



INVESTOR PRESENTATION

NHPC Today

Financial Highlights

Other Business Development Initiatives

Financial Ratios

Projects At a Glance

NHPC-Today

A Mini Ratna Category-I Enterprise of Govt. of India with a Paid Up Capital of Rs. 11070.67 Crore.



NHPC –Physical Snapshot

- ✓ **Projects Completed on Standalone basis-18 Nos. (4987 MW)**
- ✓ **Projects Completed with Subsidiary 2 Nos. (1520 MW)**
- ❖ **Total Operational Projects – 20 Nos. (6507 MW)**
- **Projects Under Construction 4 Nos. (3290 MW)**
- **Projects Awaiting Clearances –**
 - ❑ Standalone - 5 Nos. (5115 MW)
 - ❑ Joint Venture - 3 Nos. (2120 MW)
 - ❑ Subsidiary – 1 Nos. (66 MW)
- **Projects in Pipeline 4 Nos. (2120 MW)**

**Hydro Power is 16% of
All India Installed
Capacity .**

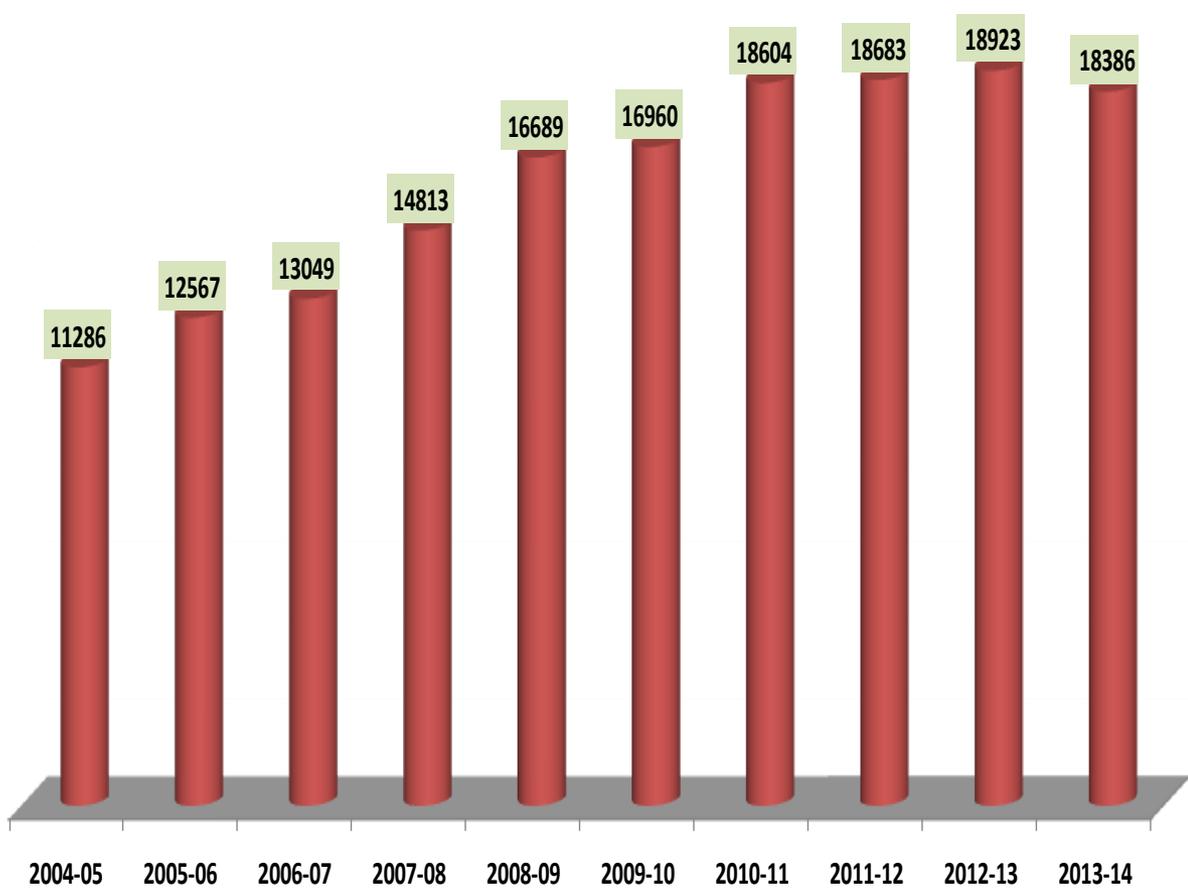
**NHPC Contribution
is 16% of Installed
Hydro Power.**

NHPC has added six power station during the 12th Plan with Installed Capacity of 1212 MW



NHPC 's Track Record – A Ten Year Digest

Standalone Generation in (M.U)



Country Generation (Apr14-Dec14)
7,93,725 MU



Share of Hydro Power
1,06,736 MU (13.45%)



Share of NHPC
19,086 MU (17.88%)

NHPC- Financial Highlights

PROFIT & LOSS _FY2014-15

(Rs. in Crores)



Particulars	Q1 Jun-14	Q2 Sep-14	Half year ending as on Sep-14	Q3 Dec-14	9 Months ending as on Dec-14
Revenue from Operations (Net Sales)	2034	2,086	4,120	1,167	5,287
Other Income/Other Operating Income	184	239	423	301	724
Total Income	2218	2,325	4,543	1,468	6,011
Employee Cost	287	301	588	284	872
Depreciation & Amortisation	355	358	713	354	1,067
Water usage charges	266	266	532	120	652
Other General Expenses	185	244	429	202	631
Finance Cost	322	288	610	291	901
Total Expenditure	1415	1,457	2,872	1,251	4,123
PBT	803	868	1,671	217	1,888
Tax	187	184	371	37	408
PAT	616	684	1,300	180	1,480

Sale of Power-Debtor Details

Total Debtors Amount (in Crs.)

S.No.	Particulars	As on 31.03.2014	As on 30.06.2014	As on 30.09.2014	As on 31.12.2014
1	Beneficiary wise Debtors	1838.69	2792.71	3048.86	2662.18
2	UI Charges	6.61	14.14	24.33	7.65
3	Congestion Charges	-	-	0.26	-
4	Unbilled Debtors	426.04	503.50	742.65	370.24
5	PTC	0.27	5.10	6.30	1.18
G.Total		2271.61	3315.46	3822.42	3041.25

Break up of Beneficiary wise Debtors Amount (In crs.)

S.No.	Particulars	As on 31.03.2014	As on 30.06.2014	As on 30.09.2014	As on 31.12.2014
1	Less than 60 days	853.39	1564.99	1146.65	1014.92
2	More than 60 days	985.30	1209.97	1902.21	1647.26

Sale of Power-Debtor Details

Beneficiary wise Debtors (Top Five)				Amount (in Crs.)
Particulars	As on 31.03.2014	As on 30.06.2014	As on 30.09.2014	As on 31.12.2014
PDD, J&K	1064.25	1327.48	1613.48	1,340.14
UPPCL, UP	179.61	309.53	284.12	292.48
PSPCL, Punjab	89.66	216.52	244.56	216.69
HPPC	62.01	131.67	133.28	120.44
BYPL, Delhi	56.32			
BSES RAJDHANI		117.43		
BSES YAMUNA			113.67	132.22

Beneficiary wise Debtors - More than 60 Days (Top Five)		Amount (in Crs.)
Particulars	As on 31.12.2014	
PDD, J&K	1,065.62	
UPPCL, UP	97.60	
BSES RAJDHANI	61.55	
BSES YAMUNA	106.70	
AVVNL	56.82	

Details of Incentives, Secondary Energy, UI Charges (Rs. In Crores)

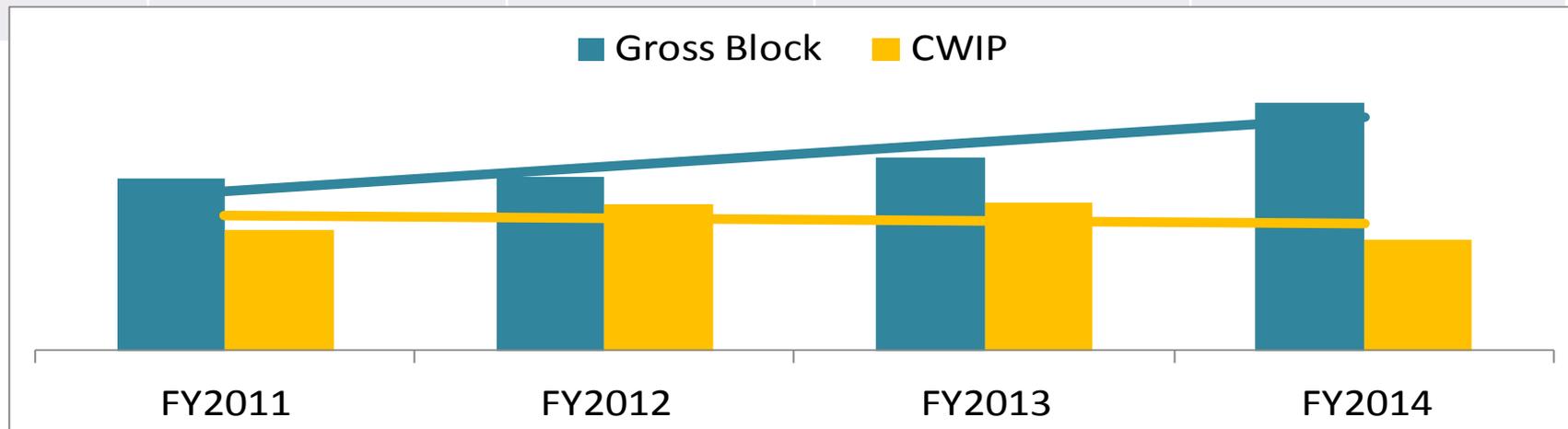
S.No	Particulars of Incentives	FY2015					FY2014				
		Q1	Q2	Q3	Q4	Total	Q1	Q2	Q3	Q4	Total
1	Secondary Energy	-	21.54	19.38	-	40.92	63.39	22.39	20.43	-20.15	86.06
2	Incentives	114.15	109.07	12.14	-	235.37	93.85	92.6	20.51	-35.58	171.38
3	UI Charges	45.25	59.28	30.53	-	135.06	23.37	11.58	21.88	15.24	72.07
Total		159.40	189.89	62.05	-	411.34	180.61	126.57	62.82	-40.49	329.51

PAF

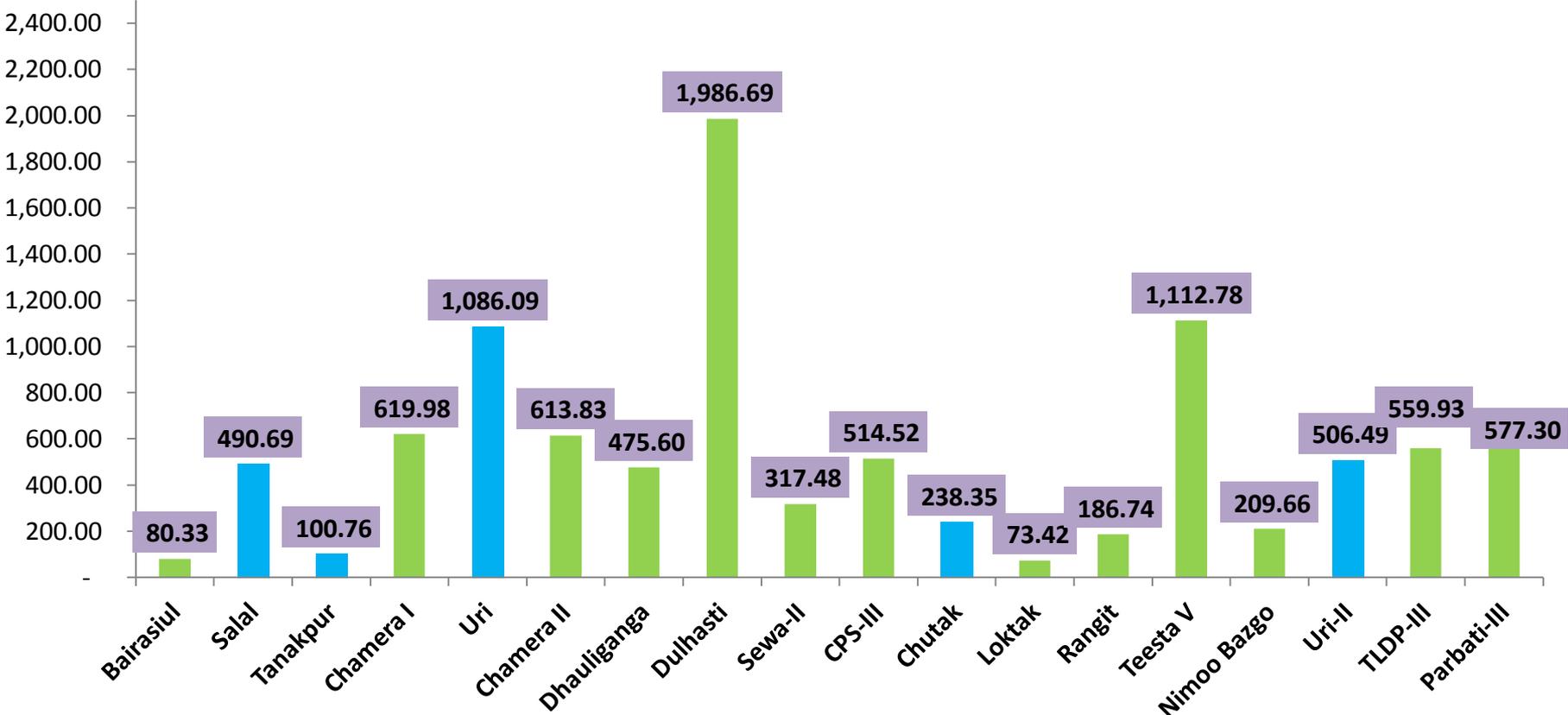
PAF Achievement FY2015				PAF Achievement FY2014			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
88.73%	86.64%	69.05%	-	93.21%	85.56%	74.39%	59.5%

Gross Block V/s CWIP

S.No.	Particulars	Gross Block Amount (In Crs.)	CWIP Amount (In Crs.)	CWIP % to Gross Block
1	As on 31.12.2014	32913.70	15675.33	47.63%
2	As on 30.09.2014	32234.90	15326.62	47.55%
3	As on 30.06.2014	33095.74	14914.84	45.06%
4	As on 31.03.2014	32931.02	14657.13	44.51 %
5	As on 31.03.2013	25720.04	19709.04	76.63 %
6	As on 31.03.2012	23060.93	19349.74	83.91 %
7	As on 31.03.2011	22874.93	15962.77	69.78 %



NHPC – Regulated Equity



Current Regulated Equity =Rs.9750.63 crs

ROR Projects (5 P.S-1574 MW) ₹ 2422.37 crs

NHPC-Achievements During the Current Fiscal

Achievements during the FY 2014-15

1. Projects Commissioned during the FY 2014-15			
S.No.	Project / Installed Capacity	Capacity Added (MW)	Remark
I.	Parbati III (4x130=520 MW)	130	Units-1, 2 & 3 have been commissioned and put on commercial operation in FY14. Unit-4 of Project is declared under commercial operation on June 6,2014.
	Total	130	

- 2. Dhauliganga - All Units Restored.**
- All the 4 units of the power station have been re-commissioned and synchronised to grid during May/June'2014 and scheduled generation has commenced from Unit#4, Unit#3, Unit#2 & Unit#1 on 03.05.2014, 05.05.2014, 19.06.2014 and 27.06.2014 respectively.
 - The company has received 100 crs against the Business Interruption Loss Estimate of ₹291.56 crs and has also received ₹70 crs against the Material Damage Loss Estimate of ₹ 177.08 crs.

- 3. The State Cabinet of West Bengal Government has decided to allot 4 more hydropower projects with total capacity of 293 MW to NHPC for their development in the Darjeeling District.**
- These projects are 84 MW Teesta Intermediate H.E. Project, 81 MW Teesta Low Dam I & II H.E. Project, 48 MW Rammam H.E. Project Stage-I and 80 MW Teesta Low Dam-V H.E. Project.
- Currently MOU for the projects is under progress.

NHPC- Other Business Development Initiatives

- Solar Energy
- Wind Energy
- Thermal Energy

❖ 50 MW Solar Power Project in Jalaun, Uttar Pradesh

- MOU Signed on 8-Aug-2013 between UPNEDA and NHPC.
- Promoters' Agreement signed between UPNEDA and NHPC Limited on 17-Oct-2014 for setting up a JVC for implementation of 50 MW grid connected Solar Power Project at Parason (Tehsil – Kalpi), District – Jalaun, Uttar Pradesh.
- 275 Acres land for this project is being provided by UPNEDA as a part of their equity share in JVC.
- NHPC Board accorded approval for contributing equity amounting to Rs. 114.43 crs in the JVC.
- Registration of JVC under progress and PPA would be signed thereafter.
- NIT issued for EPC Contract and replies to bidder's queries are being expedited.

❖ 50 MW Solar Power Project in Kollam district, Kerala

- MOU Signed on 07-May-2014 between NHPC Limited and Kerala State Electricity Board Limited (KSEB) for development of 50 MW grid linked solar power project at West Kallada Panchayat in Kollam District of Kerala.
- Topographical Survey Works completed by NHPC .
- CET submitted draft report on Soil Investigation work .
- Process for award of work for DPR preparation is in progress.

❖ Wind Power Project in Palakkad District of Kerala

- MOU signed with Government of Kerala on 06.01.2014 for development of grid interactive wind energy project with proposed installed capacity of 82MW in Palakkad District of Kerala on BOOT basis.
- C-Wet has prepared the draft DPR of the project in Aug-14.
- Draft DPR forwarded to ANERT and KSEB for comments.
- ANERT has cleared the DPR. Comments from KSEB on draft DPR are awaited.
- For Micrositing of Wind Generator and identifying the exact location of wind masts survey works by NHPC in house survey team is in progress w.e.f 01.11.2014.

❖ Wind Power Project on EPC Contract Basis

NHPC is also exploring options for setting up Wind Energy Project in any of the state of Tamil Nadu, Andhra Pradesh, Maharashtra, Madhya Pradesh or Gujarat with its comprehensive Operation & Maintenance for 10 years.

- NIT for Domestic Competitive Bidding has been issued on 28.03.2014 for exploring options of setting up 50MW wind energy project on Turnkey Basis.
- Financial Bids opened on 23.12.2014 are under evaluation.

Thermal Power

MOU With IFFCO & CSPHCL 1320 MW (660x2)

- MOU Signed on 28.09.2013 with IFFCO and CSPHCL for acquisition of IFFCO share (74%) in existing joint venture in thermal project of 1320 MW (660x2) at Surajpur in Chhattisgarh.
- Project Cost: Rs. 8481 crs at Mar-14 PL.
- PIB meeting proposed to be held on 25.08.14 postponed till further notice.
- Review of MOU has been necessitated by CSPHCL on account of non receipt of clearances by NHPC.
- Efforts are on to take up the matter with the Central and State Government for implementation of the thermal project.

MOU With BSPGCL & PIRPAINI BIJLEE COMPANY 1320 MW (660x2)

- MoU has been signed on 22.02.2014 amongst NHPC Ltd, Bihar State Power Generation Company Limited (BSPGCL) and Pirpainti Bijlee Company Pvt Limited (PBCPL) for participation in PBCPL engaged in development of 1320 (2X660) MW Pirpainti Supercritical Thermal Power Project in Distt Bhagalpur of Bihar state.
- NHPC will acquire 74% equity share of BSPGCL in PBCPL.
- Approval of MOU by NHPC Board and MOP is under progress and draft JV Agreement submitted to BSPGCL for comments.



NHPC- Financial Ratios

NHPC – Financial Ratios FY 2013-14



S.No	Particulars	FY 2015		FY 2014	
		Standalone	Consolidated	Standalone	Consolidated
1.	EPS	1.34 (Not annualized)- As on 31.12.2014	-	0.82	1.02
2.	Book Value	24.89	-	23.55	25.87
3.	PB Ratio	0.76	-	0.81	0.74
4.	PE Ratio	14.10	-	23.38	18.78

S.No.	Particulars	FY 2015	FY 2014
1.	Market Capitalization	20868 crs	21145 crs
2.	Return on Net Worth	5.37%	3.75%
3.	Debt Equity Ratio	0.68	0.71

Note : P/E ratio, P/B ratio and Market Capitalization are based on Stock price as on March 31 of FY14 and Dec31 for FY15 .

NHPC- Projects At Glance

NHPC – Projects in Operation

S.No	NHPC Project & State	Installed Capacity (MW)	Design Energy (MU)	Year of comm.	Completion Cost	Tariff (OCT 14 Bill) (Rs. /Kwh)	Type of the project
1	Baira Siul (3x60) Himachal Pradesh	180	779.28	1981	148.08	1.54	Run of River (ROR) with small pondage
2	Loktak, (3*35) Manipur	105	448.00	1983	135.68	2.78	Storage
3	Salal, (6x115) Jammu & Kashmir	690	3082.00	1987	959.16	0.96	ROR
4	Tanakpur, (3x40) Uttarakhand	120	452.19	1992	379.16	2.30	ROR
5	Chamera-I, (3x180) Himachal Pradesh	540	1664.55	1994	2400	2.01	Storage
6	Uri-I, (4x120) Jammu & Kashmir	480	2587.38	1997	3300	1.61	ROR
7	Rangit, (3*20) Sikkim	60	338.61	2000	492.26	2.90	ROR with small pondage
8	Chamera-II, (3*100) Himachal Pradesh	300	1499.89	2004	RC-1987.03 (Mar-04)	2.74	ROR with small pondage
9	Dhauliganga-I, (4x70) Uttarakhand	280	1134.70	2005	1788.07	2.91	ROR with small pondage.
10	Dulhasti, (3x130) Jammu & Kashmir	390	1907.00	2007	5228.49	6.16	ROR with small pondage

NHPC – Projects in Operation

S.No.	NHPC Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Completion Cost	Tariff (OCT 14 Bill) (Rs. /Kwh)	Type of the project
11	Teesta-V, (3x170) Sikkim	510	2573.00	2008	2656.95	2.34	ROR with small pondage
12	Sewa-II, (3x40) Jammu & Kashmir	120	533.52	2010	RC-1108.83 (Jul-10)	4.33	ROR with small pondage
13	Chamera-III, (3*77) Himachal Pradesh	231	1104.00	2012 (Jun)	2049.44	3.77	ROR with small pondage
14	Chutak, (4x11) Jammu & Kashmir	44	212.93	2013 (Jan)	RC-893.77 (Jul-10)	6.26	RoR
15	TLDP-III, (4x33) West Bengal	132	594.42	2013 (Apr)	1972.99	5.68	ROR with small pondage
16	Nimoo Bazgo, (3x15) Jammu & Kashmir	45	239.00	2013 (Oct)	985.15	6.33	ROR with small pondage
17	Uri –II, (4x60) Jammu & Kashmir	240	1123.76	2014 (Mar)	2290.19	3.51	ROR
18	Parbati-III (4x130) Himachal Pradesh	520	701.40	2014 (May)	RC-2715.92 (Mar-11)	6.35	ROR with small pondage
	Total-A	4987	20975.63				

NHPC – Operational Projects with Subsidiary



S. No	Project	Installed Capacity (MW)	Design Energy (MU)	Year of Comm.	Completion Cost	Tariff 2013-14 (Rs./Kwh)	Type of the project
Projects Completed with Subsidiary							
1	Indrasagar, (8x125) Madhya Pradesh	1000	1846.19	2005	4520.18	3.00	Storage
2	Omkareshwar, (8x65) Madhya Pradesh	520	865.05	2007	3015.40	4.80	Storage
	Total-B	1520	2711.24		7535.58		
	Grand Total(A+B)	6507					

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 –Dec'14 (Rs. Crore)	Expected Commissioning Schedule
TLDP IV (40x4) West Bengal	160	720	Run of River with small pondage	1061.38 (MAR05)	1929.15 (AUG13)	*1 _{1606.79}	FY 16-17 (Q-2)
Subansiri Lower (250X8) Assam/ Ar. Pradesh	2000	7421	Reservoir	6285.33 (DEC02)	15300.00 (JAN14)	*2 _{7057.12}	It shall be finalized after resumption of works
Parbati II (200x4) Himachal Pradesh	800	3108.66	Run of River with small pondage	3919.59 (DEC01)	5365.70 (AUG11)	4789.81	FY 18-19 (Q-4)
Kishanganga (110x3) Jammu & Kashmir	330	1350	Run of River with small pondage	3642.06 (SEP07)	5497.72 (JUL13)	3799.79	FY 16-17 (Q-3)
Total-A	3290	12599.66		14908.36	28092.57	17253.51	

In case of Sub Lower ₹ 1527.79 crs charged to P&L and in case of TLDP IV ₹ 204.10 crs charged to P&L till Q3FY15. The details are as below:-

Project	FY2013-14		Q1 FY2014-15		Q2 FY2014-15		Q3 FY2014-15		Total
	Borrowing Cost	Admin. & Other Cost							
Sub. Lower	766.90	341.54	101.88	35.91	102.65	41.51	102.25	35.15	1527.79
TLDP IV	91.35	67.91	23.15	13.61	22.88	11.20	8.11	-34.11	204.10

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	2091.85 (May 13)	In the PIB Meeting on 23.10.2013, project was recommended for investment subject to clearance from Supreme Court for Uttarakhand Projects.
2	Teesta-IV (4x130) (Sikkim)	520	2373	5190.21 (Jul 14)	Stage-I forest clearance has been accorded on 26.02.2013. Environmental clearance accorded on 09.01.2014 by MOEF. Draft Material for PIB submitted to MoP on 14.10.2014.
3	Dibang (12x250) (Ar. Pradesh)	3000	12210	23896 (Jul 13)	EAC has recommended environment clearance in its meeting on 16.09.14. FAC meeting held on 22.09.14 and FAC has recommended the proposal with 10 mtr reduction in dam height. FC (Stage-I) to be issued after compliance of Forest Rights Act (FRA) 2006.
4	Tawang –I (3x200) (Ar. Pradesh)	600	2963	5349.52 (Aug 11)	Environment clearance accorded by MoEF on 10.06.2011 Forest clearance is being pursued.
5	Tawang –II (4x200) (Ar. Pradesh)	800	3697	8008.09 (Jul14)	Environment clearance accorded by MoEF on 10.06.2011. Stage-I Forest Clearance has been issued by MOEF on 08.01.2014. Material for PIB submitted to MoP on 07.10.2014.
Total		5115	22268	44535.67	

NHPC -Projects Under Clearance

Projects Under JV

S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Chenab valley Power Projects Ltd. (JV between NHPC (49%) JKSPDC (49%), & PTC (2%))				
i)	Pakaldul (4x250) J&K	1000	3330.18	8112.12 (Mar 13)	MoP vide letter dated 28.10.14 conveyed the Cabinet sanction for investment for Pakaldul. The project works is in final stage of award by M/s CVPPL.
ii)	Kiru (4x150) J&K	600	2301.81	4068.13 (Jan 12)	TEC, EC under process. FC recommended by FAC of J&K on 22.08.2013. Formal FC letter awaited.
iii)	Kwar (4x130) J&K	520	1976.84	4375.50 (Jan12)	TEC and EC under process. FC recommended by FAC of J&K on 09.12.2013. Formal FC letter awaited.
TOTAL		2120		16555.75	

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	330.24	1522.39 (Jul-13)	JVC formed & Board started functioning. Concurrence of CEA, is available. Forest Clearance has been accorded by MOEF on 22.12.2014. Environmental clearance has been accorded in Jan'13. Updated DPR is submitted to CEA, which is under examination in CEA/CWC.
TOTAL		66		1522.39	

NHPC –Projects Under Pipeline

S. No.	Projects	State	Installed Capacity (MW)
Projects Under FR/DPR Preparation			
1	Bursar	Jammu & Kashmir	1020
2	Dhauliganga Intermediate	Uttarakhand	210
3	Gauriganga-IIIA	Uttarakhand	120
	Total		1350
Foreign Assignment Projects (FAP)			
1	Chamkharchhu (Under discussion at Govt. level as JV Project between NHPC And DRUKGreen, Bhutan)	Bhutan	770
	Sub Total (FAP)		770
	Total		2120



Thank
You