

Reliance Power Limited

Corporate Presentation

May 2014



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Section 1

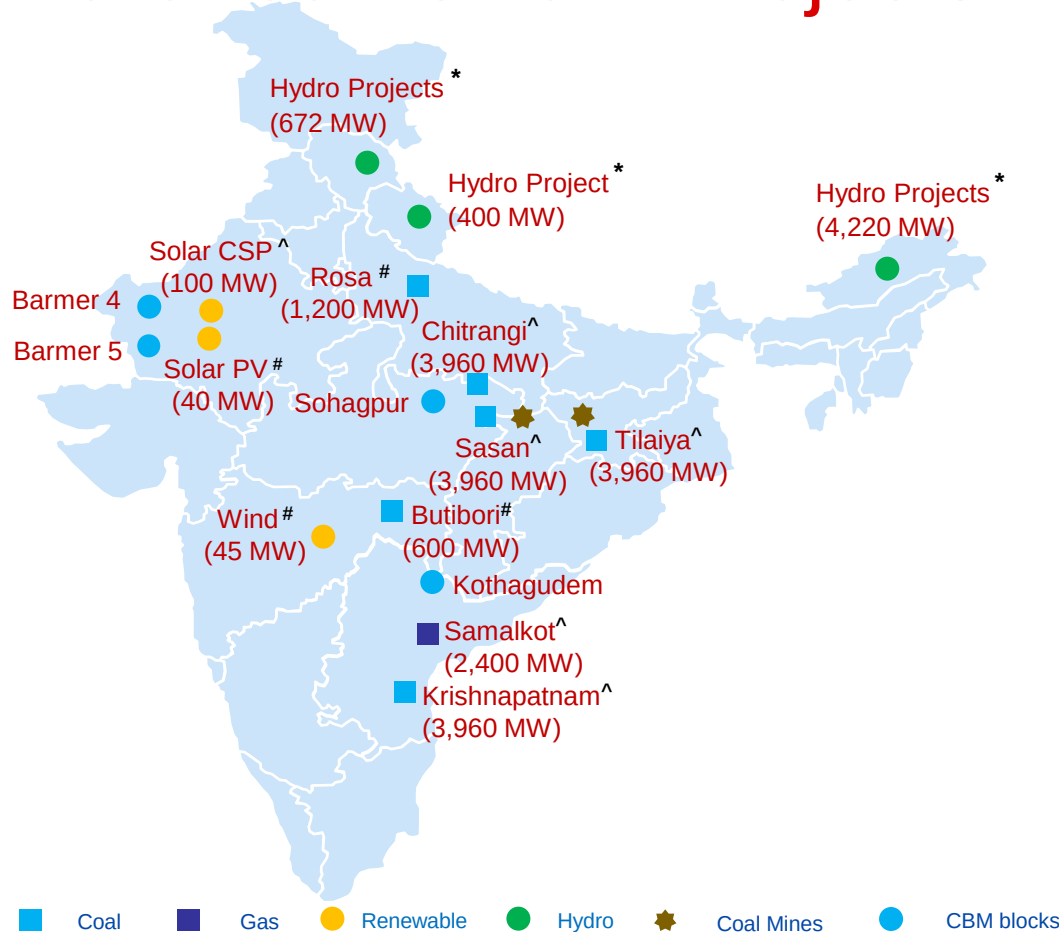
Company Overview

Reliance Power: A Snapshot



 One of India's leading power development companies	 Power Generation	Resources
 Largest portfolio of power projects under construction and development in the private sector	 4,525 MW of operational capacity	 3 captive coal blocks in India with aggregate coal reserves of c. 2 bn tonnes
 Largest coal reserves amongst private power generation companies	Over 20,000 MW under implementation and development	Coal production started at Moher Mines (Sasan) - peak production 20 million tonnes per annum
 Portfolio well diversified by fuel, fuel-source , geography and offtake	Constructing India's largest gas-based power plant of 2,400 MW	3 coal concessions in Indonesia with estimated coal resources of c. 2 bn tonnes
 Focus on environmentally friendly technologies	Won 3 of the 4 UMPPs awarded by GoI	Planned peak coal production of 95 million tonnes
 Reliance Group's brand, experience and position in the Indian Power Sector	One of the largest capacities of renewable energy projects under construction in India	4 Coal Bed Methane (CBM) blocks

Reliance Power: Projects Portfolio



Operating Projects; ^ Projects Under Construction; * Projects Under Development

Power – Operation

Project	No.	Capacity (MW)
Coal based	3	4,440
Solar	1	40
Wind	1	45

Power – Implementation

Project	No.	Capacity (MW)
Coal based	4	13,860
Gas based	1	2,400
Solar	1	100

Power –Development

Project	No	Capacity (MW)
Hydroelectric	12	5,292
Coal based	1	~5,000

Resources

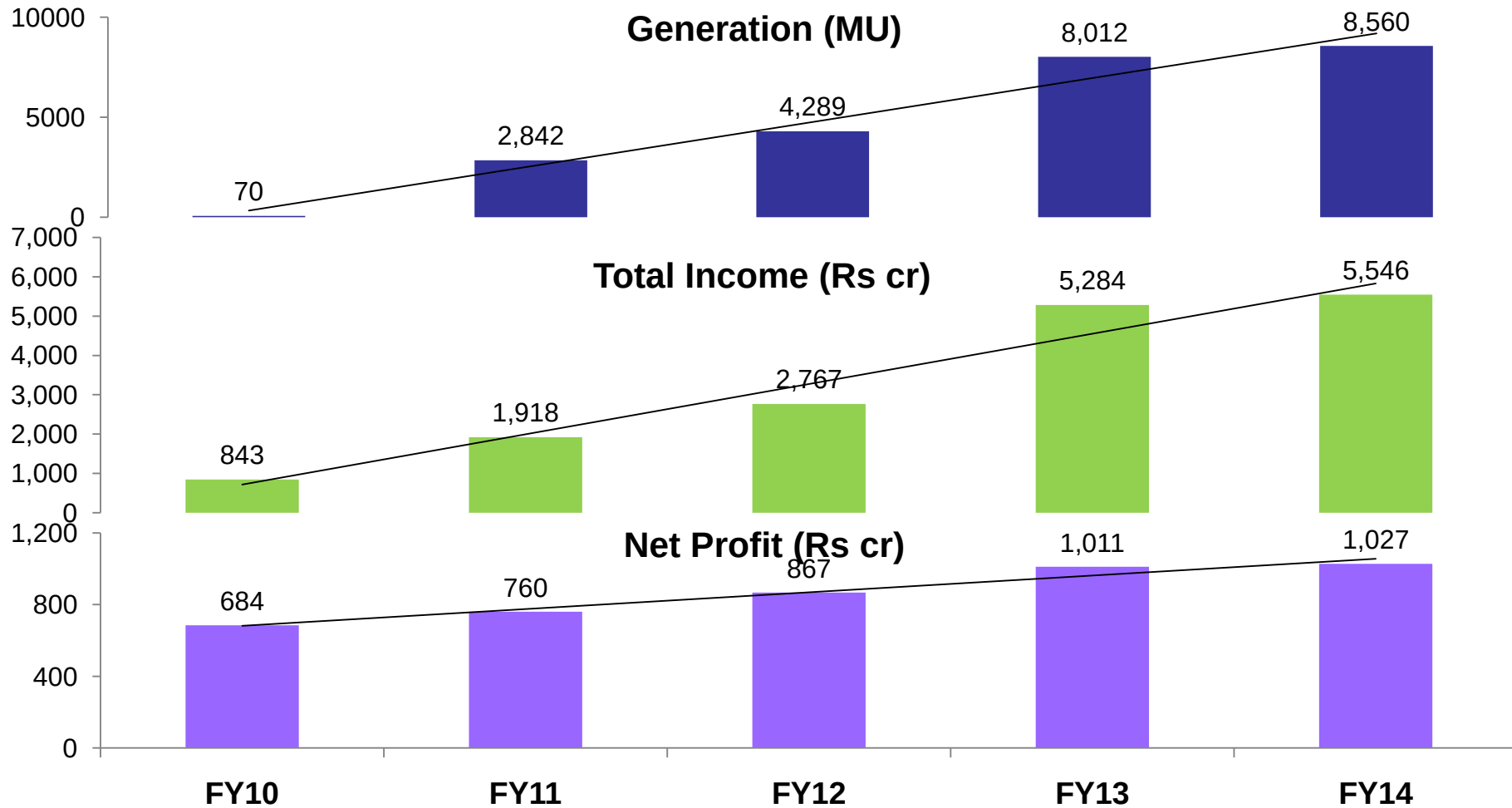
Asset	No	Resources
Coal blocks-India	3	~ 2 bn tonnes
Coal mine-Indonesia	3	~2 bn tonnes
CBM blocks	4	193.92 BCM

Generation portfolio is well diversified by fuel type, offtake and location

Section 2

Operational and Financial Performance

Operational and Financial Performance*



*Excludes performance of Sasan UMPP

Over 8.5 billion units generated in FY14; net profit of over Rs 1,000 crore

Highlights of FY2013-14

Rosa

- 95% Availability, 78% PLF

Solar PV

- Record generation of 72.2 million units, average PLF 20.6%

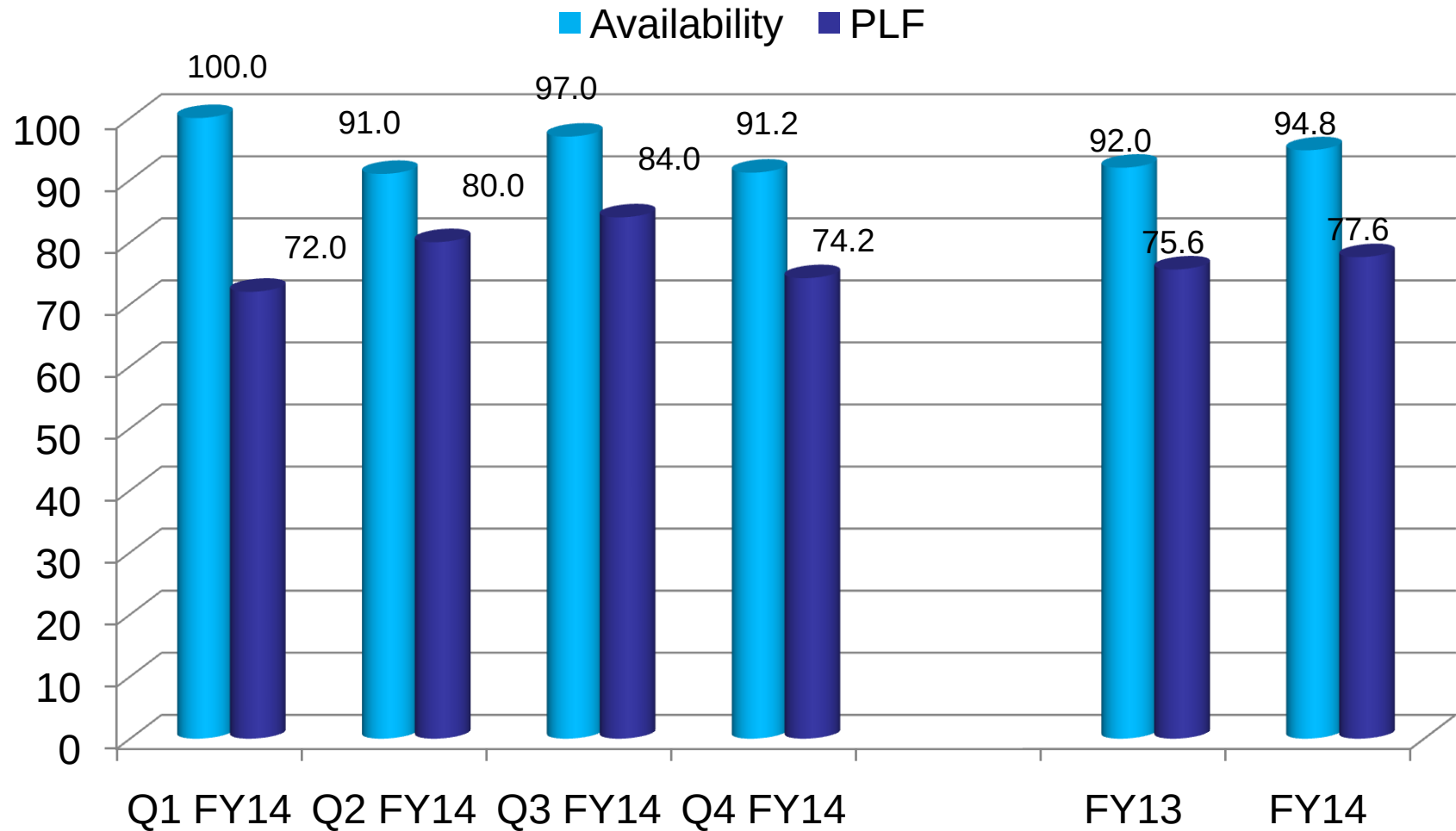
Butibori

- Started supplying power to Reliance Infra under long term PPA, on cost plus basis, from 1st April 2014

Sasan

- 2,640 MW operational
- Balance units at an advanced stage of construction

1,200 MW Rosa: Operating Performance



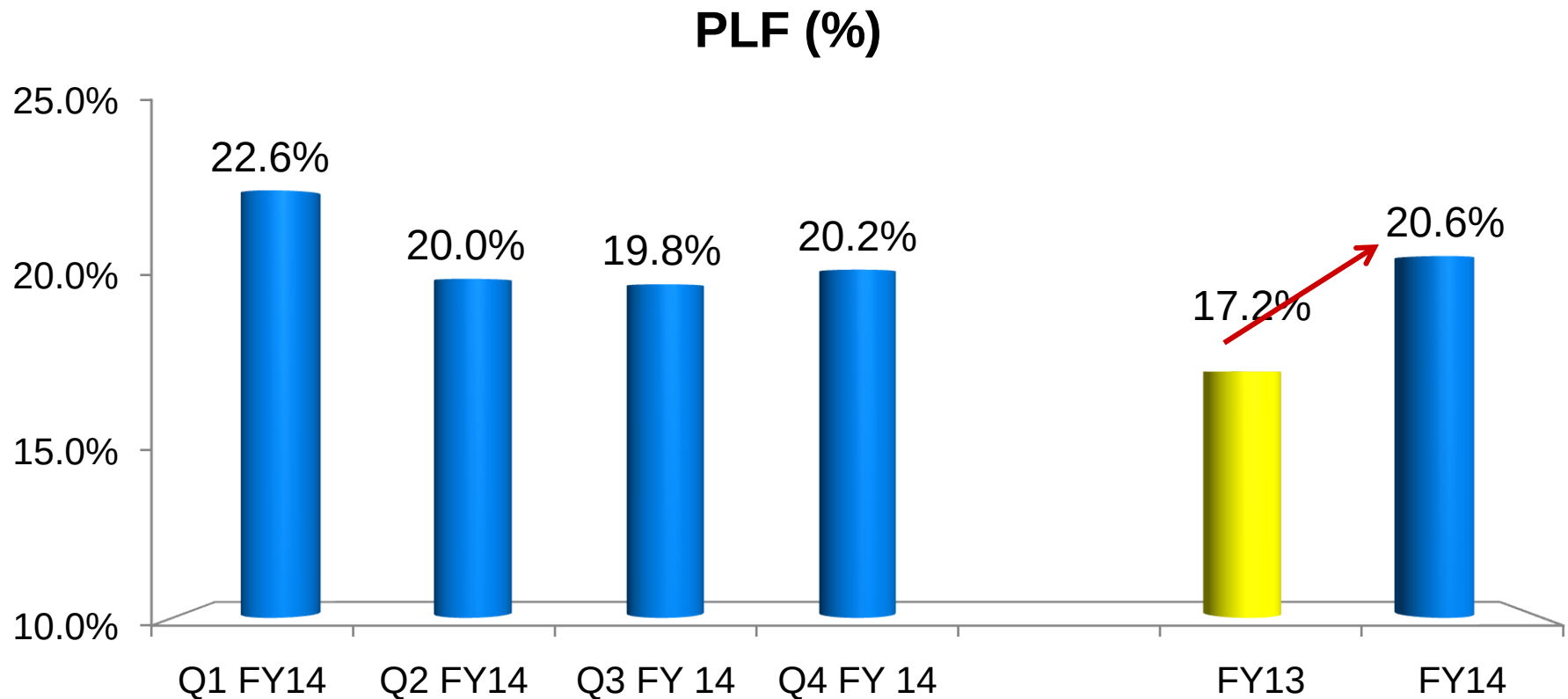
Robust performance on a continuous basis

1,200 MW Rosa: Meritorious Award from MoP



**Rosa received 2 awards from MoP for meritorious performance:
Unit-4 : Gold Shield ; Unit-3 : Silver Shield**

40 MW Solar PV: Operational Performance



Continuous increase in generation

45 MW Vashpet Wind: Performance

	FY'14
PLF (%)	19
Units generated (MU)	56
Revenue (Rs cr)	35



19% PLF in first year of operation; COD on 30th June 2013

600 MW Butibori, Maharashtra

- 
- Started supplying power to RInfra under long term PPA, on cost plus basis, from 1st April 2014

- 
- Provisional tariff approval received from regulator (MERC) for above PPA

- 
- Coal linkage from Coal India Ltd. available for both units

- 
- To act as reliable source of long term power supply to the people of Mumbai

Commenced power supply under long term PPA for entire capacity

Section 3

Projects under implementation

3,960 MW Sasan UMPP, MP

- 
- Four units of 660 MW each operational

- 
- Coal production from Moher Mines started in September 2012
 - Sufficient coal stock at plant for smooth operations

- 
- All major coal mining equipment deployed at site
 - Dragline assembly in progress

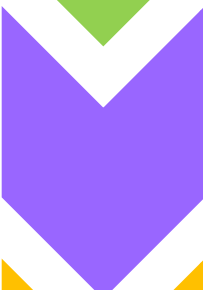
- 
- All subsequent units expected to be commissioned on schedule

2,640 MW operational. Balance units at advanced stage of construction

2,400 MW Samalkot, Andhra Pradesh

- 
- Four gas turbines ready for generation

- 
- Combined cycle commissioning to be based on gas availability

- 
- Applied to PFC and REC for total loan amount of Rs 4,700 Cr.
 - Due diligence in process

- 
- Sustained advocacy efforts for gas allocation and equitable treatment of all gas based projects

100 MW Solar CSP, Rajasthan

PPA

- Signed with NRVN at a levelized tariff of Rs 11.97/unit

EPC

- Signed with R-Infra
- AREVA is the Solar Field technology supplier

Financing

- Financial closure achieved with involvement of US Exim, ADB, FMO and others

Construction

- Construction at site in full swing

To be commissioned in Q1 FY15

3,960 MW Chitrangi, MP

Land

- Entire govt. land under possession
- Entire private land awarded, mutation and diversion completed

Water

- CWC clearance for water from Gopad received

Construction

- Site leveling completed
- Main plant civil work ready to commence

Coal

- Awaiting Stage II forest clearance for Chhatrasal

To commence construction after forest clearance of Chhatrasal mines

3,960 MW Krishnapatnam UMPP, Andhra Pradesh

- Changes in coal regulations by Govt. of Indonesia has impacted viability of the project
- Company raised dispute with procurers under the PPA. However, the procurers sent a notice for termination of the PPA.
- Hearing in Division Bench of Delhi High Court in progress against issuance of the termination notice
- Also filed petition before CERC and Indian Council of Arbitration for adjudication of issues concerning the PPA

Hopeful of positive resolution based on CERC orders on similar cases

3,960 MW Tilaiya UMPP, Jharkhand: Highlights

Land

- Private land (186 acres): Ownership Transferred
- Forest land (1220 acres): Stage II Forest Clearance received. Final handover expected shortly
- Govt. land (167 acres): Final approval expected shortly

R&R

- R&R survey complete , R&R plan submitted to district administration

CSR

- Medical camps, Hand pump installation, Blanket distribution taken up
- NGOs identified and SHGs being formed for livelihood generation

Financing

- Escrow Assessment study completed; ESIA/ESMP to meet IFC Performance Standards prepared
- Discussion with overseas & domestic banks in progress

Have filed petition with CERC for tariff adjustment

Tilaiya Coal Mines, Jharkhand: Highlights

Land

- Application for Section 4 notification under approval at State revenue dept.
- Forest Diversion proposal under approval at State Forest Department

R&R

- Socio-economic survey completed
- LA proposal for 988 acres of land for R&R colony with State Revenue Dept. for issuance of Section 4

EC & FC

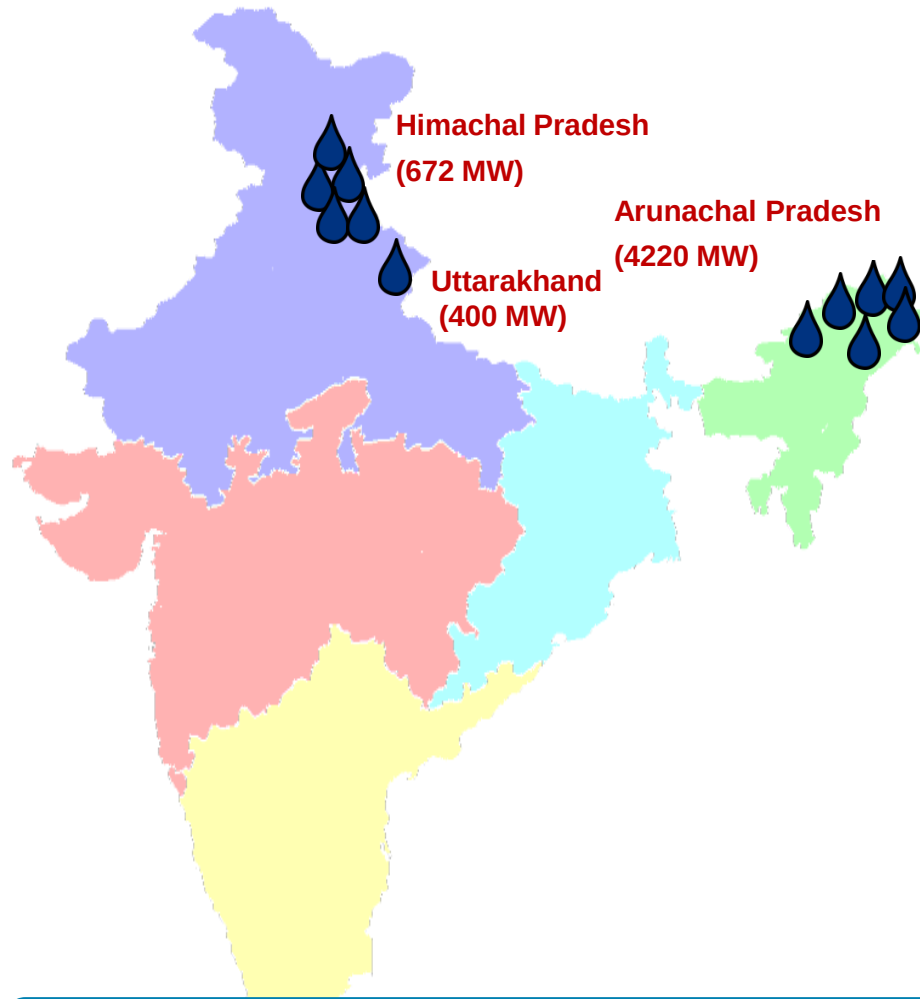
- EIA/EMP submitted to MoEF; Environment Clearance being pursued with GoJ
- Stage-I Forest Clearance being processed for recommendation by State Govt.

Coal Mining

- Mining lease application with State Mining Dept. for prior approval to GoI
- NIT issued for major equipments; Discussions with OEMs in progress

CCI has taken a decision to treat UMPPs at par with GOI Undertakings for the purpose of Compensatory Afforestation

5,292 MW Hydro Portfolio



Project	Location	Capacity (MW)
Tato II	Arunachal Pradesh	700
Siyom	Arunachal Pradesh	1,000
Kalai II	Arunachal Pradesh	1,200
Urthing Sobla	Uttarakhand	400
Emini	Arunachal Pradesh	500
Amulin	Arunachal Pradesh	420
Mihundon	Arunachal Pradesh	400
Purthi	Himachal Pradesh	300
Teling	Himachal Pradesh	94
Shangling	Himachal Pradesh	44
Sumte Kothang	Himachal Pradesh	130
Lara Sumta	Himachal Pradesh	104
		5,292

Development activities in progress for each project

700 MW Tato-II, Arunachal Pradesh: Status Update

Land

- Award for entire project land (786 acres) pronounced by State Govt.
- R&R Plan submitted to GoAP for approval & implementation

Techno-Economic Clearance

- Techno-economic clearance obtained from CEA

Environmental Clearance

- Environmental clearance and Consent to establish obtained

Power Sale

- UPPCL has accorded in-principle approval for purchase of power on long term basis through regulatory route in UP

Project at advanced stage of development

Indonesian Coal: Highlights

51,000 m of drilling completed in all 3 concessions

JORC Resources and Reserves certified by Marston, USA

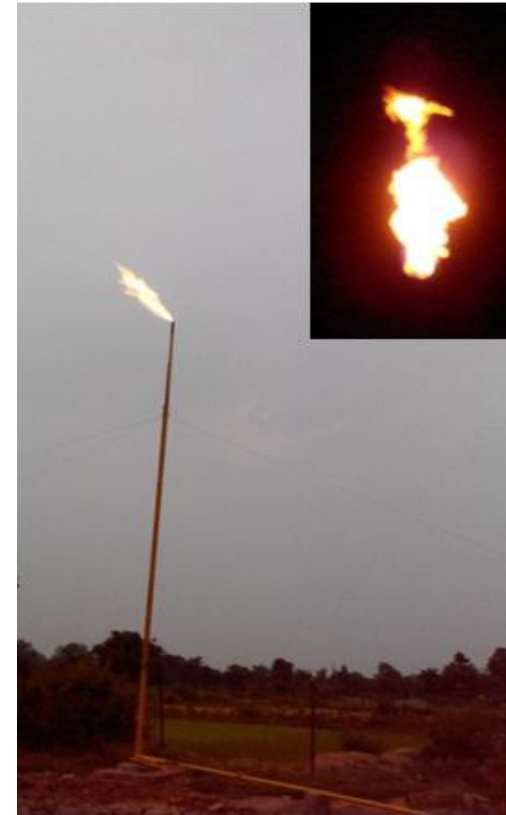
All major clearances obtained

Under discussions with consumers/traders for sale of coal

Coal production to start in FY15

Sohagpur CBM Block : Current Status

- ❑ 12 Core Holes and 2 Test Wells drilled against Minimum Work Program of 8 core holes & 2 test wells in Phase-I
- ❑ Reserve certification by NSAI of USA completed in Dec 13
- ❑ Value of reserves of works out to be ~US\$ 1.7 Billion at gas price of 8.4 \$/MMBTU to be recovered in 20 years with plateau peak production of 10 years
- ❑ Cumulative Gas Produced > 1 lakh m3 in one well & ~ 0.5 lakh in second well



Gas Flaring

12th Sept 2013 : Well SPNT-1A

Commercial production of gas targeted by 2016

Thank You
