



एनएचपीसी

Welcome

NHPC



Agenda



Hydro Scenario in India

NHPC Overview

Investment Plan

Financial Highlights



Hydro Scenario in India



Hydro Scenario

Benefits

- ✓ Abundant hydro potential
- ✓ Meets peaking power
- ✓ Ideal for meeting demand during peak times.
- ✓ Improves grid stability and reliability
- ✓ Renewable source of energy
- ✓ Affordable and cost effective
- ✓ Environmentally benign source
- ✓ Additional benefits for storage schemes -flood moderation, irrigation, tourism etc
- ✓ Cost of generation is free from inflationary effect after the initial installation.

All India Physical Profile(30.06.13)

- ✓ Total Assessed Potential above 25 MW-1,45,320 MW as on 31.05.13.
- ✓ Capacity Already Developed- 34,838 MW (24%).
- ✓ Capacity Under Construction- 12,240 MW (8%).
- ✓ Capacity yet to be tapped- 98,242 MW (68 %)
- ✓ Share of Hydro Power-39,624 MW (17.54% out of country's installed capacity of 2,25,793 MW)

Source: CEA



NHPC Overview



NHPC – Today

- ❖ **Mini Ratna Category–I enterprise of Govt. of India with an Authorised Capital of Rs. 15,000 Crore.**
- ❖ **Projects Completed 15 Nos. (4182 MW)**
- ❖ **Projects Completed with Subsidiary 2 Nos. (1520 MW)**
- ❖ **Projects Under Construction 7 Nos. (4095 MW)**
- ❖ **Projects Awaiting Clearances – Standalone 5 Nos. (5115 MW)**
- ❖ **Projects Awaiting Clearances – Joint Venture 5 Nos. (3686 MW)**
- ❖ **Projects in Pipeline 5 Nos. (2470 MW)**

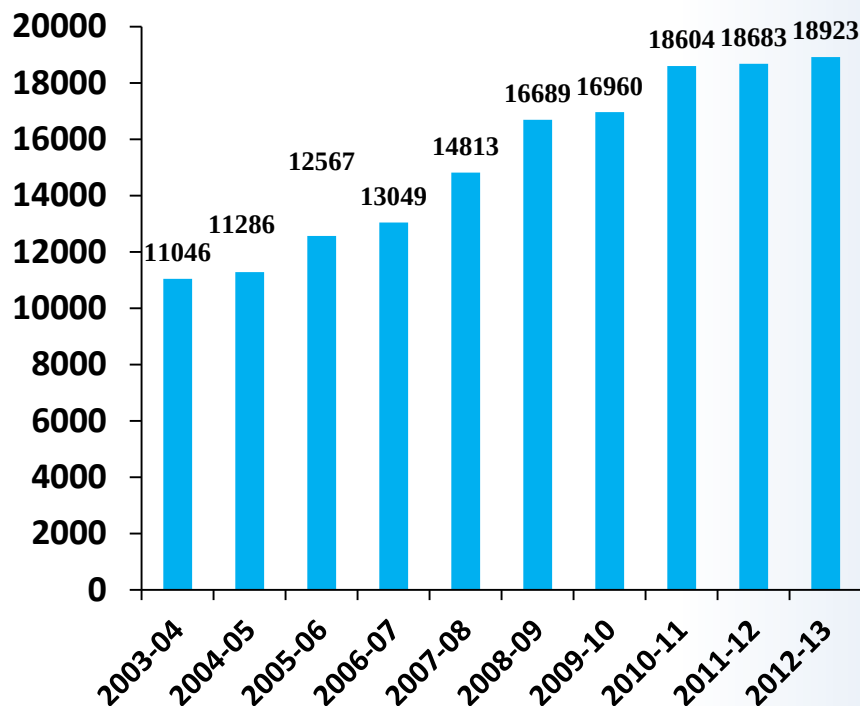


NHPC's Track Record

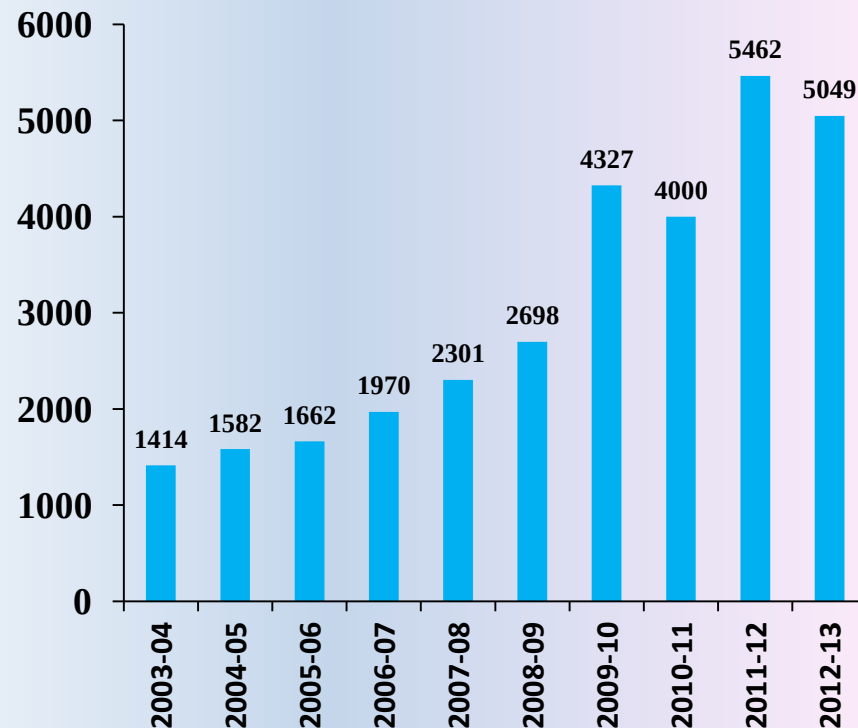
A Ten Year Digest



Generation in (M.U)



Sale of Energy (In Crores)



Country's Hydro Generation 13-14

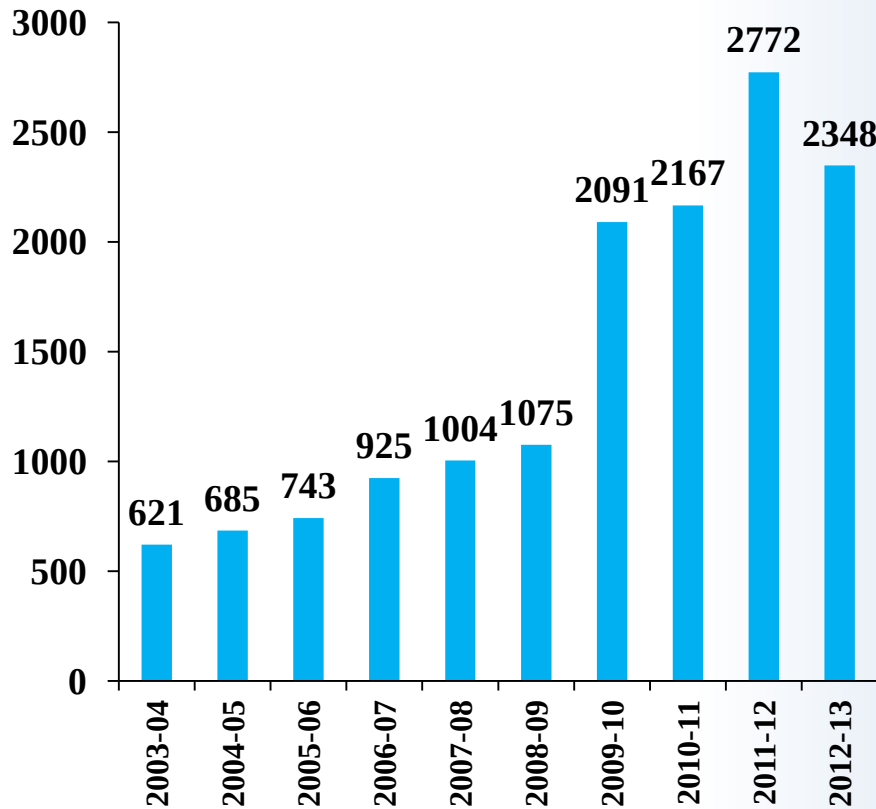
F.Y	Target	Actual	NHPC- % Share
13-14	1,22,263 MU	31279 MU	20.39 %
12-13	1,22,045 MU	1,13,626 MU	16.65 %



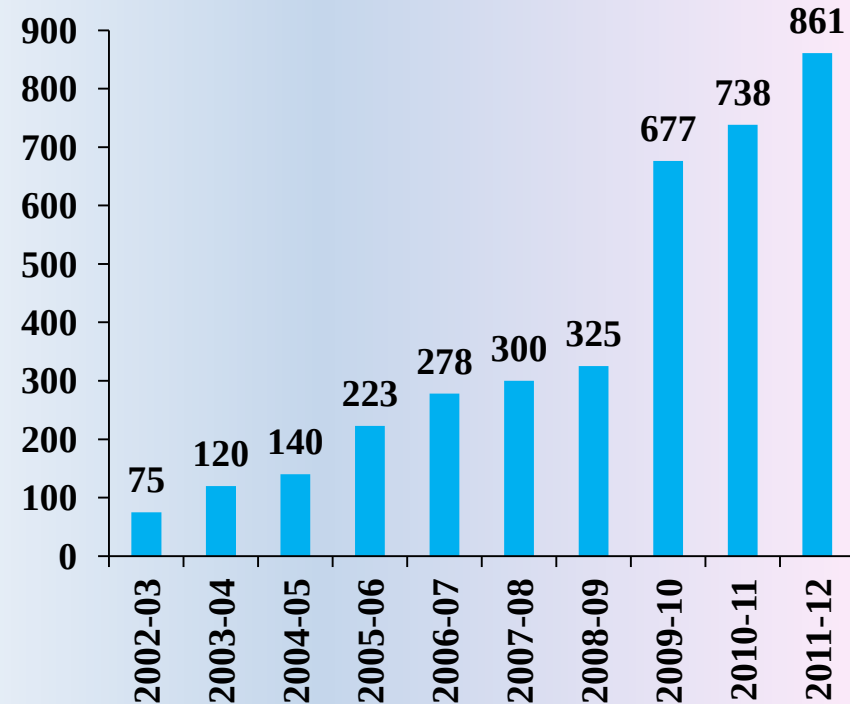
NHPC's Track Record

A Ten Year Digest

Profit After Tax (In Crore)



Dividend (In Crore)



Dividend @ 6% declared for FY2012-13



Operational Projects

NHPC Project	Location	Installed Capacity (MW)	Year of comm.	Type of the project
Baira Siul	Himachal Pradesh	180	1981	Run of River (ROR) with small pondage
Loktak	Manipur	105	1983	Storage
Salal	Jammu & Kashmir	690	1987/1996	ROR
Tanakpur	Uttarakhand	120	1992	ROR
Chamera I	Himachal Pradesh	540	1994	Storage
Uri I	Jammu & Kashmir	480	1997	ROR
Rangit	Sikkim	60	1999	ROR with small pondage
Chamera II	Himachal Pradesh	300	2004	ROR with small pondage
Dhauliganga I	Uttarakhand	280	2005	ROR with small pondage
Dulhasti	Jammu & Kashmir	390	2007	ROR with small pondage

Cntd.



Operational Projects

NHPC Project	Location	Installed Capacity (MW)	Year of Comm.	Type of the project
Teesta V	Sikkim	510	2008	ROR with small pondage
Sewa II	Jammu & Kashmir	120	2010	ROR with small pondage
Chamera III	Himachal Pradesh	231	2012 (July)	ROR with small pondage
Chutak	Jammu & Kashmir	44	2013(Jan.)	Run of River
TLDP-III	West Bengal	132	2013 (May)	ROR with small pondage
	Total-A	4182		
Projects Completed with Subsidiary				
Indrasagar	Madhya Pradesh	1000	2005	Storage
Omkareshwar	Madhya Pradesh	520	2007	Storage
	Total-B	1520		
	Grand Total(A+B)	5702		



Projects Under Construction

NHPC Project	Location	Installed Capacity (MW)	Type of the project	CCEA Estimated Cost (Rs. Crore) (Price Level)	Anticipated Project Cost (Rs. Crore)	Project Expenditure till – June'13 (Rs. Crore)	*Expected Commissioning Schedule
Uri II (60X4)	Jammu & Kashmir	240	Run of River	1724.79 (FEB05)	2081	1985.22	FY 13-14 (Q-3) Spinning of all units achieved
Parbati III (130x4)	Himachal Pradesh	520	Run of River with small pondage	2304.55 (MAY05)	2304	2137.33	FY 13-14 (Q-4) Unit 1&2 spinning done
Nimoo Bazgo (15X3)	Jammu & Kashmir	45	Run of River with small pondage	611.01 (DEC05)	936	863.85	FY 13-14 (Q-3) All units commissioned at partial load
TLDP IV (40x4)	West Bengal	160	Run of River with small pondage	1061.38 (MAR05)	1502	1356.49	FY 14-15 (Q-3)
Subansiri Lower (250X8)	Assam/ Ar. Pradesh	2000	Reservoir	6285.33 (DEC02)	10667	6279.31	FY 17-18 (Q-3)
Parbati II (200x4)	Himachal Pradesh	800	Run of River with small pondage	3919.59 (DEC01)	5366	3970.91	FY 18-19 (Q-2)
Kishanganga (110x3)	Jammu & Kashmir	330	Run of River with small pondage	3642.02 (SEP07)	3642	2387.23	FY 16-17 (Q-3)
	Total-A	4095		19548.67	26498	18980.34	



Projects Under Clearance Stage



S.No.	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Crore) & PL	Status
1	Kotli Bhel-IA (Uttarakhand)	195	1025	2196.95 (Nov'12)	All clearances available except PIB/CCEA. Updated / modified material for PIB recommendation for investment sanction has been sent to MOP.
2	Teesta-IV (Sikkim)	520	2373	3595 (July'09)	Public hearing conducted on 29.03.2012. Stage-I forest clearance has been accorded on 26.02.2013
3	Dibang (Ar. Pradesh)	3000	12210	15886 (Nov'07)	NHPC has requested MoEF to review the decision of FAC.
4	Tawang -I (Ar. Pradesh)	600	2963	4824 (May'10)	Environment clearance accorded by MoEF on 10.06.2011 Forest clearance is being pursued.
5	Tawang -II (Ar. Pradesh)	800	3697	6112 (May'10)	Environment clearance accorded by MoEF on 10.06.2011. Stage-I Forest Clearance has been recommended by FAC.
Total		5115	22268	32463	



JV Projects Under Clearance Stage



S.No	Projects	Installed Capacity (MW)	Design Energy (MUs)	Cost (In Cr.) & PL	Status
1	Chenab Valley Power Projects Ltd. (NHPC-49%, J &K-49%, PTC-2%)				
i)	Pakaldul , (J&K)	1000	3330.18	9756.99 (Mar,12)	The Project is under PIB stage of clearance.
ii)	Kiru (J&K)	660	2301.81	4068.13 (Jan., 12)	DPR submitted in CEA. All statutory clearances shall be taken by JVC.
iii)	Kwar (J&K)	560	1976.84	4375.50 (Jan., 12)	DPR submitted in CEA. All statutory clearances shall be taken by JVC.
2	Loktak D/S (NHPC-76 %, Manipur-24%)	66	330.24	627.21 (Oct., 06)	JVC formed & Board started functioning. Concurrence of CEA, is available. In-principle Forest Clearance has been accorded by MOEF on 03.03.11. Environmental clearance has been accorded in Jan'13.
3	Tipaimukh (Manipur) (JV between NHPC, SJVNL, Govt. of Manipur in 69:26:05)	1500	3805.7	8138.79 (Sep., 08)	FAC has advised to explore feasibility of construction of smaller Dam involving diversion of smaller forest area commensurate with their power generation capacity.
TOTAL		3686		26,966.62	



Projects Under Pipe Line



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
4	Dulhasti-II	Jammu & Kashmir	350
	Sub Total (FR/DPR)		1700
Foreign Assignment Projects (FAP)			
1	Chamkharchhu	Bhutan	770
	Sub Total (FAP)		770
	Total		2470



Initiatives in the Development of Other Renewable Energy



Solar Power Projects

MOU Signed for formation of JVC for implementation of 50 MW Solar Power Project at Tehsil Kalpi, District Jalaun, Uttar Pradesh.

Wind Power Projects

Plan of grid connected wind power project up to installed capacity of 50 MW under consideration.





Investment Plan



Proposed XIIth Plan Expenditure

(FY 2012-13 to 2016-17)



F.Y	Amount (Rs. In Crore)	Remarks
2012-13	3350 (Actual : 3307)	- During 12th Plan, 1702 MW capacity would be added from the ongoing construction projects. Till date i.e. (up to May13) 407 MW have been commissioned. - Apart from that, the construction of other projects, which are under various stages of Govt. clearances, would takeoff during the 12th Plan.
2013-14	3450	
2014-15	4094	
2015-16	4771	
2016-17	4335	
Total	20,000	





Financial Highlights

STATEMENT OF PROFIT & LOSS



(Rs. in Crores)

Particulars	For the quarter ended 30.06.2013		For the quarter ended 30.06.2012	
INCOME:				
(i) Revenue from Operations (Net Sales)		1600.51		1399.12
(ii) Other Operating Income				
a. Interest from Beneficiaries	0.10		2.62	
b. Revenue from Contracts, Project Management and Consultancy works	18.76	18.86	22.71	25.33
(ii) Other Income		248.55		242.77
TOTAL INCOME		1867.92		1667.22

...contd

(Rs. in Crores)

Particulars	Quarter ended 30.06.2013		Quarter ended 30.06.2012	
EXPENDITURE:				
(i) Employee Benefits Expenses		231.84		211.49
(ii) Depreciation & Amortisation Expenses		276.00		222.06
(iii) Other Expenses-				
(a) Generation, Administration and Other Expenses:				
- Other than Water cess	127.31		102.90	
- Water cess	195.25		203.94	
(b) Prior Period Items (net)	(5.74)	316.82	(0.45)	306.39
(iv) Finance Cost		116.03		79.76
TOTAL EXPENDITURE		940.69		819.70
Profit Before Tax		927.23		847.52
Provision for Income Tax		207.30		177.71
PROFIT AFTER TAX		719.93		669.81

ADJUSTED PAT vis-à-vis Corresponding Quarter

(Rs. in Crores)

	Quarter ended 30.06.2013	Quarter ended 30.06.2012
PAT (A)	719.93	669.81
Detail of adjustments carried out		
Earlier year sales	(0.01)	(0.11)
Insurance Policy Excess (Dhauliganga PS)	2.00	-
Other Income-Interest from beneficiaries	(0.10)	(2.62)
Prior Period adjustments	(5.74)	(0.45)
Exceptional Items		
Liabilities/Provisions not required written back	(1.47)	(28.47)
Tax impact on adjustments	1.53	6.33
Net Adjustments (B)	(3.79)	(25.32)
Adjusted PAT (A+B)	716.14	644.49

Incentive & Debtor

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

S.No	Particulars of Incentives	30.06.2013	31.03.2013
1	Secondary Energy	62.89	111.44
2	Incentives	93.85	158.72
3	UI Charges	22.74	115.86

Debtors (Rs. In Crore)

S.No.	Particulars	Total Trade Receivables(net of provision)	More than 60 days
1	As on 31 st Mar'13	2049.05	829.95
2	As on 30 th Jun'13	2752.11	721.06



Financial Ratios

Ratios	FY 12-13	FY11-12
EPS (Rs.)	1.91	2.25
Book Value	22.63	21.42
Market Price as on 20 th August'13	16.55	
P/E Ratio	8.66	
P/B Ratio	0.73	
Market Capitalization (Crore)	20357	
RONW	8.43%	10.52%
EBITDA Margin	68.53%	71.00%
PAT Margin	37.27%	41.3%
D/E Ratio	0.63	0.62
DSCR	4.31	5.11



THANKS