar Power Projects under UMREPP Scheme of MNRE

- NHPC has been allotted the States of Telangana, Odisha and J&K for development of Ultra Mega Renewable Energy Power Parks (UMREPPs).
  - Odisha:** 500 MW Floating Solar Projects in various reservoirs of Odisha has been proposed to be set up by NHPC under JV Mode with State Nodal Agency, GEDCOL. MoU between NHPC and GEDCOL has been signed on 20.07.2020 through Video Conference Meeting. Formation of JV Company is under process.
  - Telangana:** 500 MW Floating Solar Project in reservoir of Midmanair Dam has been proposed to be set up by NHPC under JV Mode with State Nodal Agency, TSREDCO. Draft MoU between NHPC and TSREDCO is under approval with Govt. of Telangana. Process is presently held up due to COVID crisis.
- Current Status:** Approval of MoU with Telangana presently held up due to COVID crisis.



# NHPC Projects At A Glance



**NHPC-Energising India With Hydropower**

S. No	NHPC Project & State/UT	Installed Capacity (MW)	Design Energy (MU)	Year of comm.	Capital Cost as on 31.03.20	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)	1050.10	2.34	ROR
4	Tanakpur, (3x40) Uttarakhand	94	452.19	1992 (Apr)	421.33	3.30	ROR
5	Chamera-I, (3x180) Himachal Pradesh	540	1664.55	1994 (Apr)	2091.88	2.28	Storage
6	Uri-I, (4x120) Jammu & Kashmir	480	2587.38	1997 (Apr)	3442.46	2.10	ROR
7	Rangit, (3*20) Sikkim	60	338.61	2000 (Feb)	504.94	3.81	ROR with small pondage
8	Chamera-II, (3*100) Himachal Pradesh	300	1499.89	2004 (Feb)	2018.64	2.01	ROR with small pondage
9	Dhauliganga-I, (4x70) Uttarakhand	280	1134.69	2005 (Oct)	1769.07	2.43	ROR with small pondage.
10	Dulhasti, (3x130) Jammu & Kashmir	390	1906.8	2007 (Mar)	5242.86	5.99	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 31.03.20	Tariff (18-19) (Rs. /Kwh)*	Type of the project
11	Teesta-V, (3x170) Sikkim	510	2572.70	2008 (Mar)	2796.72	2.33	ROR with small pondage
12	Sewa-II, (3x40) Jammu & Kashmir	120	533.53	2010 (Jun)	1151.65	5.48	ROR with small pondage
13	Chamera-III , (3x77) Himachal Pradesh	231	1108.17	2012 (Jun)	2129.07	5.48	ROR with small pondage
14	Chutak , (4x11) Jammu & Kashmir	44	212.93	2013 (Jan)	937.39	8.73	ROR
15	TLDP-III, (4x33) West Bengal	132	594.07	2013 (Mar)	1931.49	4.75	ROR with small pondage
16	Nimoo Bazgo, (3x15) Jammu & Kashmir	45	239.33	2013 (Jan)	1071.98	10.03	ROR with small pondage
17	Uri –II, (4x60) Jammu & Kashmir	240	1123.77	2014 (Feb)	2331.36	5.14	ROR
18	Parbati-III (4x130) Himachal Pradesh	520	1963.29	2014 (May)	2722.05	3.08	ROR with small pondage
19	TLDP IV (4x40), West Bengal	160	720.00	2016 (Aug)	1822.95	2.89	Run of River with small pondage
20	Kishanganga (3x110) Jammu & Kashmir	330	1712.96	2018 (Mar)	5812.70	4.10	Run of River with Pondage
	<b>Total-A</b>	<b>5451</b>	<b>24674.14</b>		<b>39648.84</b>	<b>3.34</b>	<b>* Tariff for 2019-20 yet to be notified.</b>



# 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 31.03.2020	Tariff 19-20 (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 Stand-alone(A+B)</b>		<b>5551</b>	<b>24874.35</b>		<b>40269.83</b>	<b>3.35</b>	

## 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	1442.70	2005	4865.09	3.71	Storage
2	Omkareshwar, (8x65) Madhya Pradesh	520	677.47	2007	3152.66	5.96	Storage
	<b>Total-C</b>	<b>1520</b>	<b>2120.17</b>		<b>8017.75</b>		<b>* Tariff for 2019-20 yet to be notified.</b>
<b>Grand Total-D:(A+B+C)</b>		<b>7071</b>	<b>26994.52</b>				

# NHPC: Projects Under Construction

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 – Sep'20 (Rs. Crore)	Expected Commissioning Schedule
Subansiri Lower (250X8) Assam/ Ar. Pradesh	2000	7422	Reservoir	6285.33 (Dec02)	19992.43 (Jan'20)	12517.11	FY 23-24 (Q-2)
Parbati II (200x4) Himachal Pradesh	800	3125	Run of River with small pondage	3919.59 (Dec01)	9897.59 (Apr'20)	8451.59	FY 21-22 (Q-4)
<b>Total (A)</b>	<b>2800</b>	<b>10547</b>		<b>10204.92</b>	<b>29890.02</b>	<b>20968.70</b>	

## Project Under Construction-Subsidiary

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	<b>Lanco Teesta Hydro Power Limited (wholly owned subsidiary of NHPC Ltd.)</b>				
i)	Teesta VI (4x125) Sikkim	500	2400	5748 (July'18)	<ul style="list-style-type: none"> <li>CCEA has accorded investment sanction on 08.03.2020 for acquisition of M/s Lanco Teesta Hydro Power Limited (LTHPL) and execution of balance works of the project.</li> <li>M/s LTHPL has been acquired by NHPC on 09.10.2019 &amp; its Board started functioning.</li> <li>02 Packages of Civil Works, 01 Package of HM works &amp; 04 packages of E&amp;M works awarded and tendering of balance packages is in process.</li> <li>Mobilization of manpower and machinery by the contractors affected due to COVID-19 Lockdown/restrictions. Free interstate movement have been allowed by Govt. of Sikkim from 01.10.2020. Civil contractors have partly mobilized. Contract agreement signed with Lot-I civil contractor. Planning &amp; establishment works including obtaining necessary approvals from State Administration being done by contractors. Land for permanent works, quarry, dumping have been handed over to both civil contractors. Preparatory works done for dewatering of HRT at Adit-III area.</li> </ul>
<b>TOTAL (B)</b>		<b>500</b>	<b>2400</b>	<b>5748</b>	

Project Under Construction-JV						
S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Expected Commissioning Schedule	Status
1	Chenab valley Power Projects Ltd. (JV between NHPC (49%) JKSPDC (49%), & PTC (2%))					
i)	Pakal Dul (4x250) J&K	1000	3330	8112 (Mar 13)	FY 25-26 (Q-2)	<ul style="list-style-type: none"> <li>Civil construction activities for Power House and Dam works are in progress.</li> <li>Letter of award for HRT-TBM Package issued on 03.07.2020.</li> </ul>
ii)	Kiru (4x156) J&K	624	2272	4288 (July18)	FY 24-25 (Q-2)	<ul style="list-style-type: none"> <li>LOA's for all the three packages have been issued on 24.02.2020.</li> <li>Contractors have started mobilisation after signing of agreement.</li> </ul>
<b>TOTAL (C)</b>		<b>1624</b>	<b>5602</b>	<b>12400</b>		
<b>Grand Total (A+B+C)</b>		<b>4924</b>	<b>18549</b>			



# NHPC Standalone Projects Under Clearance

S.No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
1	Kotli Bhel-IA (3x65) (Uttarakhand)	195	1025.50	2321 (Mar 19)	PIB had recommended the project for investment subject to clearance from Hon'ble SC for Uttarakhand Projects. Decision of Hon'ble SC is awaited.
2	Teesta-IV (4x130) (Sikkim)	520	2252	5811 (May 20)	All statutory clearances received except forest clearance (stage-II). FRA Compliance is underway. Approval for pre-investment activities is available. Cost Estimate at May, 2020 PL is under examination at CEA for vetting.
3	Dibang (12x240) (Ar. Pradesh)	2880	11223	29839 (Oct 19)	Concurrence to Project, Environment Clearance, Forest Clearance (Stage-I) and FRA clearance available. CCEA approval for Rs. 1600 crore to incur expenditure on pre-investment activities & balance clearances of the project accorded. FC (St-II) accorded on 12.03.2020. Cost estimate vetted by CEA on 22.05.2020. Further, Draft PIB memo incorporating reply to IFD comments submitted to MoP on 10.07.2020. As desired by JS (Hydro) in VC held on 18.09.2020, cost updation at current price level is under process.
4	Tawang -I (3x200) (Ar. Pradesh)	600	2963	5342 (Mar 19)	All statutory Clearances have been received except Forest clearance. FRA compliance is underway and Basin Study Report has been submitted and accepted. After receipt of Forest Clearance (Stage-I), the process for PIB / CCEA shall be initiated. Approval of Pre-investment activities is available.
5	Tawang -II (4x200) (Ar. Pradesh)	800	3622	6769 (Mar 19)	All statutory clearances received except forest clearance (stage-II). FRA Compliance is underway. Approval of pre-investment activities is available.
<b>Total</b>		<b>4995</b>	<b>21085.50</b>	<b>50082</b>	

# NHPC –JV Projects Under Clearance



## Projects Under JV

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Kwar (4x135) UT of J&K (JV between NHPC (49%) JKSPDC (49%), & PTC (2%))	540	1976	4948 (July18)	All clearances are available. Consent from Govt. of J&K for waiver of 12% free power & water usage charges is awaited for processing of PIB by MoP. Tendering is in process.
2	Ratle (4x205 +30) UT of J&K (JV between NHPC (51%) JKSPDC (49%))	850	3137	5282 (Nov 18)	<ul style="list-style-type: none"> <li>A MoU has been exchanged among NHPC Limited, Jammu &amp; Kashmir State Power Development Department (JKPDD) and J&amp;K State Power Development Corporation (JKSPDC) for execution of 850 MW Ratle Hydroelectric Project (Jammu &amp; Kashmir) in the august presence of Prime Minister of India on 3rd Feb 2019.</li> <li>Public Investment Board (PIB), during its meetings held on 09.03.2020 and 07.09.2020 discussed the project proposal. As per the recommendation of the PIB a supplementary MoU to the tripartite MoU already signed on 03.02.2019 is to be signed. The same is under process.</li> <li>Tendering for execution of Ratle H.E. Project through EPC mode is in progress.</li> </ul>
<b>TOTAL</b>		<b>1390</b>	<b>5113</b>	<b>10230</b>	

## Foreign Assignment Under JV Scheme

1	Chamkharchhu (Bhutan)	770	3344	7020.72 (Dec 16)	<ul style="list-style-type: none"> <li>Project to be developed by JVC of NHPC and DRUKGreen Power Corporation, Bhutan.</li> <li>Joint venture Agreement cum Share Holder's Agreement of proposed JV Company is ready for signing.</li> <li>SHA &amp; AOI shall be signed after finalisation of concession agreement with RGoB &amp; CCEA approval of Gol. Revised draft material for PIB Memorandum submitted to MoP on 23.06.2017 &amp; PIB memo circulated by MoP on 08.09.2017. Reply to all observations of various agencies stand submitted.</li> <li>NHPC vide letter dated 23.06.2020 has requested MoP to take up the issue of finalization of Concessional Agreement with MEA.</li> <li>PIB memo circulated by MOP on 08.09.2017. Comments of CEA, MEA, NITI Aayog, DOE (MoF), DEA (MoF) have been replied. MOP on 01.02.18 was requested to take up the matter with MEA for finalization and signing of concession Agreement with DGPC, Bhutan.</li> </ul>
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**JV Grand Total**

**2160**

**8457**

**17250.72**

## Projects Under Subsidiary

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Loktak D/S (2x33) Manipur <b>(JV between NHPC (74%) &amp; Govt. of Manipur (26%))</b>	66	333.76	1329 (Jul 20)	<ul style="list-style-type: none"> <li>All statutory clearances of project except CCEA are available.</li> <li>Tendering of all major works is in process.</li> <li>Draft PIB Memo submitted to MoP on 13.10.2020. The same has been forwarded by MoP to CEA on 19.10.2020 for examination and vetting of the proposal on latest PL with a request to NHPC to co-ordinate the matter with CEA and furnish the updated cost estimate to CEA for examination at the earliest.</li> <li>Updated project hard cost at July,20 PL cleared by CEA on 01.11.2020. Further IDC calculation, Phasing and tariff sheet as per latest vetted cost submitted to CEA on 02.11.2020</li> <li>Reply to F&amp;CA, CEA comments on the draft PIB furnished on 03.11.2020. HPA vide letter dtd 04.11.2020 has vetted the phasing of Hard Cost of Project.</li> </ul>
<b>TOTAL</b>		<b>66</b>	<b>333.76</b>	<b>1329</b>	



S. No.	Projects	State	Installed Capacity (MW)	Status
<b>Projects Under FR/DPR Preparation</b>				
1	Garba Tawaghat	Uttarakhand	630	<ul style="list-style-type: none"> <li>Implementation of the project is hold due to the following reasons:                             <ol style="list-style-type: none"> <li>To take up the matter at appropriate forum for obtaining consent of Govt. of Nepal.</li> <li>Issuance of final Notification of boundary of Eco-Sensitive zone of Askot Wildlife Sanctuary by MoEF.</li> </ol> </li> <li>MoP is pursuing the matter for 8<sup>th</sup> JWG/JSC meeting.</li> </ul>
2	Bursar	UT of J&K	800	<ul style="list-style-type: none"> <li>DPR has been submitted to CEA on 06.01.17 &amp; is under examination at CEA/CWC.</li> <li>Defence clearance, wildlife clearance accorded.</li> <li>Environment clearance recommended by MoEF&amp;CC, issue of EC letter pending for Forest clearance. Forest clearance is in process.</li> </ul>

S. No.	Projects	State	Installed Capacity (MW)	Status
<b>Projects Under FR/DPR Preparation</b>				
3	Dugar	Himachal Pradesh	500*	<ul style="list-style-type: none"> <li>Revised proposal for pre-investment activities amounting to Rs. 89.41 crs. submitted to MoP on 07.10.2020. All queries stand replied.</li> <li>NIT for EIA &amp; EMP Studies issued on 09.09.2020. Bids opened on 13.10.2020.</li> <li>DPR is likely to be submitted by Nov'2020.</li> </ul> <p>*Project Installed capacity increased from 449 MW to 500 MW as per Power Potential Study by HPA, CEA dt. 22.10.2020.</p>
4	Goriganga-III A	Uttarakhand	150	<ul style="list-style-type: none"> <li>ToR for the project available. EIA /EMP studies in process.</li> <li>Final notification for Demarcation of Eco-sensitive zone for Ascot wildlife Sanctuary is yet to be notified.</li> <li>DPR prepared and submitted to CEA on 30.03.18/02.04.2018. CEA accepted the DPR for appraisal on 07.05.2018 and checking in different Directorates of CEA/CEC is in progress.</li> </ul>
<b>Total</b>			<b>2080</b>	



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