



# NLC India Limited

*A "Navratna" – Government of India Enterprise*

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## Corporate Presentation

August - 2019

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**Company Overview & Performance Highlights**

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**Financial & Operational Performance**

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**Corporate Social Responsibility**



## Company Overview & Performance Highlights



- ✓ *A 'Navratna' CPSE incorporated in 1956. Under the administrative control of Ministry of Coal*
- ✓ *Paid up Equity Share Capital - Rs. 1,386.64 Crore (GoI holding - 80.85% as on 31.07.2019)*
- ✓ *Mining, Power Generation  
Trading License - Category I*
- ✓ *Regional Presence to National Level Presence*
- ✓ *Advanced Technology*
- ✓ *Robust Financial Performance in terms of Revenue, Profit and Net worth. Highest domestic credit rating . Consistent track record of Dividend.*
- ✓ *Skilled Manpower*
- ✓ *Present Composition of Board - Total 14 Directors (5 Functional Directors, 2 Government Nominees and 7 Independent Directors including 1 Woman Director).*

We are in compliance with the requirements of Regulations 17(1)(b) of the Securities and Exchange Board of India (Listing Obligations and Disclosure Requirements) Regulations, 2015, with effect from 2nd Aug 2019.

# Vision & Mission

## *Vision:*

*To emerge as a leading Mining and Power Company, with social responsiveness accelerating Nation's growth*

### **Mission**

*Continue to develop and sustain expertise in Power and Mining with focus on growth and financial strength*

*Be socially responsive, achieve sustainable development and be sensitive to emerging environmental issues*

*Strive to achieve excellence in processes and practices*

*To nurture talent, encourage innovation and foster collaborative culture*

### **Values**

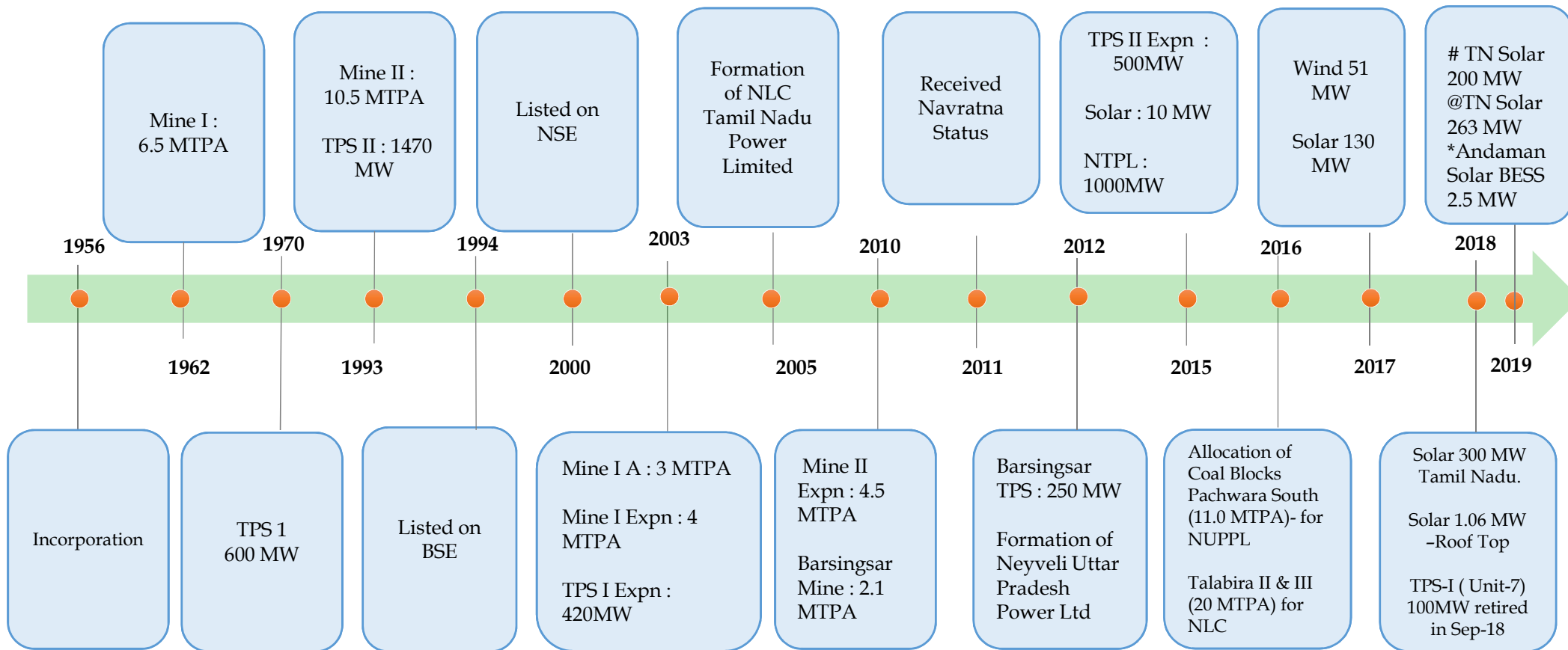
*N- National Orientation*

*L - Learning and Development*

*C- Commitment for Excellence*

*I - Innovation and Speed*

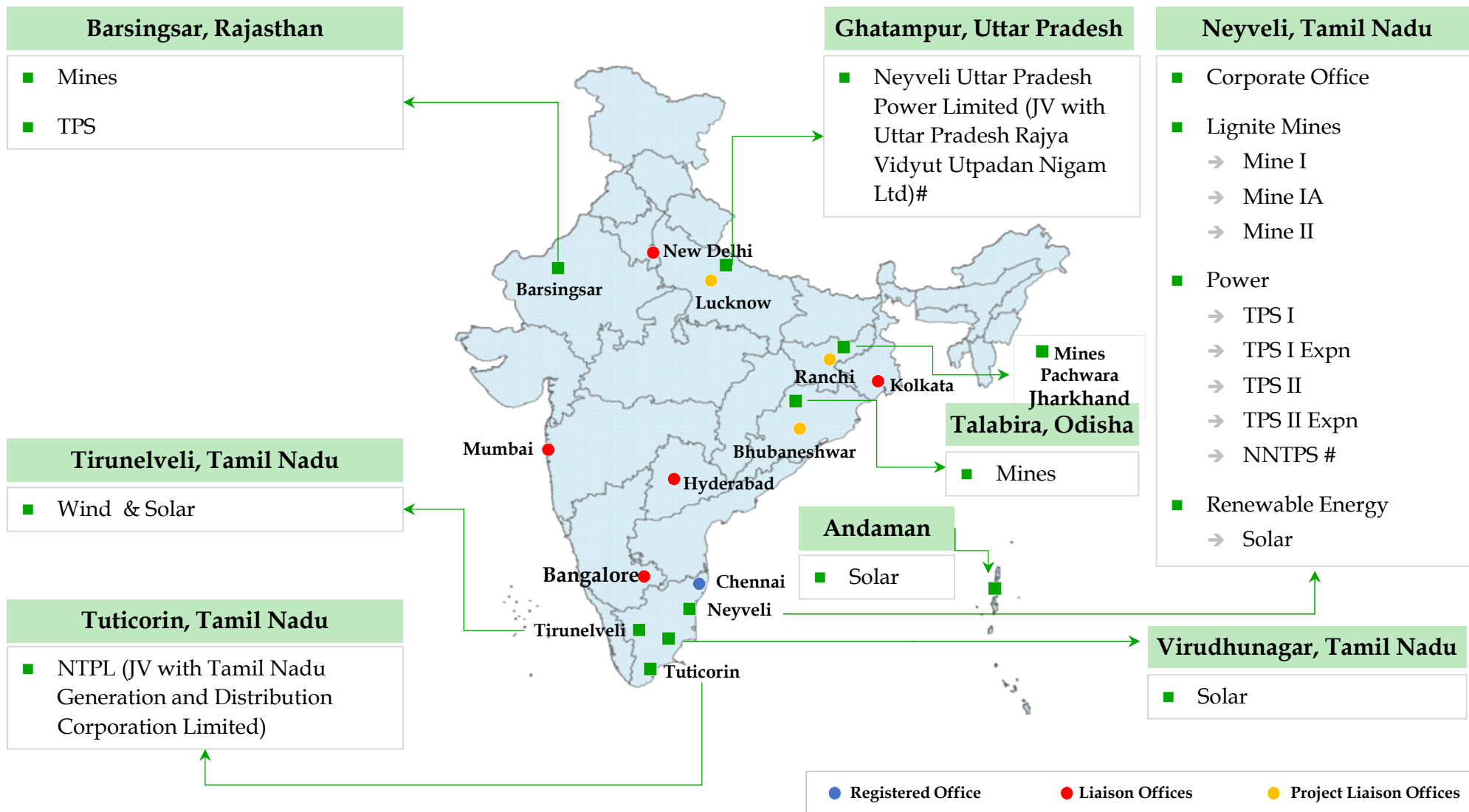
# Evolution & Key Milestones



# 500 MW Solar fully commissioned  
 \* 2.5 MW Out of 20 MW of Solar BESS  
 @ 263 MW out of 709 MW Solar



# Pan India Presence

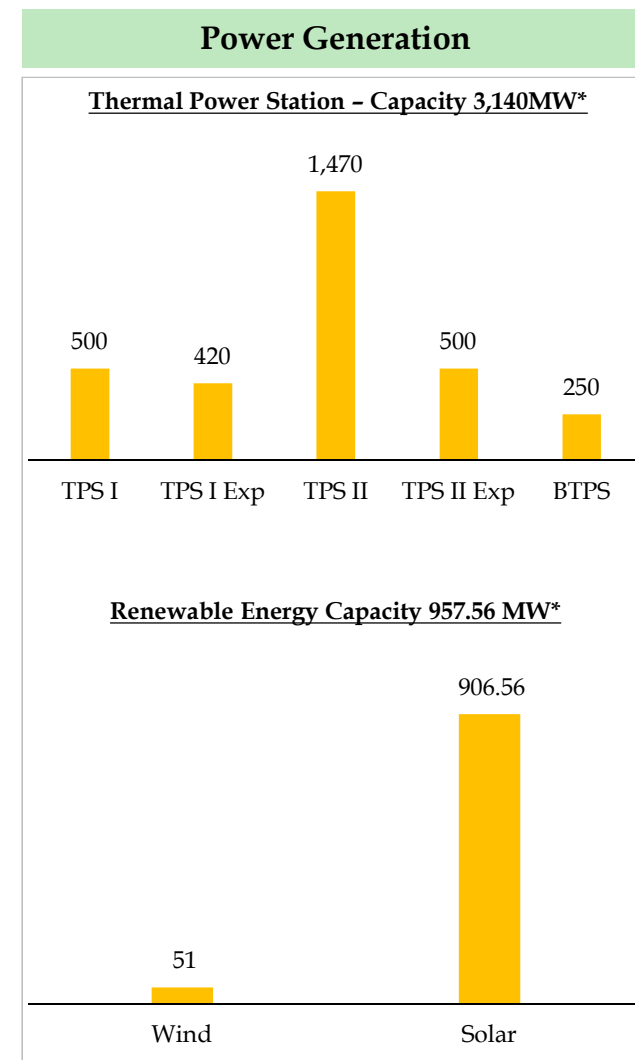
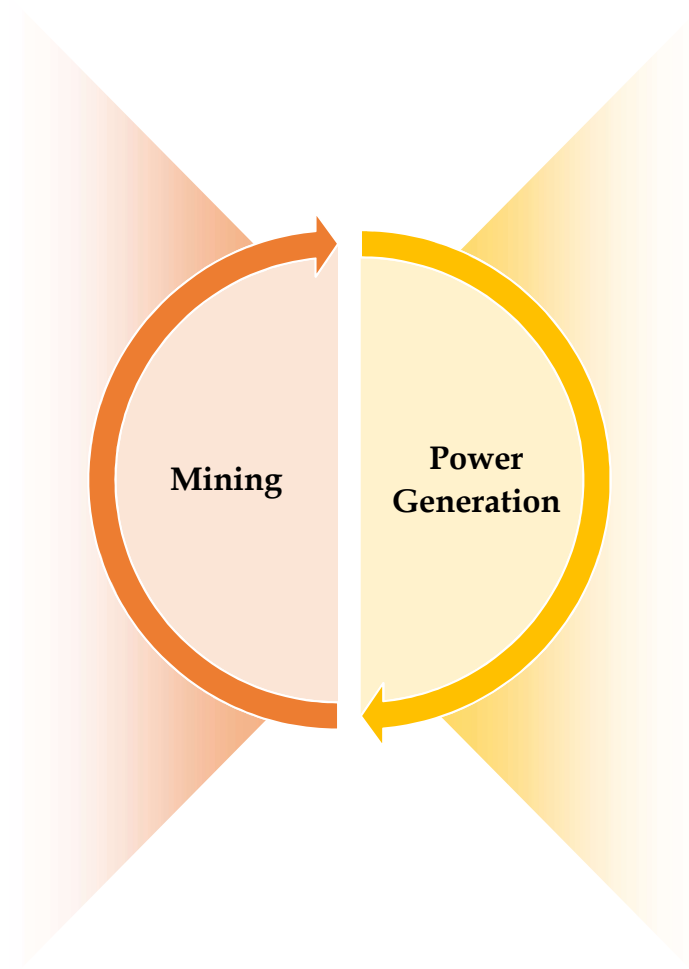
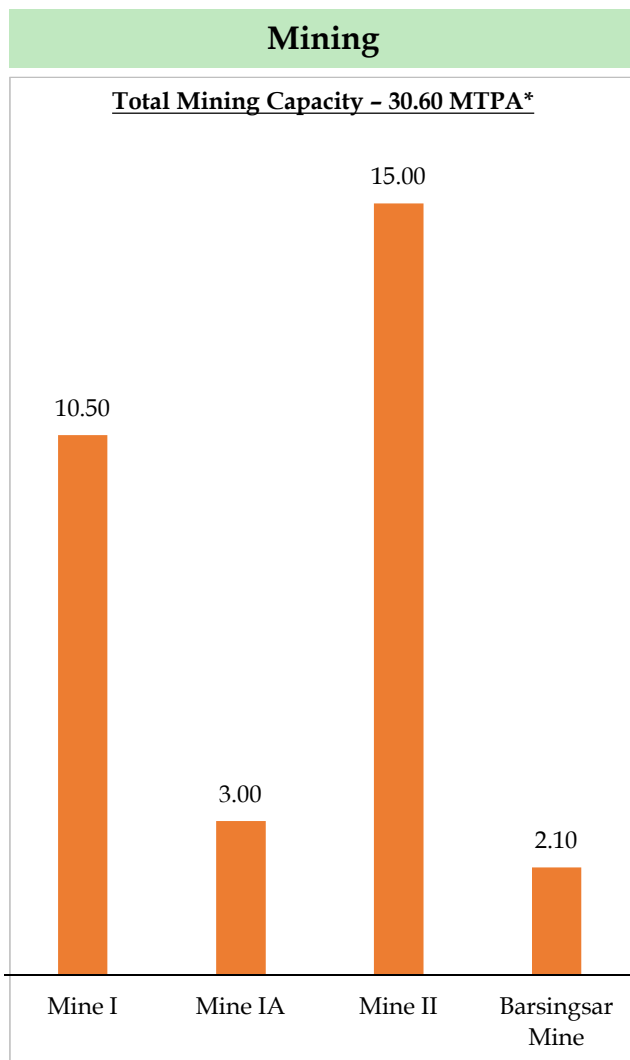


Note:- Map not to scale;

TPS = Thermal Power Station.

# Under Construction



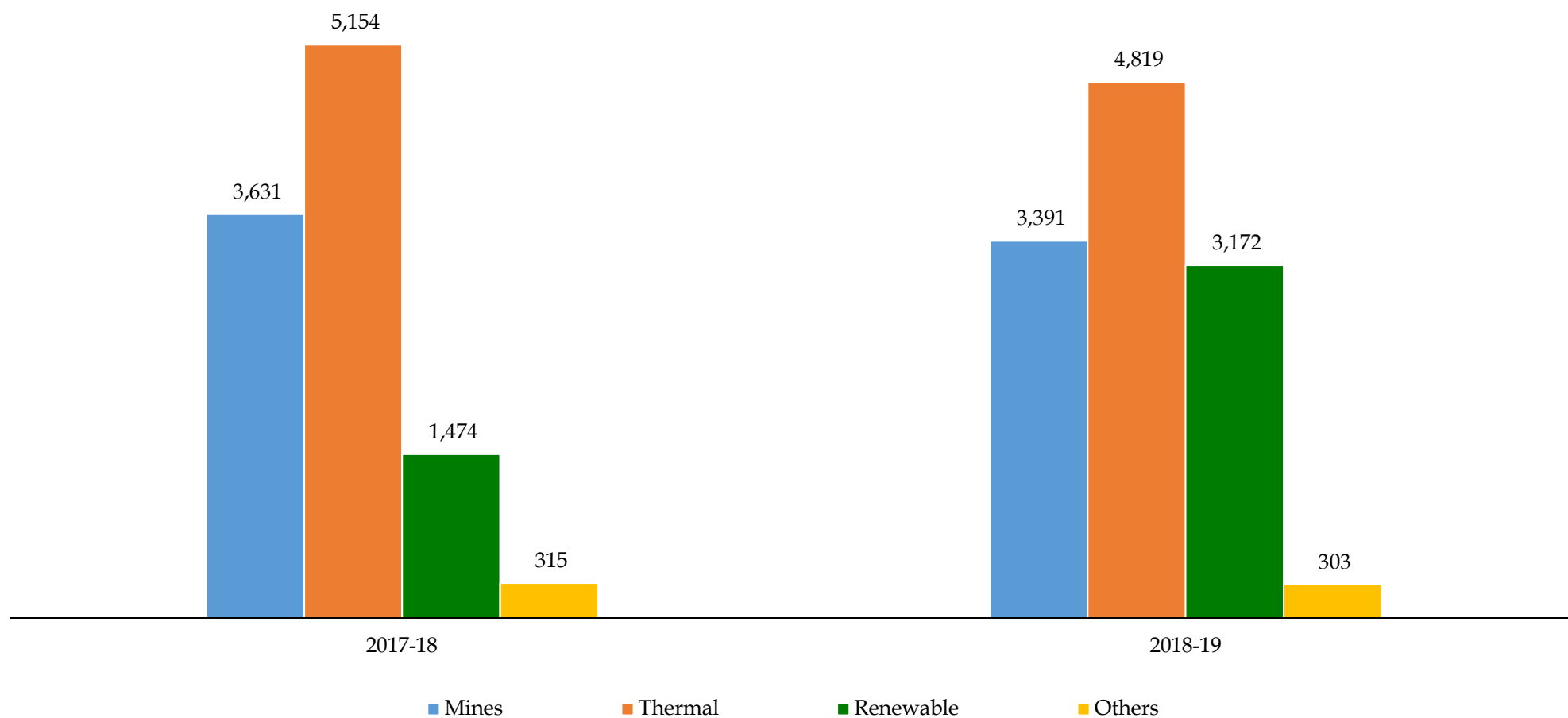


Note : Source from NLCIL Annual Reports and figures representing NLCIL Standalone financial statements  
 \*Existing Capacity as on 01.08.2019

# Details of Investments in Various Assets

Rs in Crore

## Segment wise Net Fixed Assets



Note : Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone;

## Expertise in Open Cast Mining & Power Generation

### Mining

- Long experience in operation, maintenance and project management in open- cast mining
- Asset bank of specialised mining equipments for open cast mining:
  - ➔ German excavation technology
  - ➔ 35 Bucket Wheel Excavators
  - ➔ Conveyor length – 108 KMs

### Power Generation

- Experience in running lignite based thermal power station.
- All thermal stations (including TPS I being more than 50 years old) are running at higher PLF than All India average PLF.

## Lignite Resources for Captive Consumption

- Captive fuel source with power plants located at the pit heads of Lignite mines
- Greater flexibility in terms of adjusting the lignite production to adjust for variations in power demands and power generation at thermal power plants
- Out of total measured lignite reserves of 6,787.53(Proved) MT in India as on 01.04.2019, Neyveli lignite field, Barsingsar, Bithnok and Hadla of NLCIL accounts for 3,067.25 MT.\*

## Nodal Agency for Lignite Mining

- Nodal Agency for Lignite database appointed by Ministry of Coal
- Market share \* of 54.72 % in Lignite mining in India during FY 2018-19 as compared to 53.92% in FY 2017-18



\*Source : Geological Survey Report as on 01.04.2019.

# Experienced Management and Board of Directors

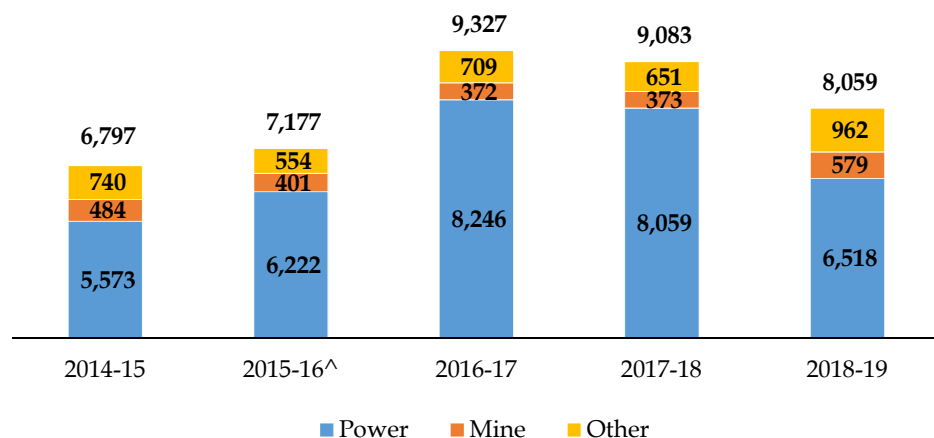
 <b>Shri Rakesh Kumar,</b> CMD & Director (Finance) (Addl.Charge)		
Part-time Official Director	 <b>Shri Vinod Kumar Tiwari</b> Additional Secretary, Ministry of Coal	 <b>Shri.Md Nasimuddin</b> Principal Secretary,Energy Govt.of Tamil Nadu
Functional Directors	 <b>Shri R. Vikraman,</b> Director (Human Resource)	 <b>Shri N.N.M.Rao,</b> Director (Planning & Projects)
	 <b>Shri Prabhakar Chowki</b> Director (Mines )	 <b>Shri Shaji John</b> Director (Power)
Independent Directors	 <b>Shri Azad Singh Toor,</b> Independent Director	 <b>Shri K Madhavan Nair,</b> Independent Director
	 <b>Ms. Nalini Padmanabhan,</b> Independent Director	 <b>Shri Indrajit Pal,</b> Independent Director
	 <b>Dr P Vishnu Dev,</b> Independent Director	 <b>V.Muralidhar Goud</b> Independent Director
	 <b>Shri N.K.Narayanan Namboothiri</b> Independent Director	



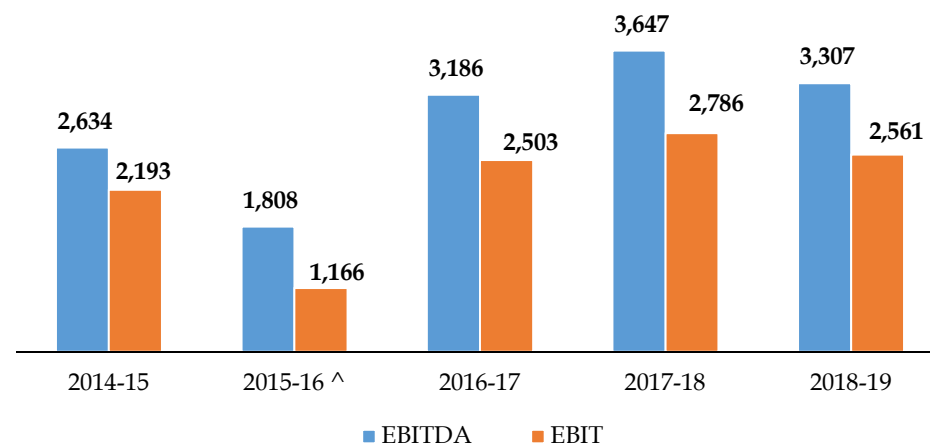
## Financial & Operational Performance

# Financial Performance

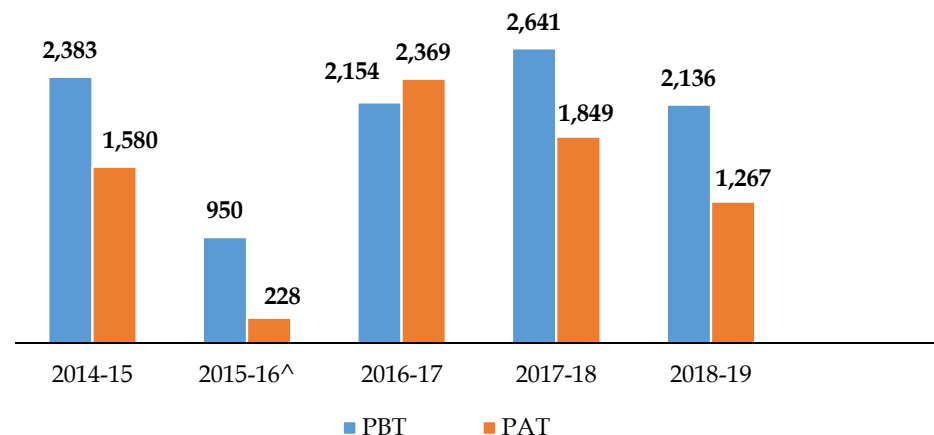
## Total Income (Rs in Crore)



## EBITDA\* & EBIT\* (Rs in Crore)



## # PBT & PAT (Rs in Crore)



## Key Financial Ratios

	2014-15	2015-16 <sup>^</sup>	2016-17	2017-18	2018-19
OPM* (%)	31.62	32.91	39.12	36.60	21.47
NPM (%)	23.24	3.18	25.40	20.35	15.72
ROCE (%)	12.81	1.69	18.95	12.16	8.28
RONW (%)	10.69	1.79	19.66	14.07	10.22
Current Ratio	3.55	1.70	1.41	1.39	1.57
Quick Ratio	3.16	1.47	1.15	1.20	1.35

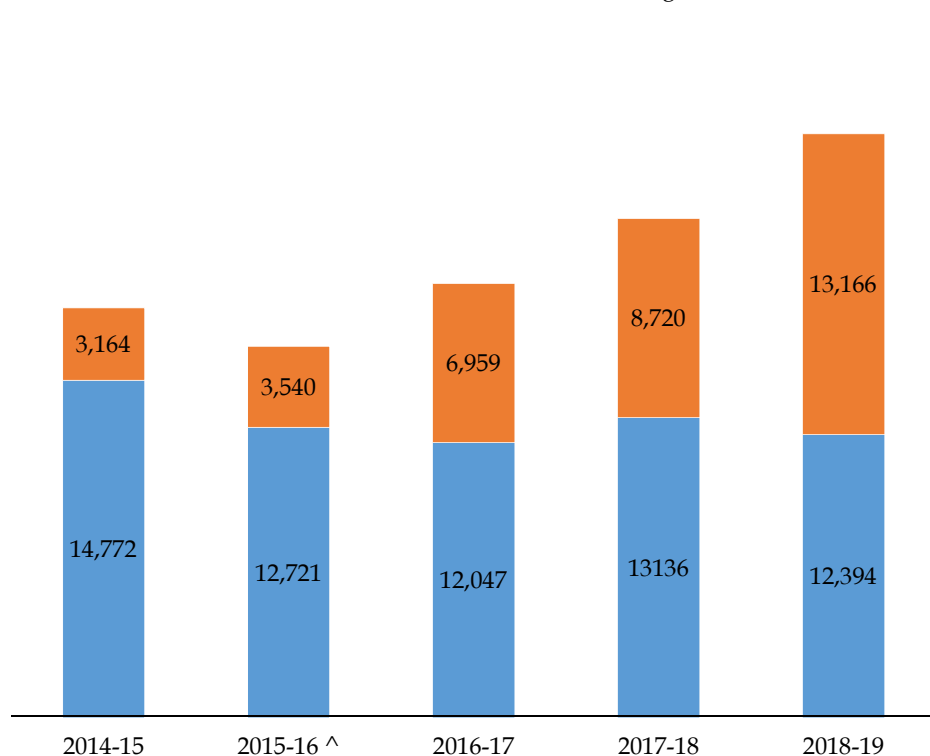
<sup>^</sup> Restated as per Ind AS \* EBITDA, EBIT & OPM computed considering Net Movement in Regulatory Expenses/ Income and without considering Exceptional Item.

# PBT considering Net Movement in Regulatory Deferral Income/ Expenses.

Note : Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone;

## Networth & Loans Outstanding (Rs in Crore)

■ Net Worth ■ Loans Outstanding



## Credit Ratings

Agency	Rating	Status
CRISIL	AAA/Stable	Highest
ICRA	AAA/Stable	Highest
CARE	AAA/Stable	Highest
Brickwork	AAA/Stable	Highest
India Rating	AAA/Stable	Highest

\* EBITDA computed considering Net Movement in Regulatory Expenses/Income and without considering Exceptional Item.

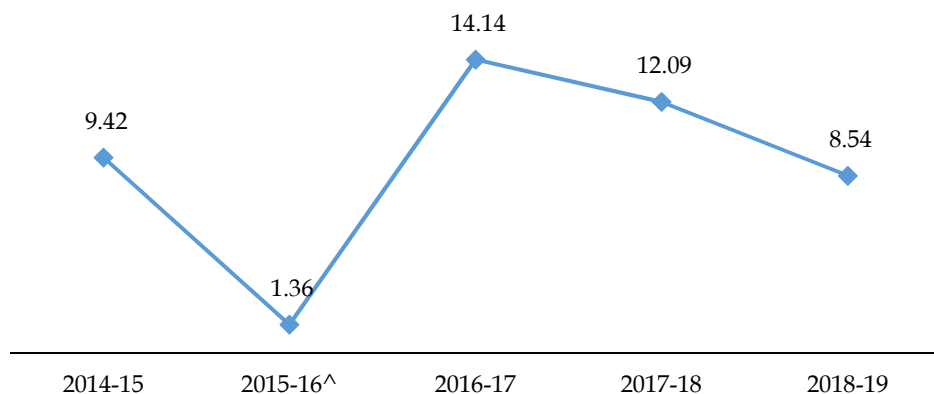
^ Restated as per Ind AS

On 29.05.2019, the company has allotted 14,750 Nos of bonds of Rs.10 Lakh each aggregating to Rs.1,475 Crore at a coupon rate of 8.09%.

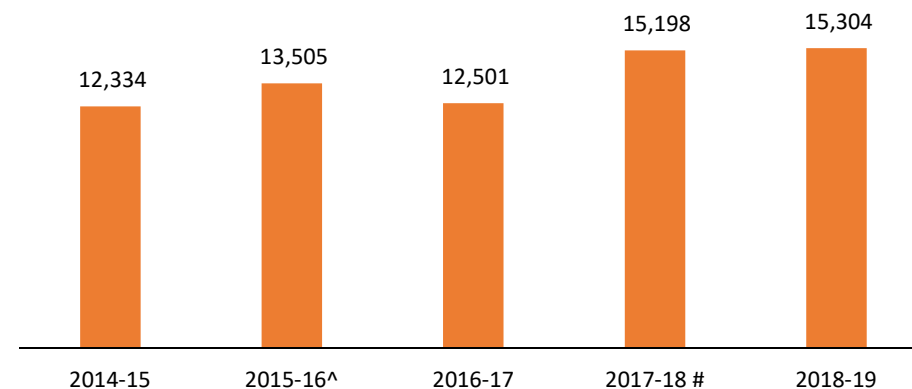
Note : Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone



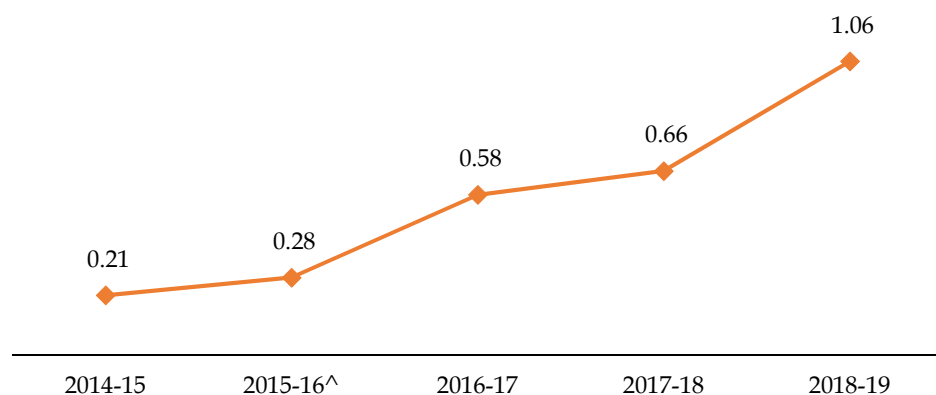
## Earnings Per Share (Rs.)



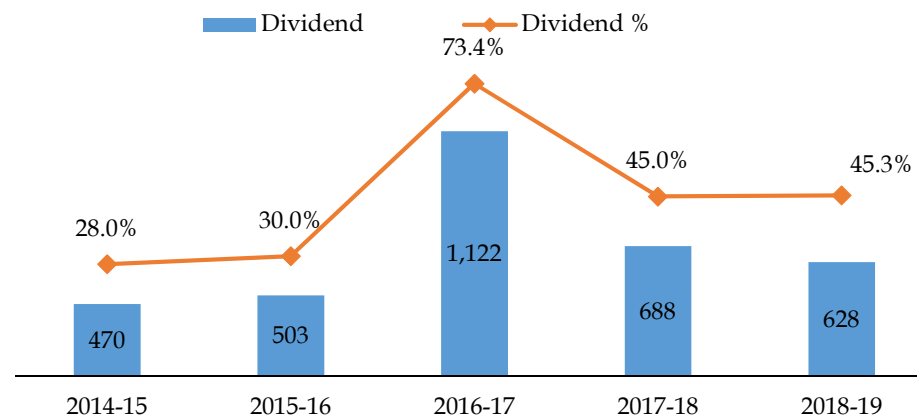
## Capital Employed (Rs in Crore)



## Debt-Equity ratio



## Dividend Trend (Rs in Crore)

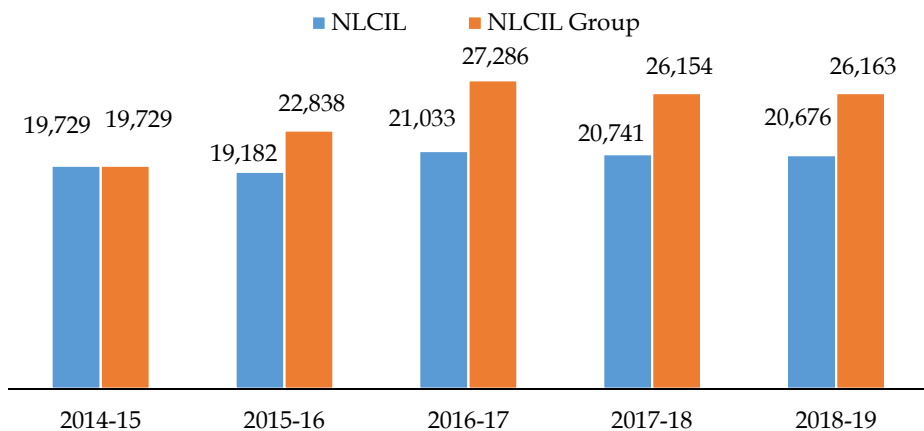


# Total Assets excluding CWIP and Asset under Development less Current and Regulatory Liability from FY 2017-18 onwards.

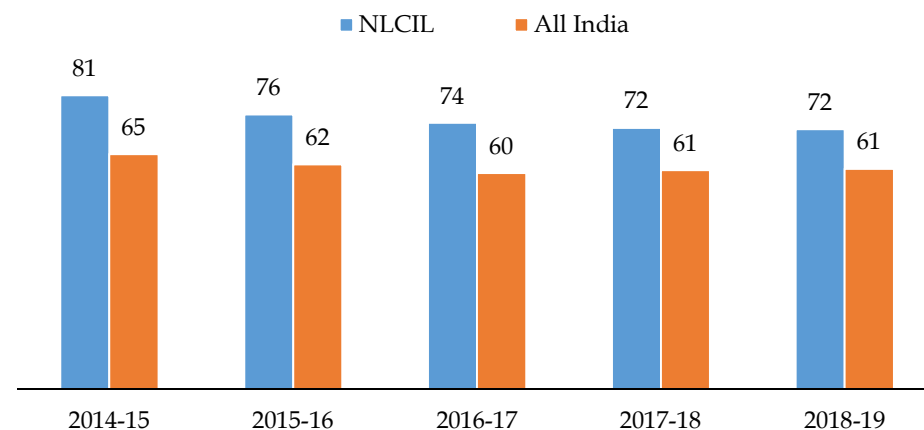
Note : Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone; <sup>^</sup> Restated as per Ind AS

# Operational Performance – Power Segment

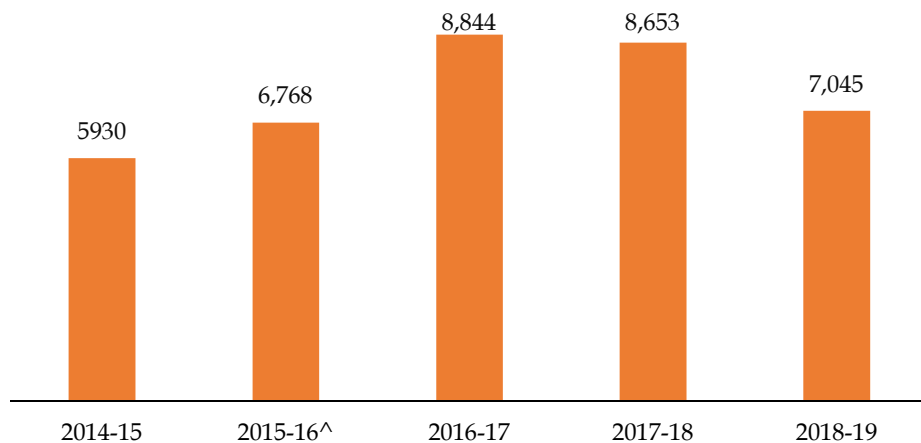
## Power Generation (MU)



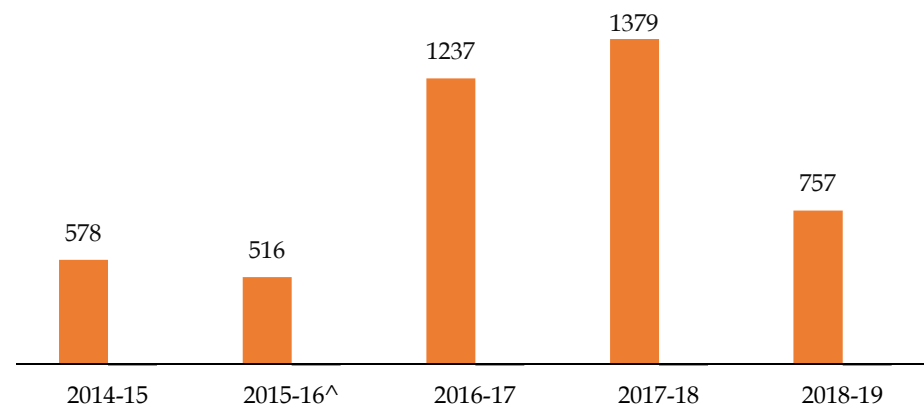
## PLF (%) Comparison - Thermal



## Revenue from Operations (Rs in Crore)



## EBIT (Rs in Crore)

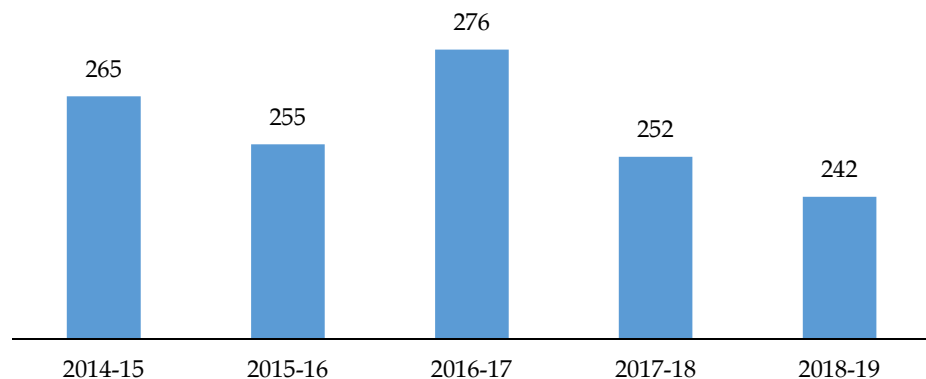


Source: Annual Report, Central Electricity Authority- Executive Summary Mar -19 Report

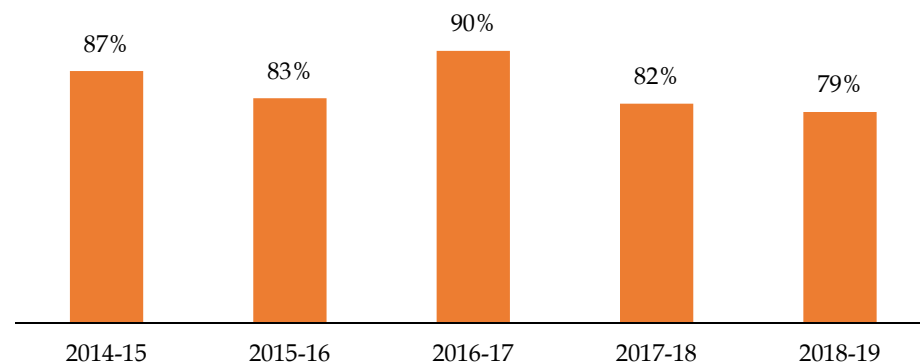
^ Restated as per Ind AS

# Operational Performance – Mining Segment

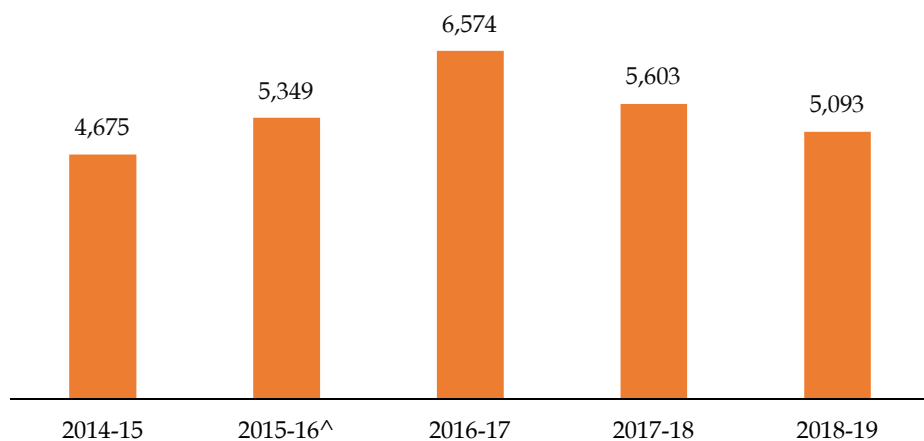
**Lignite Production (LT)**



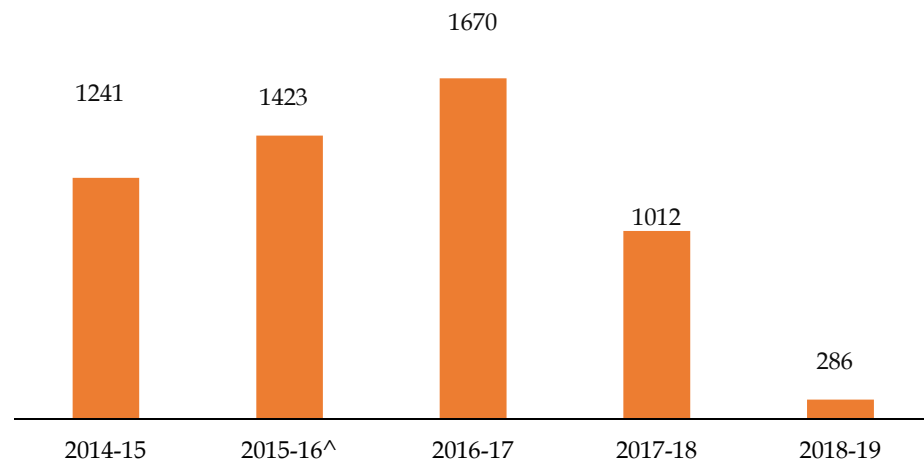
**Capacity Utilization (%)**



**Revenue (Rs in Crore)**



**EBIT (Rs in Crore)**



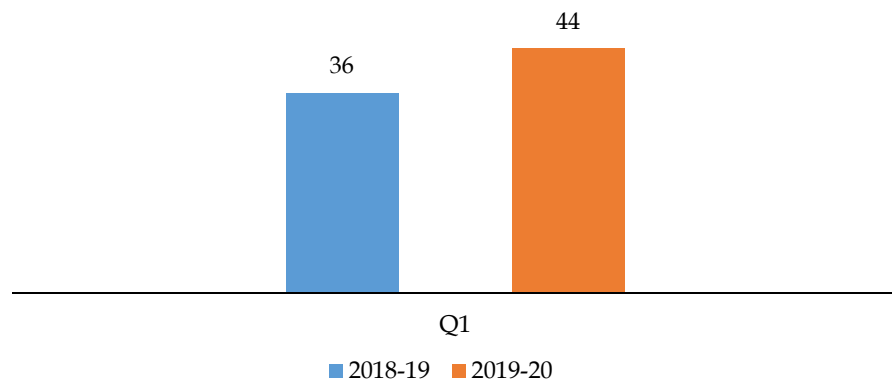
Note : Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone financial statements

^ Restated as per INDAS

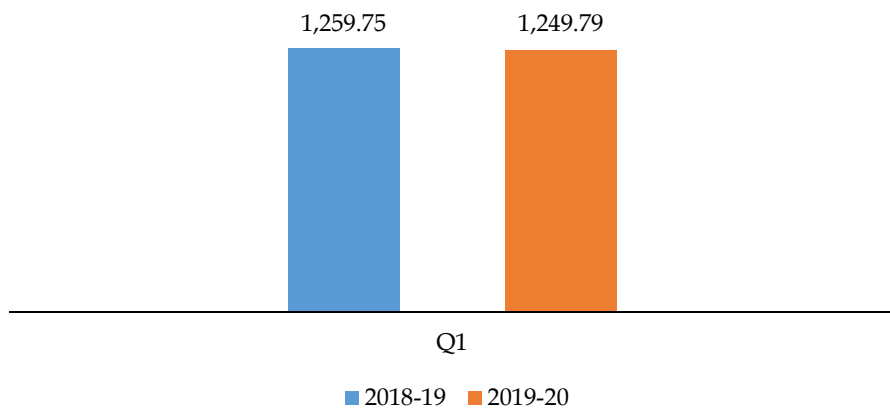
# Quarter -1 Performance - Segment (2019-20 vs 2018-19)

## Mining

### Lignite Production (LT)

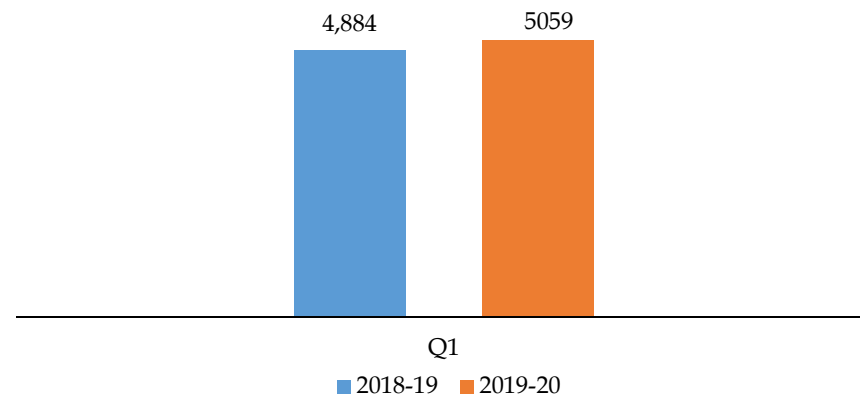


### Revenue (Rs in Crore)

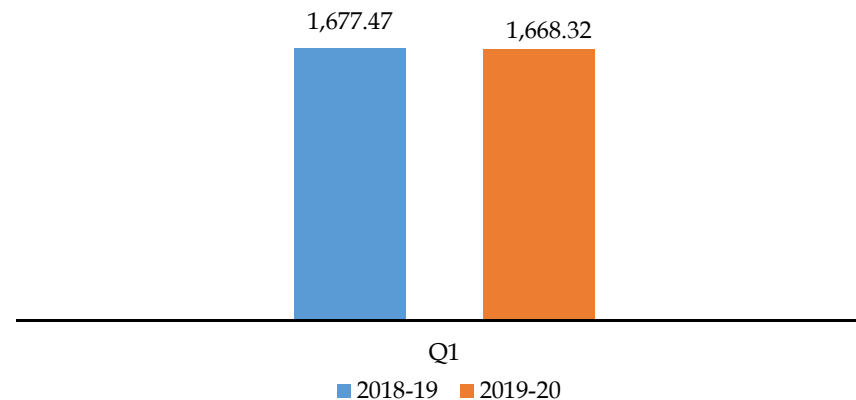


## Power

### Power Generation (MU)

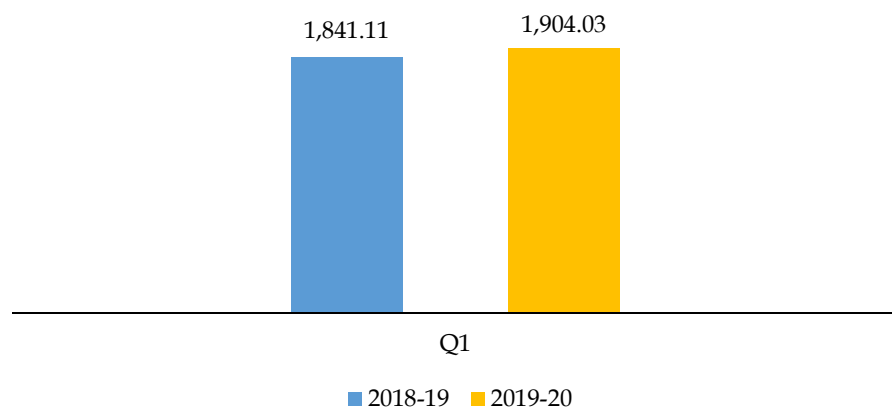


### Revenue (Rs in Crore)

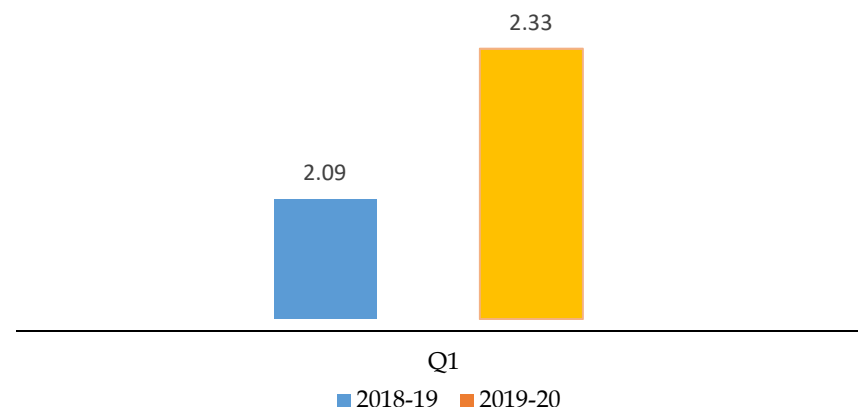


# Quarter -1 Performance - (2019-20 vs 2018-19)

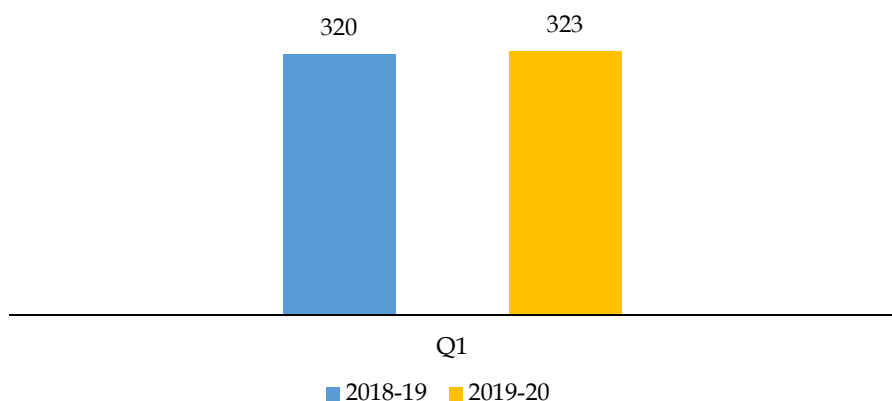
## Total Income (Rs in Crore)



## Earning Per Share - EPS



## Profit After Tax (Rs in Crore)

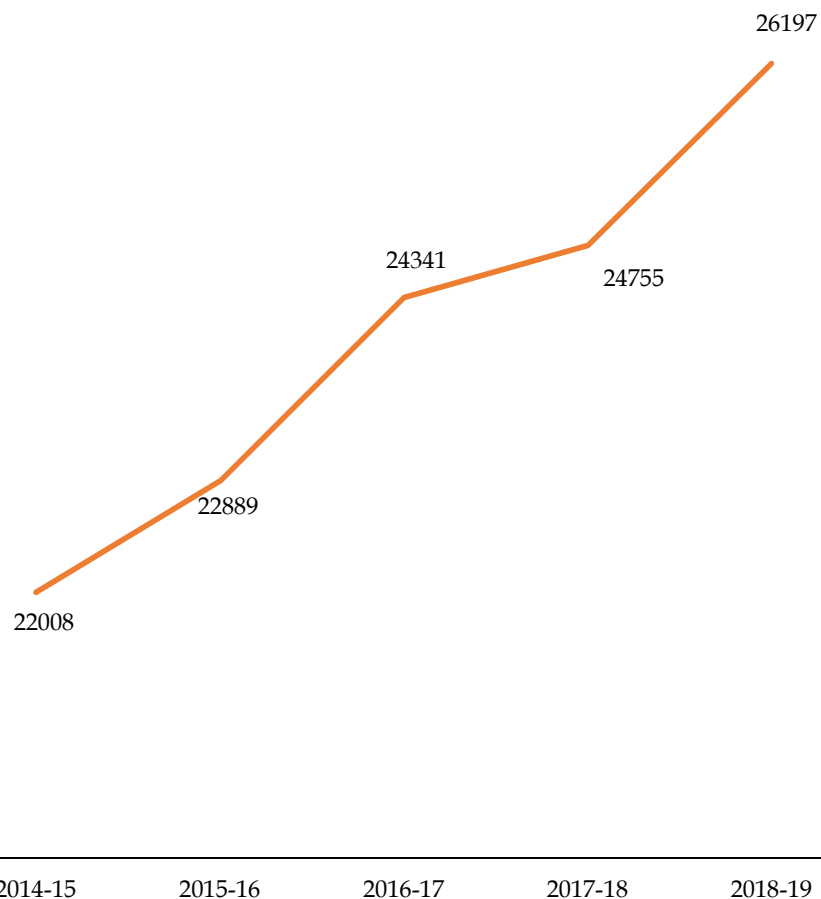


## Quarterly Income Statement (Rs in Crore)

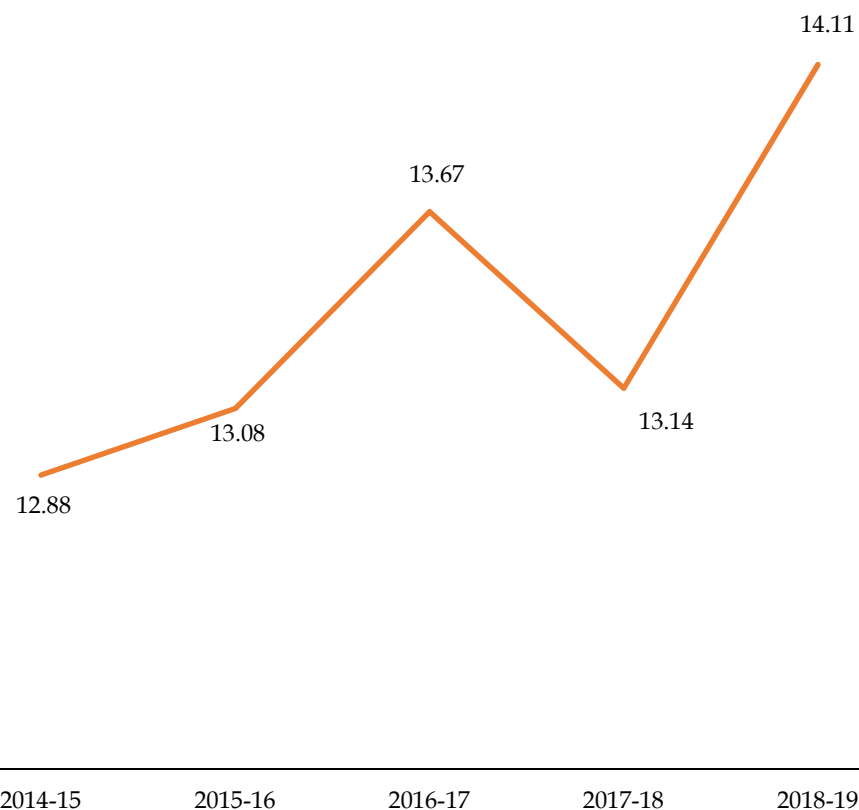
Rs in Crore	Sep-18	Dec-18	Mar-19	Jun-19
Total Income	1881.07	2070.29	2266.80	1904.03
EBITDA *	735.02	767.20	1071.78	755.55
EBITDA Margin (%)	39.07%	37.06%	47.28%	39.68%
PAT	327.72	329.49	290.13	323.04
PAT Margin (%)	17.42%	15.92%	12.80%	16.97%

# Efficiency Parameters

## Output per Man Shift - Power (KWhr)\*



## Output per Man Shift - Lignite (in Tonne)\*

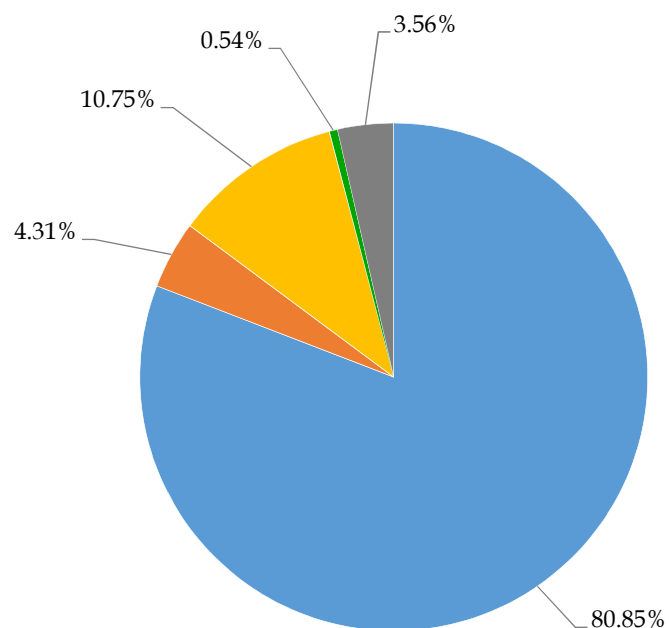


\* Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone

^ Restated as per Ind AS

# Shareholding Pattern

## Shareholding Pattern



**Total No. of Shares – 138,66,36,609**

- Govt. of India
- State Govt. Sponsored Institutions
- Mutual Funds, Financial Institutions & Banks
- Insurance Companies
- Others

## No. of Shareholders

<b>(A) Promoter &amp; Promoter Group</b>	
Govt. of India	1
<b>(B) Public</b>	
State Govt. - Sponsored Institutions	5
Mutual Funds, Financial Institutions & Banks	36
Insurance	3
Others	97,938
<b>Total</b>	<b>97,983</b>

**Market Cap – Rs. 8,056.36 Crore\***

Shareholding Pattern as on 02.08.2019

\*Market Cap as on 31.07.2019 (Closing Price of BSE @ Rs. 58.10)



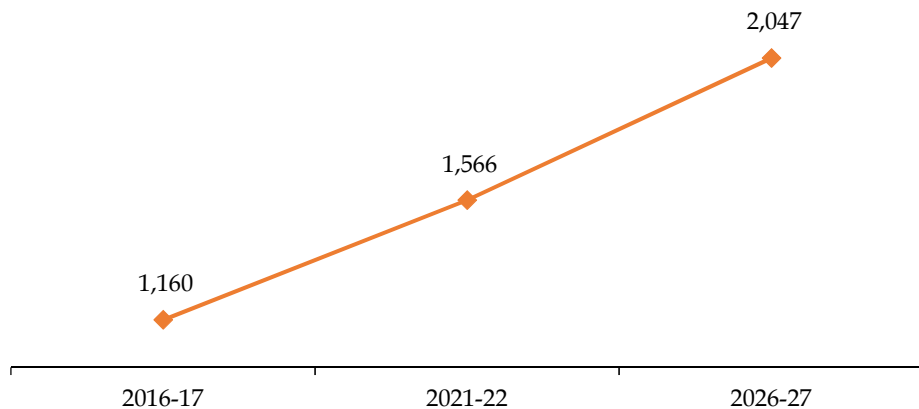


## Market Opportunity

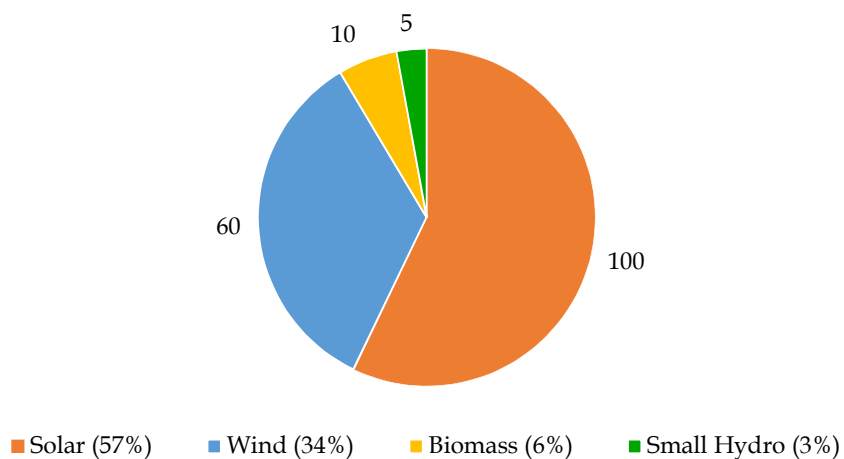
# Power Demand & Renewable Potential

## All India Electricity Requirement (in BU)

### Electrical Energy Requirement

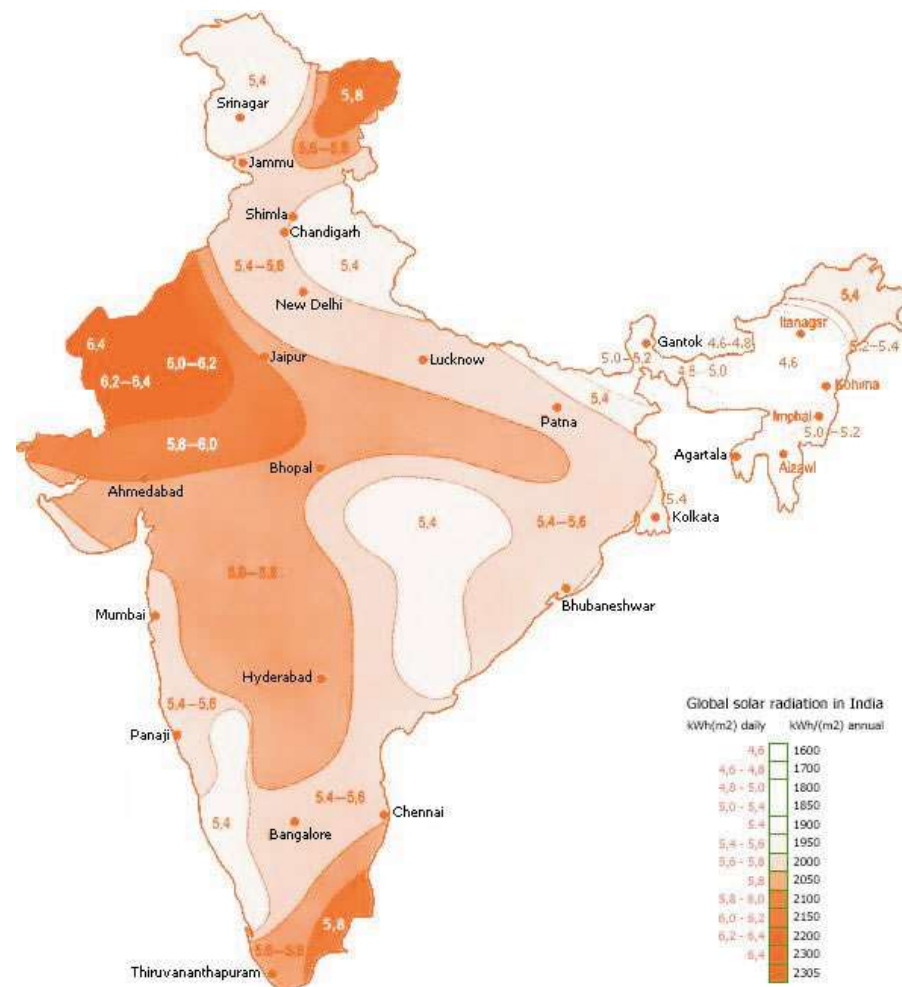


## Targeted Renewable Energy by 2022 (175 GW)

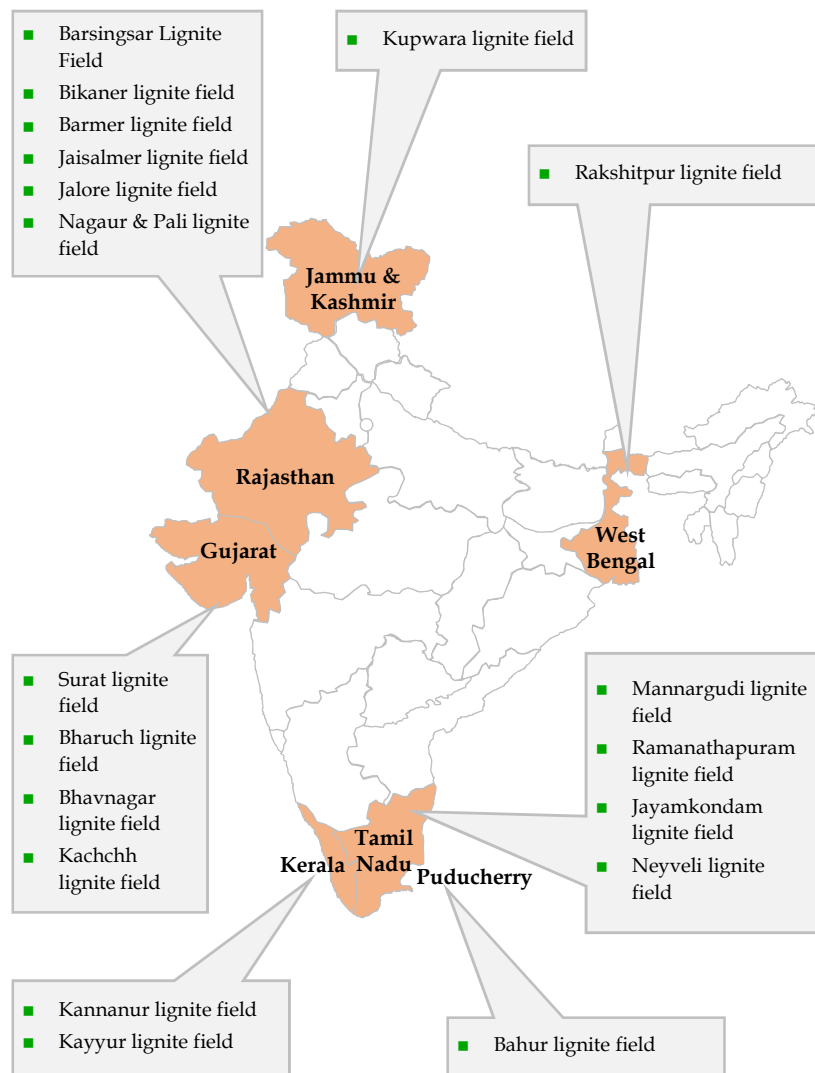


Source :National Electricity Plan January 2018; Map not to scale

## Untapped Solar Power Potential



# Lignite Reserves in India



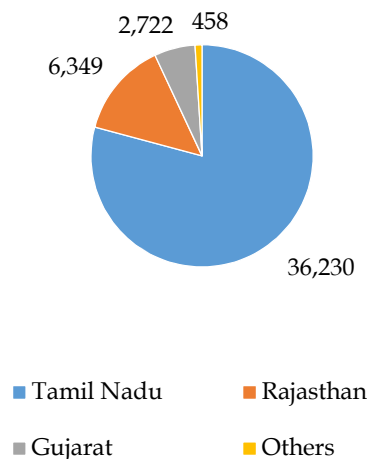
Map not scale

\*Source : In house survey report as on 01.04.2019 (provisional)

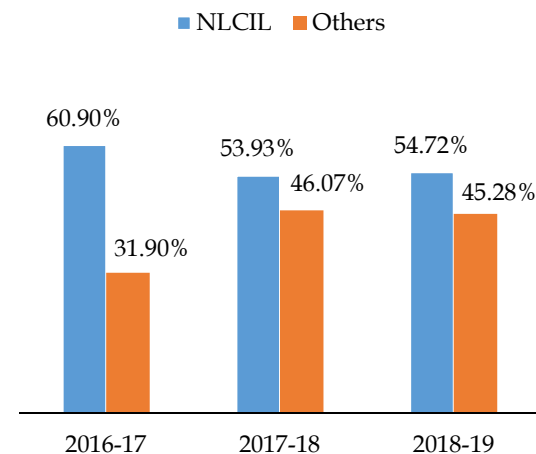
## State wise Geological resources in MT as on 01.04.2019\*

STATE	Proved	Indicated	Inferred	Total	%
Puducherry	0.00	405.61	11.00	416.61	0.91
Tamil Nadu	4340.35	22496.63	9392.85	36229.83	79.18
Rajasthan	1168.53	3029.78	2150.77	6349.08	13.88
Gujarat	1278.65	283.70	1159.70	2722.05	5.95
J&K	0.00	20.25	7.30	27.55	0.06
Kerala	0.00	0.00	9.65	9.65	0.02
West Bengal	0.00	1.13	2.90	3.93	0.01
<b>Total</b>	<b>6787.53</b>	<b>26237.10</b>	<b>12734.07</b>	<b>45758.70</b>	<b>100.00</b>

## Lignite Reserves (MT)\*

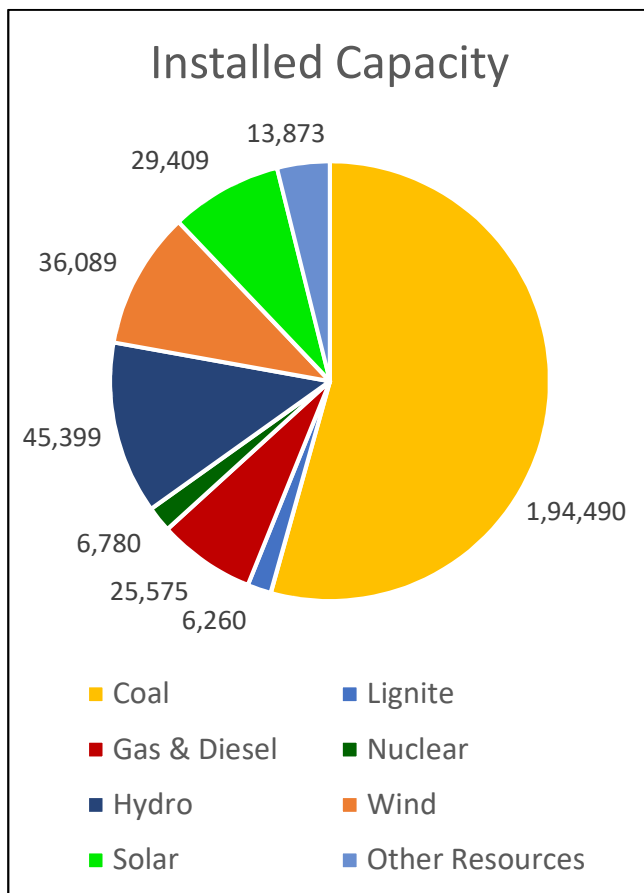


## Market Share of Lignite Production

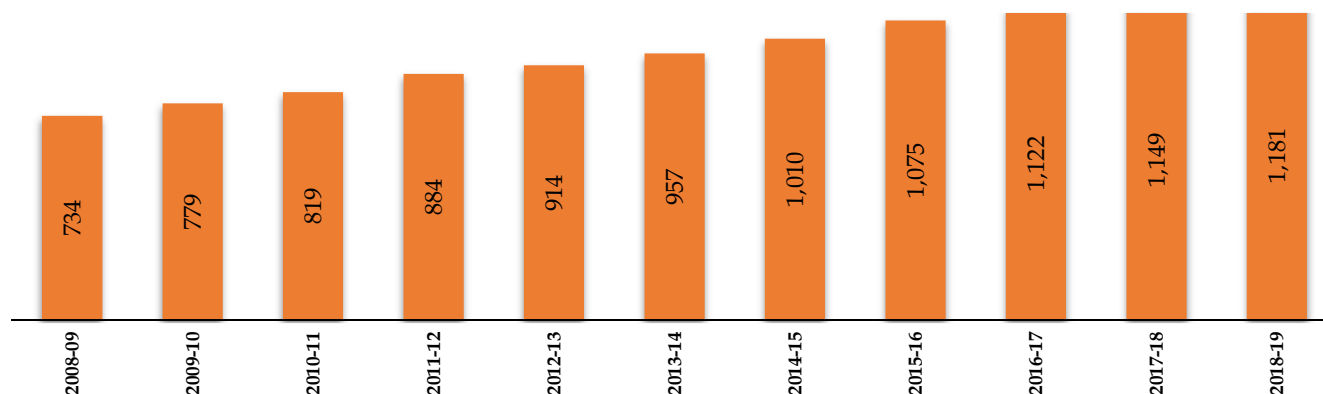


## Installed Capacity as on 30.06.2019

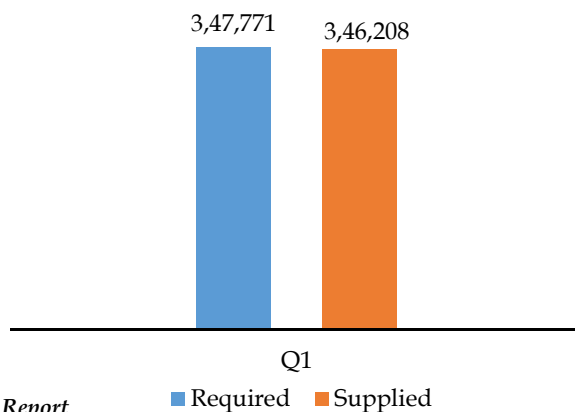
3,57,875 MW



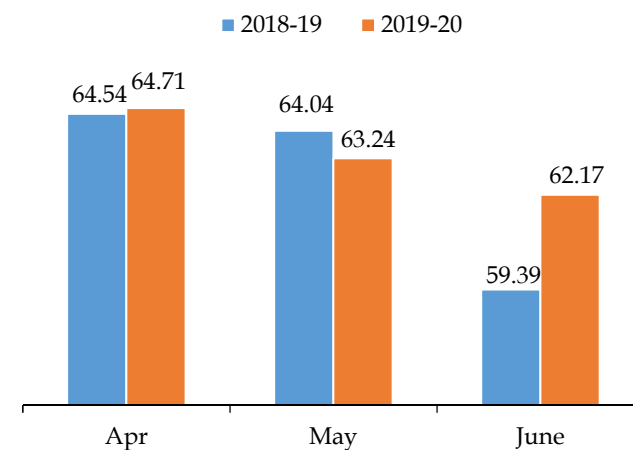
## Per Capita Consumption (kWhr)



## All India Energy Requirement & Supply (MU) : Apr-19 to Jun-19 (Provisional) - MU



## All India Plant Load Factor of Thermal Plants (Excluding Gas Based Plants) %



Source : Central Electricity Authority – Executive Summary June-19 Report



## Growth Plans

# NLCIL Growth Plan – Vision 2025

Sl. No	Project	Existing Capacity*	Addition Proposed	Total
1	Lignite (MTPA)	30.60	31.55	62.15
2	Coal (MTPA)	0	31.00	31.00
	<b>Total Mining (MTPA)</b>	<b>30.60</b>	<b>62.55</b>	<b>93.15</b>
3	Power - Lignite Based (MW)	3,140	3,640	6,780
4	Power - Coal Based (MW)	1,000	5,980	6,980
5	Power - Renewable (MW)	958	3,293	4,251
6	Acquisition of Power Assets (MW)	0	3,000	3,000
	<b>Total Power (MW)</b>	<b>5,098</b>	<b>15,913</b>	<b>21,011</b>

\* Note: Existing Capacity as on 31.07.2019;

Source : NLCIL Corporate Plan 2025

The Corporate Plan 2025 includes investments through subsidiaries and Joint Ventures

## Growth Plan over 3 Years

Sl. No	Project	Existing Capacity *	Addition Proposed	Total
1	Lignite (MTPA)	30.60	27.00	57.60
2	Coal (MTPA)	0	31.00	31.00
	<b>Total Mining (MTPA)</b>	<b>30.60</b>	<b>58.00</b>	<b>88.60</b>
3	Power - Lignite Based (MW)	3,140	1,820 #	4,960
4	Power - Coal Based (MW)	1,000	2,780	3,780
5	Power - Renewable (MW)	958	3,293	4,251
6	Acquisition of Power Assets (MW)	0	3,000	3,000
	<b>Total Power (MW)</b>	<b>5,098</b>	<b>10,893</b>	<b>15,991</b>

\* Existing Capacity as on 31.07.2019 .

# NNTPS of 1000 MW to replace existing TPS I of 600 MW(100 MW already decommissioned ,accordingly net 500 MW has been considered).

Source : NLCIL Corporate Plan 2025

The Corporate Plan 2025 includes investments through subsidiaries and Joint Ventures



# On going / Upcoming Mining Projects

Rs. in Cr

## On Going Projects

Lignite Projects	MT	Estimated Cost	Expected COD
Expansion of Mine-IA from 3 MTPA to 7 MTPA	4.00	709.06	2020-21
* Bithnok Lignite Mine, Rajasthan	2.25	513.63	On Hold
* Hadla Lignite Mines, Rajasthan	1.90	522.45	On Hold
Mine III Neyveli	11.5	2,130.30	Mar-21
<b>Total</b>	<b>19.65</b>	<b>3,875.44</b>	

Rs. in Cr

## Upcoming Projects

Lignite Projects	MT	Estimated Cost	Expected COD
Palayamkottai & Vellar^	11.50	-	Mar-22
* Barsingsar Expansion, Rajasthan	0.40	-	On Hold
<b>Total</b>	<b>11.90</b>	<b>-</b>	

**Total Lignite: 31.55 MT**

Rs. in Cr

## Coal Projects

Coal Projects	MT	Estimated Cost	Expected COD
Talabira II & III Coal Blocks	20.00	2401.07	Feb 2020
South Pachwara Coal Block **	11.00	1795.00	Mar 2020
<b>Total</b>	<b>31.00</b>	<b>4196.07</b>	

**Total Coal: 31.00 MT**

Source : NLCIL Corporate Plan 2025,

^ Under approval,

\*\* Allotted for NUPPL

\* These projects are on hold

# On going / Upcoming Power Projects

## On Going Projects

Lignite based TPS:	MW	Estimated cost (Rs. in Cr)	Expected COD
Neyveli New Thermal Power Project	500*	7,080.41	Aug-19 Dec- 19
Bithnok TPS^	250	2,196.30	On Hold
Barsingsar TPS Expn^	250	2,112.59	On Hold
TPS-II 2 <sup>nd</sup> Exp Phase I	1,320	8,733.49	Mar-23 Sep- 23
<b>Total</b>	<b>2,320</b>	<b>20,122.79</b>	

Coal based TPS	MW	Estimated cost (Rs. in Cr)	Expected COD
NUPPL - UP	1,980	17,237.80	Unit I - Nov 20 Unit II - May 21 Unit III - Nov 21
Odisha Pit head TPS phase I	2400	17,636.78	May-23, Nov 23 May 24
<b>Total</b>	<b>4380</b>	<b>34,874.58</b>	

Renewable	MW	Estimated cost (Rs. in Cr)	Expected COD
Solar - Andaman (20 MW)	20^^	130.77	Mar 20
Solar - TN (709 MW)	709#	3035.93	Sept-19
<b>Total</b>	<b>729</b>	<b>3166.70</b>	

## Upcoming Projects

Renewable	MW	Estimated cost (Rs. in Cr)	Expected COD
Solar - in various States	2,630	-	Mar 22
Wind Power - TN	200	-	Mar 20
<b>Total</b>	<b>2,830</b>	<b>-</b>	

Lignite based TPS	MW	Estimated cost (Rs. in Cr)	Expected COD
TPS-II 2 <sup>nd</sup> Exp Phase II	1,320	-	Mar-24

Coal based TPS	MW	Estimated cost (Rs. in Cr)	Expected COD
Odisha TPP Phase II	800	-	Mar-24
Odisha TPP Phase III	800	-	Sep-24
<b>Total</b>	<b>1600</b>		

Power Assets Acquisition	MW	Expected COD
Power Assets	1200	2020-21
Acquisition	1800	2021-22
<b>Total</b>	<b>3000</b>	

Note: NNTPS of 1000 MW to replace existing TPS I of 600 MW (100 MW already decommissioned accordingly net 500 MW has been considered).

^ These projects are on hold.

^^ Out of 20 MW, 2.5MW is already commissioned during the year 2018-19.

#Solar Project 709 MW has been Partially Commissioned 263 MW as at 1st Aug 2019

Source : NLCIL Corporate Plan 2025



## Corporate Social Responsibility

## Details of CSR expenditure (Rs. Cr)

Year	Norm	Actual
2016-17	43.46	37.19
2017-18	37.32	43.59#
2018-19	45.17	49.46

## Green belt development

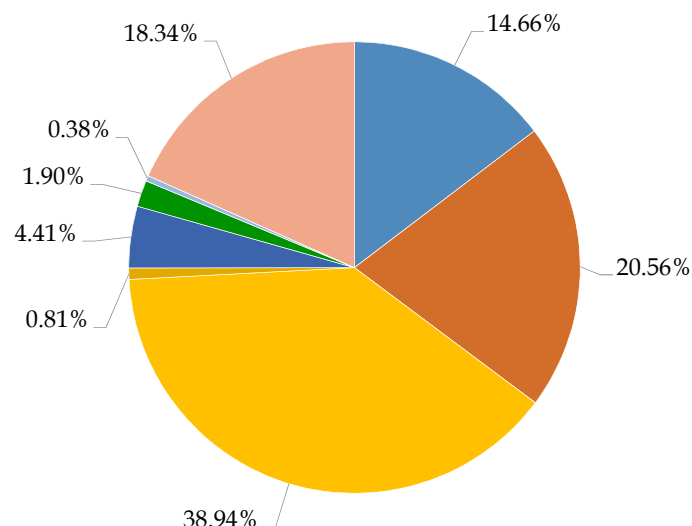


*Neyveli Township Overview  
Green Cover with  
191 lakh trees.*



*Paddy field on  
Reclaimed Mined land  
at Neyveli*

## % of amount spent on CSR Activities in 2018-19



- Health & Sanitation
- Education
- Infrastructure
- Old Age Home

- Water & Irrigation
- Promotion of Sports
- Environmental Sustainability
- Others



#Includes unspent carry forward of 2016-17 amounting to Rs.6.27 Crore

# New Initiatives – Sustainable Development

## Energy Conservation

- Formed 14 industrial service units for adoption of energy conservation measures
- Installation of energy efficient equipments
- Energy Audit for Thermal Power Stations
- Intensive installation of LED bulbs in township area
- Minimisation of idle running hours in crushers in TPSs
- Timer Processor units are being installed in outdoor lights
- Adding of capacitor banks through induction motors
- 50.77 MU of energy conserved through energy efficiency measures

## Technology Absorption

- Techno Economic Feasibility done for solar drying of lignite.
- Development of Micro Hydel power generation
- Pilot project of Floating Solar PV plant of 200 Kw at thermal lake is in progress
- Extraction of construction grade sand from overburden materials
- Studies on Zeolite based catalyst for mitigation of exhaust gas pollution
- Exploring alternate use of lignite is in progress.

## R & D Initiatives

- **Other R&D Initiatives**
  - Underground Coal Gasification, Silica sand Beneficiation Plant, Development of fly ash based pesticide, Dynamic Loading of Conveyors
- 2 projects completed – Conservation of energy through implementation of Programmable Logic Control (PLC) based Dynamic Loading System in Conveyors & Delineation of buried sub-surface objects in Opencast mines.
- Extracting Methanol from Lignite is also under consideration.

- Risk in Land acquisition
- Realisation of Dues from DISCOMs
- Surrender of Power by beneficiaries
- Denial of agreed tariff due to delay in commissioning of projects.
- Competition consequent to de – regulation in Indian power sector
- Risk due to stringent Environmental norms
- Stringent Norms prescribed by regulatory authority affecting power tariff.
- Cost and time overrun of projects under execution
- Higher cost of lignite Mining



# Thank You