



Clean Power For Every Home



INVESTOR PRESENTATION FINANCIAL YEAR 20-21 : March 2021



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



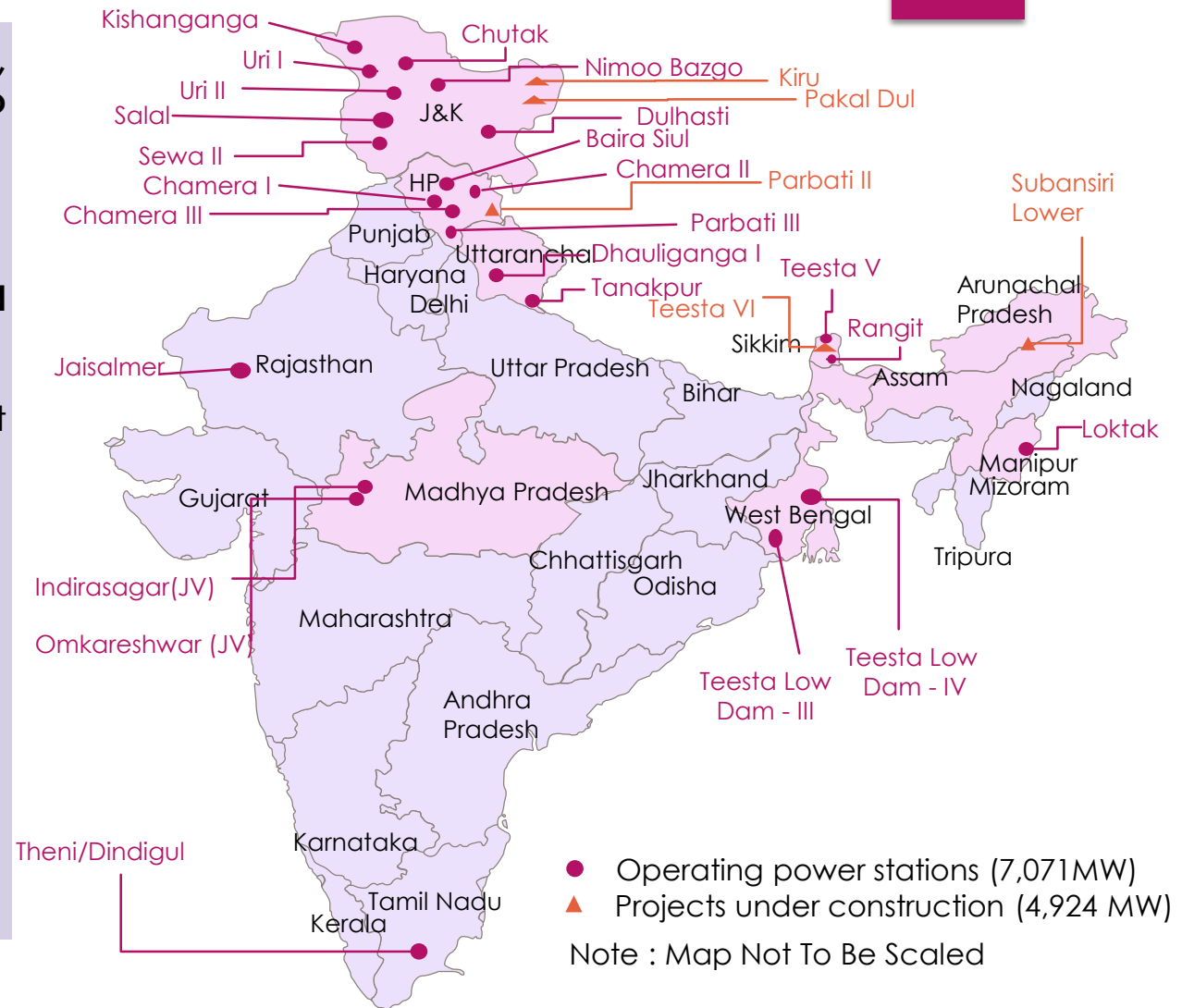
Teesta V, Sikkim

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 46,209 MW*).
 - Consultancy business.
 - Power trading business.
 - Exposure to international business opportunities.

* Source-CEA as on 31.03.2021



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. (6656 MW)
 - Joint Venture - 4 Nos. (3090 MW)
 - Subsidiary – 1 No. (66 MW)

Under Pipeline

- ❖ Projects under Pipeline 6 Nos. (2578 MW)

Hydro Power is 12% (46209 MW) of All India Installed Capacity (382151 MW**).

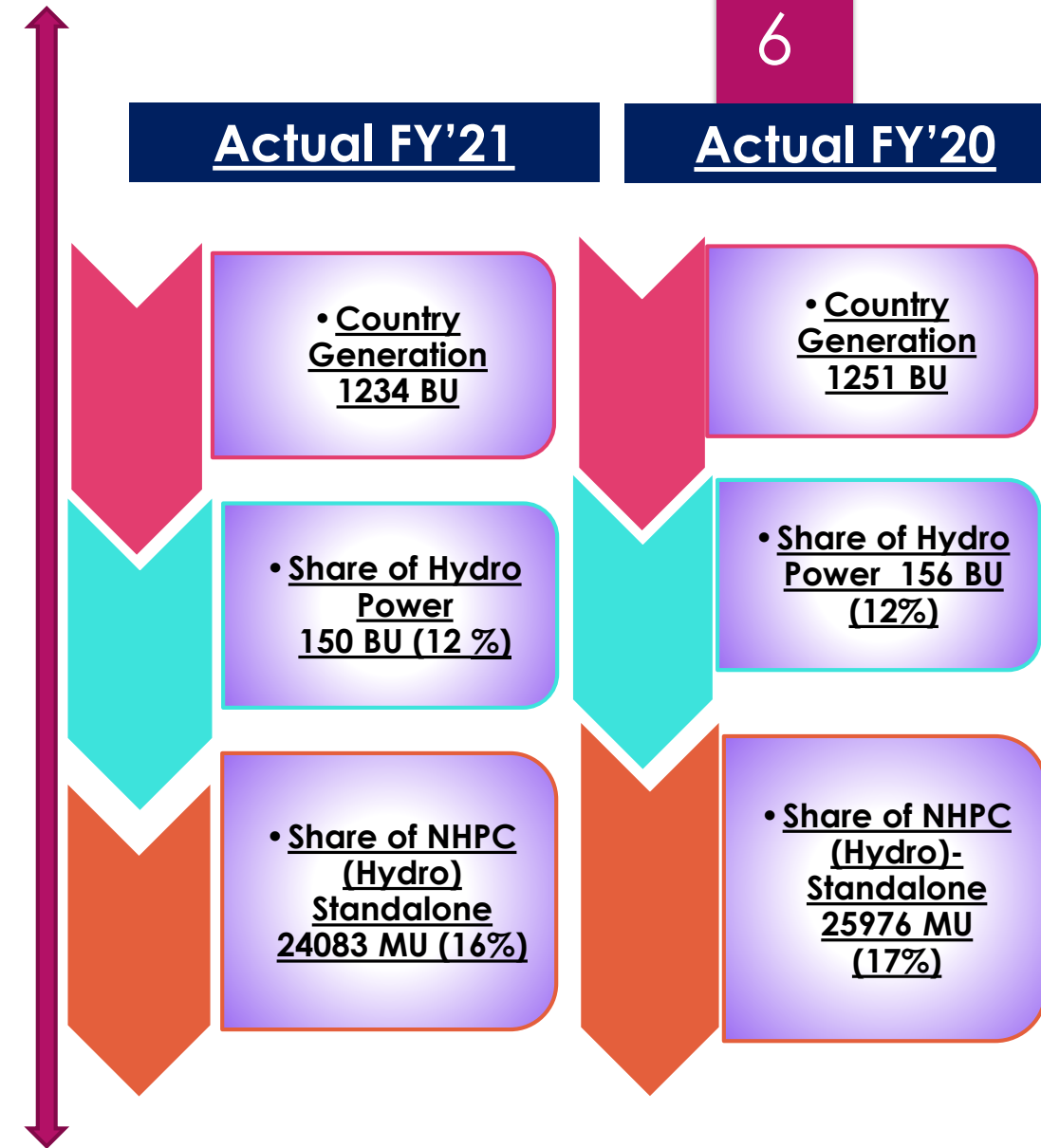
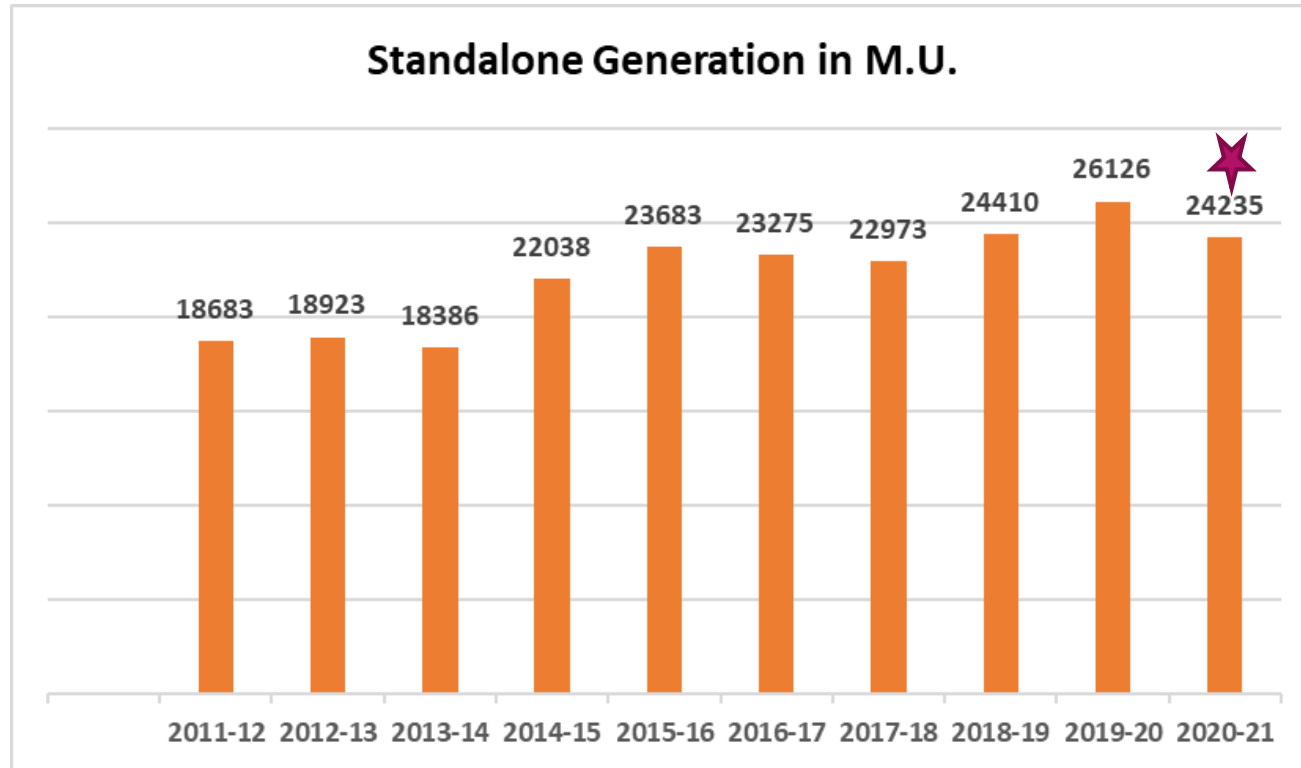
NHPC Contribution is 15% of Installed Hydro Power On Consolidated Basis.

Status	Capacity (MW)
Operational Projects	7,071
Projects Under Construction (including Subsidiary & JV)	4,924
Projects Under Clearance:	
Stand alone	6,656
JV Projects	3,090
Subsidiaries	66
Projects Under Pipeline	2,578
Total	24,385

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

** Source-CEA as on 31.03.2021

NHPC 's Track Record – A Ten Year Digest



★ Hydro: 24083 MU(excl. infirm power of 236 MUs : Parbati II), Wind: 62 MU & Solar: 90 MU.

Financial Highlights



Sewa II, J&K



Chamera I, Himachal

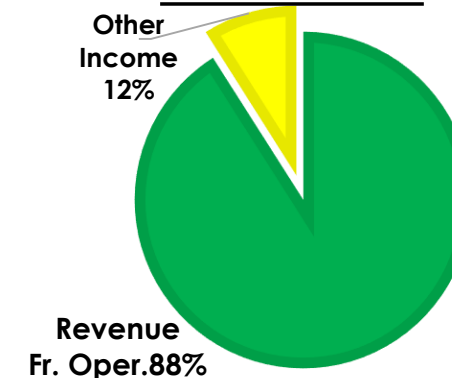
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Financial Highlights : Standalone

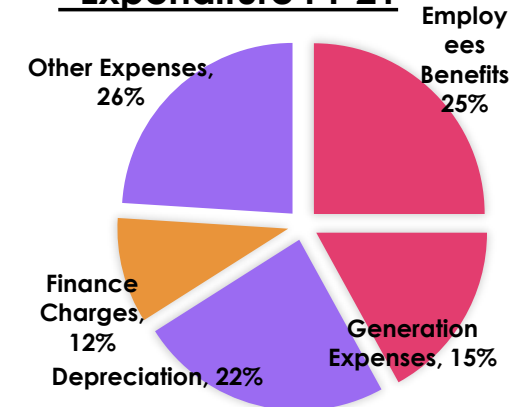
Particulars	FY'21		FY'20		% Change	
	12 Months	Qtr-4	12 Months	Qtr-4	12 Months	Qtr-4
Revenue from Operation	8506.58	1341.48	8735.15	1913.43	-2.62	-29.89
Other Income	1150.81	436.45	1036.44	385.14	11.03	13.32
Total Income (A)	9657.39	1777.93	9771.59	2298.57	-1.17	-22.65
Purchase of Power - Trading	212.37	0.00	234.13	151.12	-9.29	-100.00
Generation Expenses	854.37	131.18	901.67	166.05	-5.25	-21.00
Employee Benefits Expense	1409.26	360.51	1515.52	382.59	-7.01	-5.77
Finance Cost	649.59	214.98	795.42	151.18	-18.33	42.20
Depre. & Amort. Expense	1234.50	236.12	1545.34	385.76	-20.11	-38.79
Other Expenses	1425.89	416.52	1514.95	654.45	-5.88	-36.36
Total Expenditure(B)	5785.98	1359.31	6507.03	1891.15	-11.08	-28.12
Exceptional Items (C)	185.00	0.00	0.00	0.00	0.00	0.00
Rate Regu. Income (D)	227.09	114.12	343.61	40.66	-33.91	180.67
PBT (A-B-C+D)	3913.50	532.74	3608.17	448.08	8.46	18.89
Tax	680.13	128.53	601.00	65.17	13.17	97.22
Profit After Tax	3233.37	404.21	3007.17	382.91	7.52	5.56

Revenue & Expenditure-Analysis

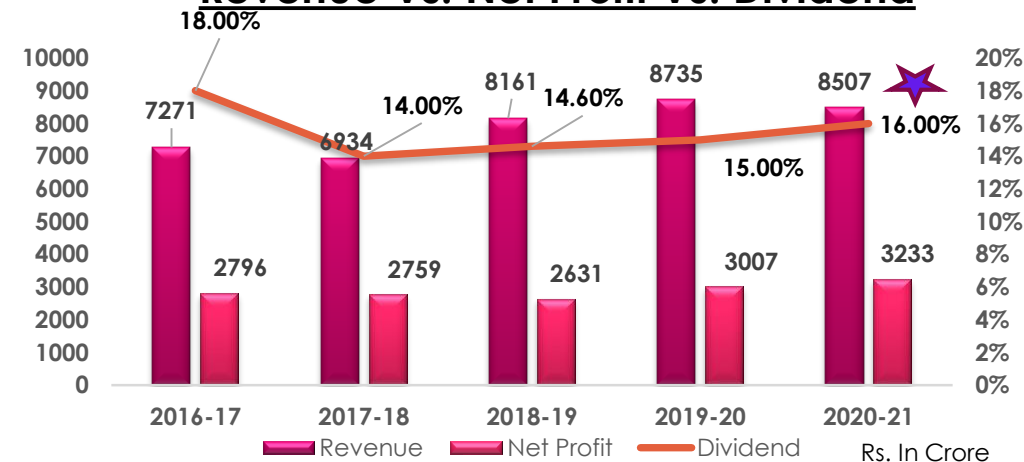
Revenue FY'21



Expenditure FY'21



Revenue Vs. Net Profit Vs. Dividend



★ Interim Dividend - 12.50% & Final Dividend 3.50%.

Statement of Assets & Liabilities

Rs. In Crore

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Equity and Liabilities	FY'21	FY'20
Share Holder's Funds	31647.31	29983.81
Loan Funds-Long Term	21241.22	20889.74
Deferred Tax Liabilities	3589.36	3641.19
Other Long term Liabilities & Provisions	4117.32	4169.54
Current Liabilities & Provisions	5706.82	5929.24
Total Equity & Liabilities	66302.03	64613.52
ASSETS		
PPE (incl. investment property)	19168.10	21467.82
Capital Work in Progress	17754.48	16097.65
Right of Use Assets	1752.92	1826.98
Intangible Asset	3.52	0.72
Non Current Financial Asset	9782.22	7635.30
Non Current Assets (Others)	3560.71	3174.31
Regulatory Asset	7063.31	6836.22
Trade Receivables	3206.02	3585.12
Cash and Bank Balances	913.96	389.12
Current Assets (Others)	3096.79	3600.28
Total Assets	66302.03	64613.52

Debtors Position

Rs. In Crore

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Total Debtors (in Crs.)

S. N.	Particulars	As on 31.03.2021	As on 31.12.2020	As on 30.09.2020	As on 30.06.2020	As on 31.03.2020
1	Trade Receivables	3206	4059	4860	4442	3585
2	More than 45 days*	1804	3233	3574	3434	2933

Top Five Debtors* (in Crs.)

Name	31.03.2021		31.03.2020	
	Total	More than 45 days	Total	More than 45 days
PDD, J&K (Incl. JKPCCL)	1147	986	1305	1389
WBSEDCL	847	46	114	77
UPPCL, UP	462	298	1283	1221
PSPCL, Punjab	333	215	138	102
JDVNL	128	68	153	142

* 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	46.88	146.93	216.61	0.00	36.34	64.35	227.70	328.39
2	Incentives	148.25	136.54	75.11	49.74	409.64	141.63	113.12	91.37	14.83	360.95
3	Deviation Chrgs.	34.58	44.51	39.42	38.45	156.96	19.14	34.33	34.47	42.94	130.88
	G. Total	182.83	203.85	161.41	235.12	783.21	160.77	183.79	190.19	285.47	820.22
4	PAF	90.98%	91.65%	83.11%	73.51%	84.87%	90.97%	90.03%	81.44%	73.71%	84.04%

Supplements

Power Station With Highest PAF Incentive : Uri-II (Rs. 90 Cr. PAF : 100.70%, NAPAF : 70%)

Power Station with highest Deviation Charges: Salal (Rs. 44 Cr.)

Power Station Giving Best Generation : Uri-II (145% of the annual design energy)

Supplements

Power Station with Highest PBT- Dulhasti (Rs. 617 Crs)

NHPC Profit per MW: Rs. 58 lakhs (FY'21), Rs. 54 lakhs (FY'20)

NHPC Profit per Employee: Rs. 58 lakhs (FY'21), Rs. 49 lakhs (FY'20)

Key Financials : FY'21

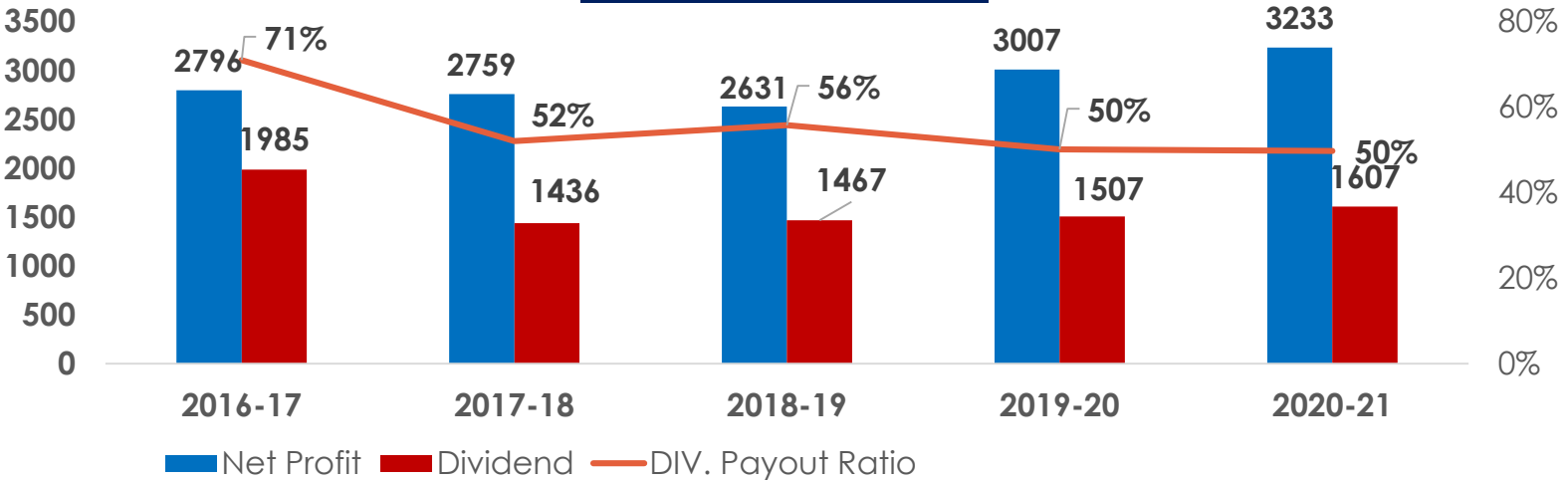
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₹ In Crore

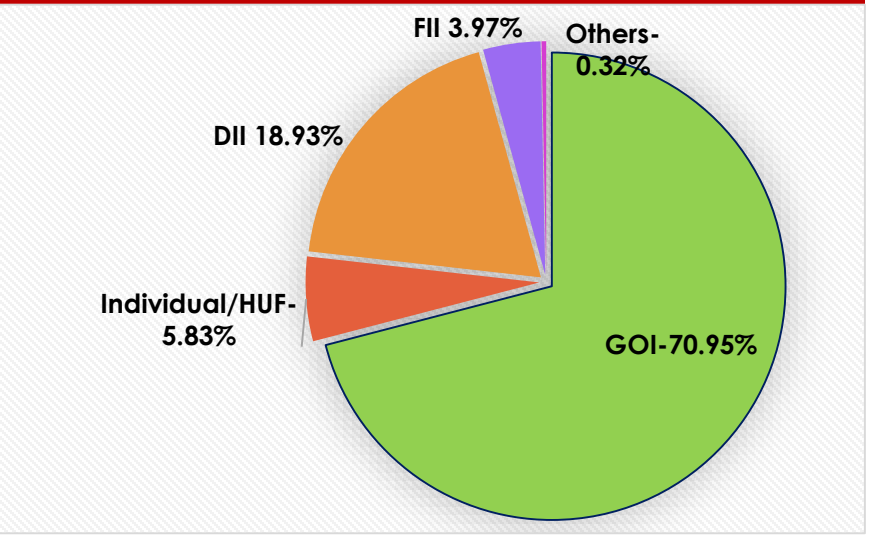
P&L	Standalone
Total Income	9657
EBITDA	5718
EBITDA Margin	59%
PAT	3233
Profit Margin	33%
Dividend Pay Out (FY'21)	Rs. 1.60 Per Share/ 50% of Profit

Balance Sheet	Standalone
Share Capital	10045
Net worth	31647
Long Term Debt	21241
Cash & Bank Bal.	914
Gross Block	38757
CWIP	17754

Dividend Pay out



Shareholding pattern as on 31.03.2021



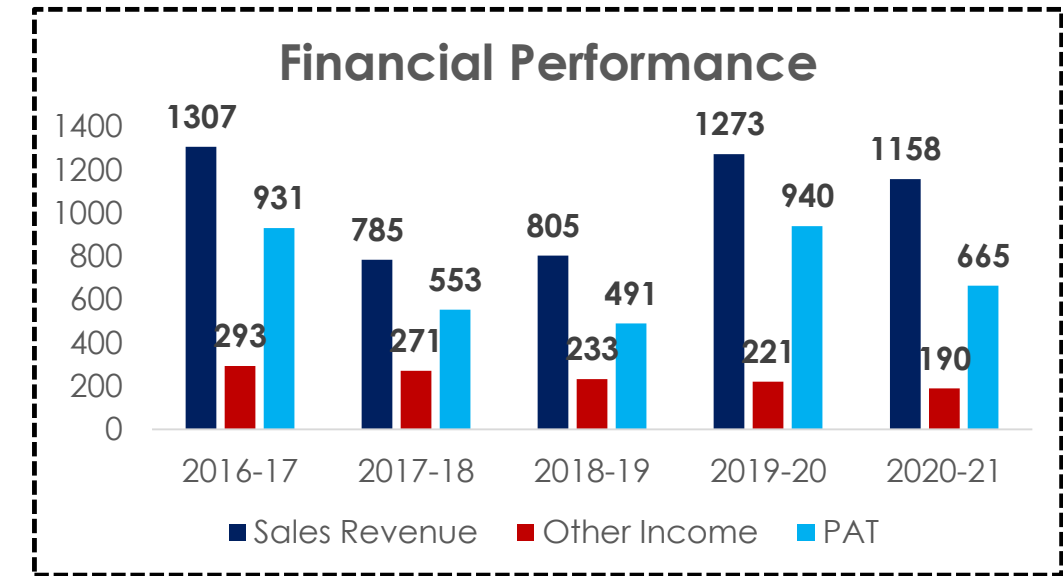
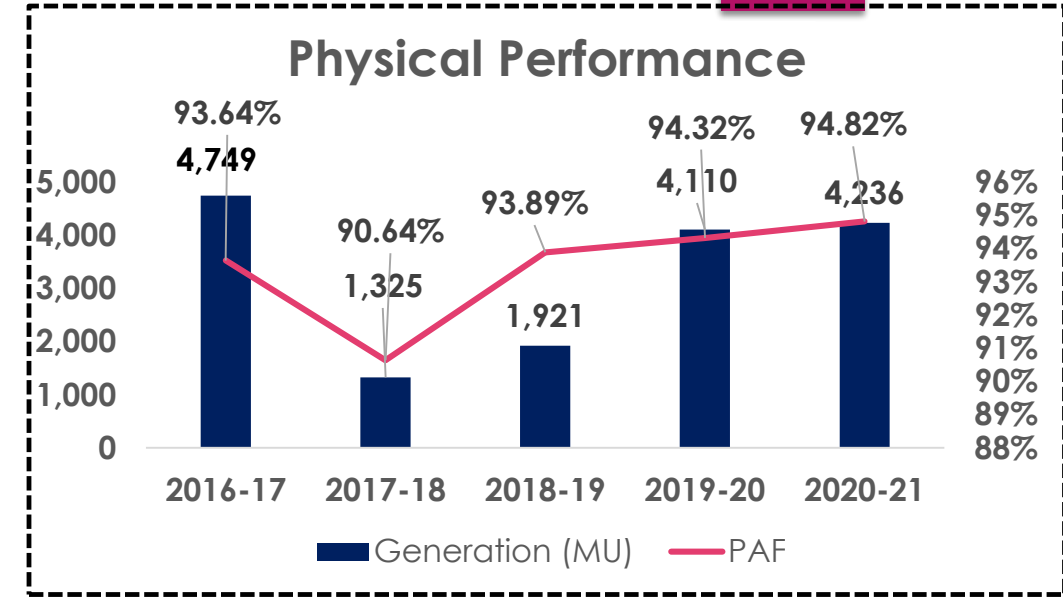
NHPC – Key Ratios

S. No.	Particulars	FY'21		FY'20	
		Standalone	Consolidated	Standalone	Consolidated
1.	PAT (Rs. in Cr.)	3233.37	3257.00	3007.17	2884.92
2.	Net-worth (Rs. in Cr.)	31647.31	33090.29	29983.81	31380.92
3.	No. of Equity Shares (In Cr.)	1004.50	1004.50	1004.50	1004.50
4.	EPS (Rs.)	3.22	3.24	2.99	2.87
5.	Earning Yield(%)*	11.97	12.04	14.99	14.39
6.	Dividend Per Share (Rs.)	1.60		1.50	
7.	Dividend Yield(%)*	5.95		7.52	
8.	Book Value per share (Rs.)	31.51	32.94	29.85	31.24
9.	PB Ratio*	0.85	0.82	0.67	0.64
10.	PE Ratio*	8.35	8.30	6.67	6.95
11.	Return On Net worth (%)	10.22	9.84	10.03	9.19
12.	Market Capitalisation (Rs. in Cr.)*	27021		20040	
13.	Debt Equity Ratio	0.78	0.75	0.82	0.78

* Stock Price (BSE): as on 08.06.2021 Rs. 26.90 & as on 31.03.2020 Rs. 19.95.

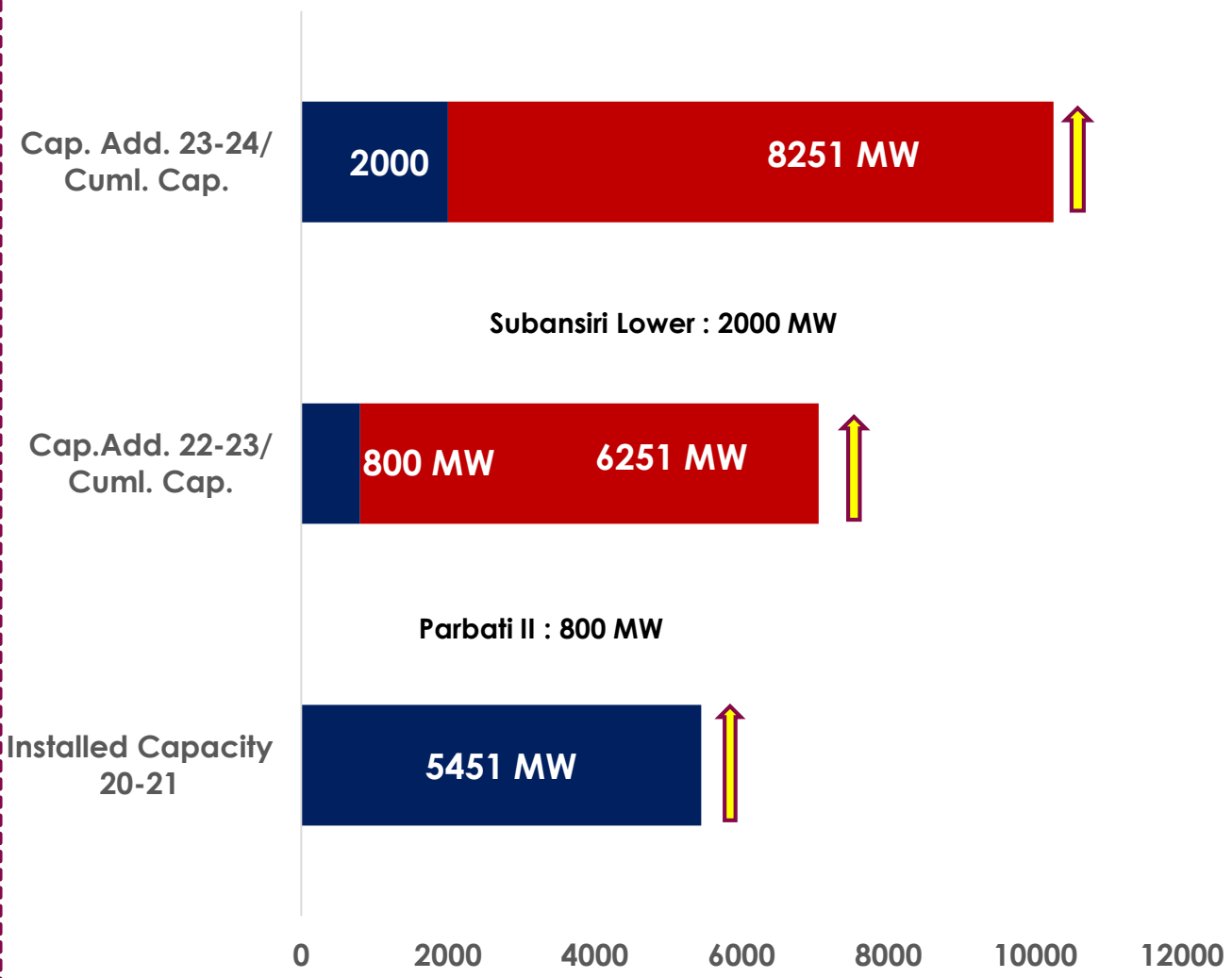
NHDC Ltd. (Subsidiary) – Snapshots : FY 20-21

- Shareholding Pattern : 51:49 (NHPC : GoMP)
- Installed Capacity : 1520 MW
- Design Energy : 2092.76 MUs
- Generation : 4236 MUs (FY'21), 4110 MUs (FY'20)
- PAF : 94.82% (FY'21), 94.32% (FY'20)
- Revenue from operations : Rs. 1158 Crs. (FY'21), 1273 Crs. (FY'20)
- PAT : 665 Crs. (FY21), 940 Crs. (FY20)
- PAF Incentive : Rs. 34 Crs. (FY 21), Rs. 32 Crs. (FY 20)
- Secondary Energy : Rs. 254 Crs. (FY 21), Rs. 235 Crs. (FY 20)

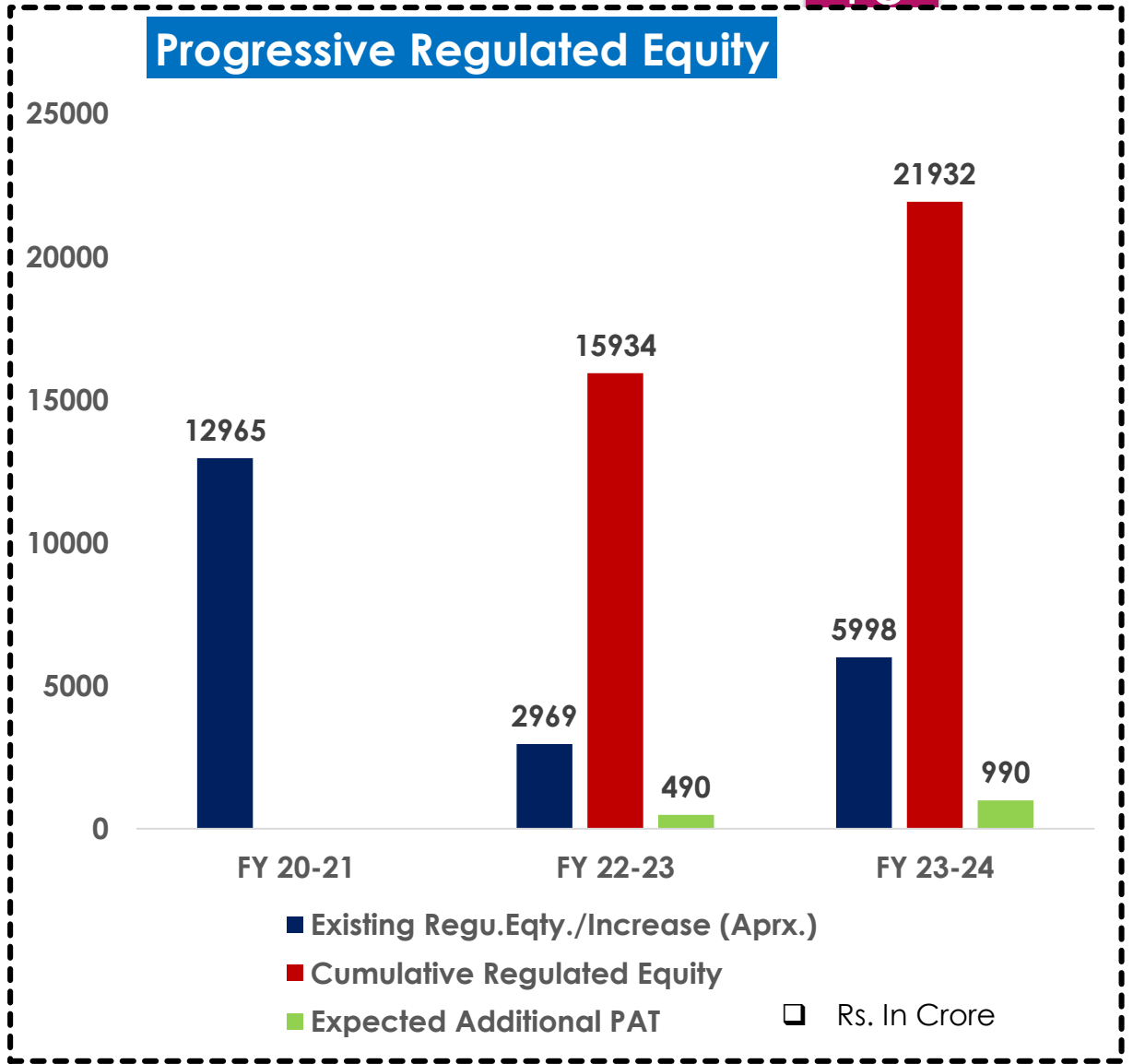


NHPC – Capacity Addition & Regulated Equity (Hydro)

Progressive Capacity Addition



Progressive Regulated Equity



Power Station with highest generation during FY'21 : Salal (3632 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	3568	(Actual)
2021-22	9104	(BE)



- ❖ In principal Approval has been obtained from Ministry 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 District 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) had 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). Ministry of Power vide letter dated 11.02.2021 has conveyed the Government investment sanction for implementation of Ratle HE Project at an amount of Rs.5281.94 crore.
- ❖ MOUs have been signed with Jammu and Kashmir State Power Development Corporation Limited (JKSPDCL) on 03.01.2021 for execution of Kirthai-II HEP (930 MW), Sawalkot HEP (1856 MW), Uri-I (Stage-II) (240 MW), Dulhasti (Stage-II) (258 MW) HEP and Ratle HEP (850 MW) in Union Territory of Jammu & Kashmir.
- ❖ Chutak and Nimoo Bazgo Power Stations of NHPC have been certified under Clean Development Mechanism (CDM) of United Nation Framework Convention on climate Change (UNFCCC). CDM Registry, UNFCCC have issued 59811 and 141423 Certified Emission Reductions (CERs) for the CDM Project activity of these power stations respectively.
- ❖ NHPC has diversified its portfolio to include Solar Power business and has given Letter of Awards (LOAs) to Solar Power Developers for interstate transmission system (ISTS) grid connected photovoltaic projects aggregating to 2000 MW installed capacity. Power Purchase Agreements (PPAs) & Power Sell Agreements (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 margin @ Rs 0.07/KWh during the contract period.
- ❖ NHPC has emerged as successful bidder with a bid of Rs 165 crore in respect of Jal Power Corporation's Rangit project (120MW) in Sikkim. The Hon'ble NCLT Hyderabad has approved NHPC's Resolution Plan vide its order dated 24.12.2020. The Definitive Agreement for implementation of the Approved Resolution Plan was signed on 13.01.2021. Govt. of India on 30.03.2021 accorded investment approval for this acquisition and construction of balance work of the project by NHPC with estimated cost of Rs. 938.29 Crore.

Other Business Initiative

☐ Solar Energy



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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 : >=74:<=26

Current Status: BSUL has issued Letter of Award on 17.03.2021 to M/s Reflex Energy Limited for EPC Contract for development of Kalpi Solar Power Project (65 MW) along with comprehensive O&M for 10 years.

50 MW Floating Solar Project, Kerala

- MNRE conveyed in-principle approval on 08.12.20 for setting up of 50 MW Floating Solar by NHPC under Mode 8 of Solar Park Scheme.
- Tender for EPC contract was earlier finalized, but while transfer of land to NHPC and signing of PPA was in process, L1 bidder refused to extend the validity of bid beyond 09.03.2021.

Current Status: NHPC vide letter dated 18.03.2021 has requested in-principle approval from KSEB for retendering. Fresh tender for EPC Contract shall be floated upon receipt of in-principal consent of 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.

Current Status : PPA has been signed between NHPC and State Discom, GRIDCO on 19.05.2021 and LOA for EPC Contract has also been issued to M/s Tata Power Solar Systems Limited on 24.05.2021. EPC contract for 100 MW to be floated once consent for PPA is obtained from GRIDCO.

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.
- Letter of Awards have been issued for entire 2000MW. PPA and PSA also signed for entire 2000 MW.
- Current Status.** Developers have obtained Stage-II connectivity and are in process of acquiring land. Projects are scheduled to be commissioned by March/April, 2022

2200 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). Development in other States (like Uttar Pradesh and Rajasthan) also being explored.
- Odisha (500 MW):** MoU between NHPC and GEDCOL has been signed on 20.07.2020 for development of 500 MW Floating Solar Projects in various reservoirs of Odisha under JV Mode. Draft JV/Promoters Agreement/ AOA/ MOA for formation JV Company have been finalised between NHPC and GEDCOL. Formation of JV Company is under process. MNRE conveyed in-principle approval on 08.12.20 for setting up of 100 MW Floating Solar (1st Phase) by the proposed JV Company under Mode 8 of Solar Park Scheme. NHPC has awarded the work of DPR preparation for 100 MW in Rengali Reservoir. Draft DPR prepared and is under finalization.
- Uttar Pradesh (1200 MW) through BSUL:** MNRE vide letter dated 17.09.2020 conveyed its "In-principle approval". Land acquisition, connectivity approval and award of work for DPR preparation is in process by BSUL.
- Telangana (500 MW):** 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.

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 31.03.21	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	2.34	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	2.10	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	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 31.03.21	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	8.73	ROR
15	TLDP-III, (4x33) West Bengal	132	594.07	2013 (Mar)	1931.49	5.91	ROR with small pondage
16	Nimoo Bazgo, (3x15) Jammu & Kashmir	45	239.33	2013 (Jan)	1073.96	10.03	ROR with small pondage
17	Uri –II, (4x60) Jammu & Kashmir	240	1123.77	2014 (Feb)	2443.78	5.14	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	4.62	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	3.43	* Tariff for 2019-20 and 2020-21 yet to be notified.

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	3.44	

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

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 – Mar'21 (Rs. Crore)	Expected Commissioning Schedule
Subansiri Lower (250X8) Assam/ Ar. Pradesh	2000	7422	Run of River	6285.33 (Dec02)	19992.43 (Jan'20)	13537.76	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)	8866.70	FY 22-23 (Q-2)
Total (A)	2800	10547		10204.92	29890.02	22404.46	

Project Under Construction-Subsidiary

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Expected Commissioning Schedule	Status
1	Lanco Teesta Hydro Power Limited (wholly owned subsidiary of NHPC Ltd.)					
i)	Teesta VI (4x125) Sikkim	500	2400	5748 (July'18)	FY 23-24 (Q-4)	<ul style="list-style-type: none"> 01 Package of Civil Works(Lot-1), 01 Package of HM works (Lot-III) & 06 packages of E&M works(EM-I, EM-II, EM-III, EM-V, EM-VII & EM-VIII) awarded and tendering of balance packages (EM-IV & EM-VI) is in process. The LOA of Lot II Civil Contractor has been annulled on 06.11.2020 due to non-submission of PBG within stipulated period. Fresh tender for the same is in process. <p>Civil Works Lot-I:</p> <ul style="list-style-type: none"> Barrage: Silt Removal from De-Silting Basin Area is in Progress. Concrete cutting with diamond wire saw is in progress. Adit-1: Preparatory works to start tunneling in progress. Adit II: Tackling of cavity in progress. Excavation for U/S Cofferd Dyke Toe Wall, Laying of Gabions, toe wall concreting, Zone 3B filling of U/S coffer dyke in progress. D/S coffer Dyke Filling: Zone 3B, Zone-II, Zone-I (Clay) in progress. Laying of Gabions for Toe Wall, Concreting of Toe wall in progress. RCC wall demolition at left side of D/s of Desilting Basin completed. <p>HM Works</p> <ul style="list-style-type: none"> All HM materials have been taken over by contractor after physical verification Buffing work of ferruls is in progress. Chipping/breaking work of 2nd stage concrete of Radial gate bottom seal beam, U/s Stop log gate bottom seal beam at Bay No#3 completed. Trunnion assembly dismantling in aby no. 3 & 4 completed.
TOTAL (B)	500	2400	5748			

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"> Civil construction activities for Power House and Dam works are in progress. Letter of award for HRT-TBM Package issued on 03.07.2020. Detailed Engineering of TBM & segment design are in progress.
ii)	Kiru (4x156) J&K	624	2272	4288 (July18)	FY 24-25 (Q-2)	<ul style="list-style-type: none"> LOA's for all the three packages have been issued on 24.02.2020. Civil works started. Detailed Engineering of HM & EM components are in progress.
TOTAL (C)		1624	5602	12400		
Grand Total (A+B+C)		4924	18549			

NHPC Standalone Projects Under Clearance



S.No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
1	Teesta-IV (4x130) (Sikkim)	520	2252	5667 (May 20)	All statutory clearances received except forest clearance (stage-II). FRA Compliance is underway. Approval for pre-investment activities is available. CEA vide letter dated 10.12.2020 vetted the hard cost of Rs 4820.87 crore. Phasing of Hard cost, IDC & FC and tariff calculation has been submitted to CEA on 15.12.2020 which is under process of approval.
2	Dibang (12x240) (Ar. Pradesh)	2880	11223	30440 (Aug 20)	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. Matter regarding cost of compensation for land acquisition is subjudice. CEA vetted the hard cost of Rs 25551.74 crore on 18.03.2021. Accordingly IDC, Tariff and EIRR/FIRR calculation on the basis of vetted hard cost and phasing submitted to CEA on 12.04.2021 which is under examination at CEA.
3	Tawang -I (3x200) (Ar. Pradesh)	600	2963	5911 (Nov 20)	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.
4	Tawang -II (4x200) (Ar. Pradesh)	800	3622	7515 (Nov 20)	All statutory clearances received except forest clearance (stage-II). FRA Compliance is underway. Approval of pre-investment activities is available.
5	Sawalkot (UT of J&K)	1856	7995	20872 (Nov 20)	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. The project is under handover/takeover stage.
Total		6656	28055	70405	

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	4633 (Sept'20)	<ul style="list-style-type: none"> All clearances are available. UT of JK 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. Draft PIB Note has been circulated by MoP amongst various ministries vide O.M. No. 14/3/221-Fin dt 15.02.2021. The comments of CEA, Department of Expenditure, Department of Economic Affairs, MoF and MOEF&CC have been replied by NHPC to MoP on 25.02.2021, 16.03.2021, 07.04.2021 and 16.04.2021 respectively. CWC vide letter dated 23.03.2021 intimated that CWC has no objection to the Draft PIB note. The draft PIB note is under examination at NITI Ayog. CEA vide letter dated 18.03.2021 has vetted the cost estimate amounting to Rs 4633.30 cr at Sept'20 PL incorporated in PIB memo circulated by MoP. NHPC vide letter dt. 27.02.2021 requested UT of J&K to convey the consent to the PIB note without the provision of subordinate debt. Further MoP vide letter dt. 03.03.2021 has requested JKSPDC again to convey the consent. JKSPDC vide letter dt. 03.03.2021 has requested MoP to furnish the tariff scenario with various viability options & justifications for changes being proposed. As desired by JKSPDC various alternative cost and tariff scenario furnished to UT of J&K / JKSPDC vide email dated 04.03.2021. Further, NHPC vide letters dated 09.03.2021 & 15.03.2021 has furnished various cost & tariff scenario desired by JKSPDC and requested to convey the consent for the draft PIB Note. The consent of JKSPDC is awaited.
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"> A MoU has been exchanged among NHPC Limited, Jammu & Kashmir State Power Development Department (JKPDD) and J&K State Power Development Corporation (JKSPDC) for execution of 850 MW Ratle Hydroelectric Project (Jammu & Kashmir) in the august presence of Prime Minister of India on 3rd Feb 2019. Public Investment Board (PIB), during its meetings held on 09.03.2020 and 07.09.2020 discussed the project proposal. A Supplementary MoU to the initial MoU has been finalized in line with the recommendations of the PIB and signed on 03.01.2021. MoP vide letter dated 11.02.2021 has conveyed the Government investment sanction for implementation of Ratle HE Project at an amount of Rs.5281.94 crore (Nov.2018 PL) by a Joint Venture Company to be incorporated between NHPC and JKSPDC where in the share of NHPC shall not be brought below 51% and that of JKSPDC share shall not be brought below 49%. Also a grant of Rs.776.44 crore for equity contribution of JKSPDC in JVC has been sanctioned by GoI. The Promoter's agreement signed on 13 April 2021 for formation of new JVC i.e. "RATLE HYDROELECTRIC POWER CORPORATION LIMITED". The other codal formalities for formation of new JVC are under process. The Tendering works for execution of through EPC mode is in progress.
3	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.
TOTAL		2320	8555	16299	

Projects Under JV

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
Foreign Assignment Under JV Scheme					
1	Chamkharchhu (Bhutan)	770	3344	7021 (Dec 16)	<ul style="list-style-type: none"> Project to be developed by JVC of NHPC and DRUKGreen Power Corporation, Bhutan. Joint venture Agreement cum Share Holder's Agreement of proposed JV Company is ready for signing. SHA & AOI shall be signed after finalisation of concession agreement with RGoB & CCEA approval of Gol. Revised draft material for PIB Memorandum submitted to MoP on 23.06.2017 & PIB memo circulated by MoP on 08.09.2017. Reply to all observations of various agencies stand submitted. NHPC vide letter dated 23.06.2020 has requested MoP to take up the issue of finalization of Concessional Agreement with MEA. 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. Concession Agreement was sent to Druk Green Power Corporation on 15.01.2021 for seeking in principle consent from DHPS, RGOB. In reply, DGPC refused to give consent vide their letter dt 20.01.2021.
JV Grand Total		3090	11899	23320	

Projects Under Subsidiary

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Loktak D/S (2x33) Manipur (JV between NHPC (74%) & Govt. of Manipur (26%))	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 based on CEA vetted cost estimate circulated by MoP to various appraising agencies on 28.01.2021. ▪ Reply to comments of NITI Aayog, DoE, DoEA, MoEF, CEA stands submitted to MOP by NHPC. ▪ Govt of Manipur vide letter dated 15.04.2021 conveyed its consent to the draft PIB Memo.
TOTAL		66	333.76	1311	

NHPC –Projects Under Pipeline



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 the following reasons:<ul style="list-style-type: none">a) To take up the matter at appropriate forum for obtaining consent of Govt. of Nepal.b) Issuance of final Notification of boundary of Eco-Sensitive zone of Askot Wildlife Sanctuary by MoEF.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.
2	Bursar	UT of J&K	800	<ul style="list-style-type: none">DPR has been submitted to CEA on 06.01.17 & is under examination at CEA/CWC.Defence clearance, wildlife clearance accorded.Environment clearance recommended by MoEF&CC, issue of EC letter pending for Forest clearance. Forest clearance is in process.

NHPC –Projects Under Pipeline



S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
3	Dugar	Himachal Pradesh	500*	<ul style="list-style-type: none"> State Government on 07.08.2018 conveyed their decision to allot Dugar HE Project to NHPC on Build-Own-Operate and Transfer basis (BOOT) for a period of 70 years subject to certain terms & conditions. MoP on 24.07.2019 conveyed it's no objection for the development of Dugar HE Project (449 MW) by NHPC subject to accord of approval from PIB/CCEA for investment etc. Thereafter, a MoU was signed on 25.09.2019 between NHPC and Govt. of Himachal Pradesh for implementation of the Dugar HE Project (449 MW) by NHPC on BOOT basis for a period of 70 years. *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. A Presentation was given to CEA on 20.01.2021 for formal acceptance of DPR. Acceptance letter has been obtained from CEA on 10.02.2021. DPR is under examination at CEA/CWC. Amendment in TOR was sought from MoEF&CC, which was recommended by EAC of MoEF&CC in its meeting held on 02.12.2020. Revised TOR issued by MoEF & CC on 08.02.2021 EIA / EMP study has been awarded on 04.01.2021.
4	Goriganga-III A	Uttarakhand	150	<ul style="list-style-type: none"> ToR for the project available. EIA /EMP studies in process. Final notification for Demarcation of Eco-sensitive zone for Ascot wildlife Sanctuary is yet to be notified. DPR prepared and submitted to CEA on 30.03.18/02.04.2018. Project removed from appraisal list by CEA on account of high tariff (LT - Rs. 8.35/unit).

NHPC –Projects Under Pipeline

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S. No.	Projects	State	Installed Capacity (MW)	Status
Projects Under FR/DPR Preparation				
5	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- 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.
6	Dulhasti Stage-II	UT of Jammu & Kashmir	258	<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.
Total			2578	



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