











NLC India Limited

A "Navratna" – Government of India Enterprise

Corporate Presentation

November 2022



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Company Overview & Performance Highlights



NLC India Ltd | Introduction







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 - 79.20% as on 04.11.2022)



Mining, Power Generation and Trading of Power



Regional Presence to National Level Presence



Advanced Technology





Robust Financial Performance in Revenue, Profit and Net worth. Highest domestic credit rating. Consistent track record of Dividend.



Skilled Manpower



Present Composition of Board - Total 10 Directors (4 Functional Directors including CMD, 2 Government Nominee and 4 Independent Directors).*

* Govt. of India has sanctioned totally 16 Directors but present composition of the Board is 10. Ministry of Coal, the Administrative Ministry, has been appraised to fill up for two functional director and four independent directors.



Board of Directors





Shri Rakesh Kumar, Chairman-cum-Managing Director Director - HR (Addl.Charge) & Director - Finance (Addl.Charge)

Part-time Official Director



Shri M. Nagaraju Additional Secretary, Ministry of Coal, GoI.



Shri Ramesh Chand Meena Additional Chief Secretary to Govt. of Tamil Nadu, Energy Department



Shaji John Director - Power



Shri Mohan Reddy Director - Planning & Projects

Functional Directors



Dr. Suresh Chandra Suman Director - Mines



Shri Subrata Chaudhuri Independent Director



Shri Prakash Mishra **Independent Director**

Independent Directors



Prof. Nivedita Srivastava **Independent Director**



Shri M.T.Ramesh **Independent Director**

Note: Composition of the board as on 11.11.2022



Vision & Mission



Vision:

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

To continue to be a socially responsiveness company.



- 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

ESG Mission

• To play an active role in society and be sensitive to emerging environment issues.

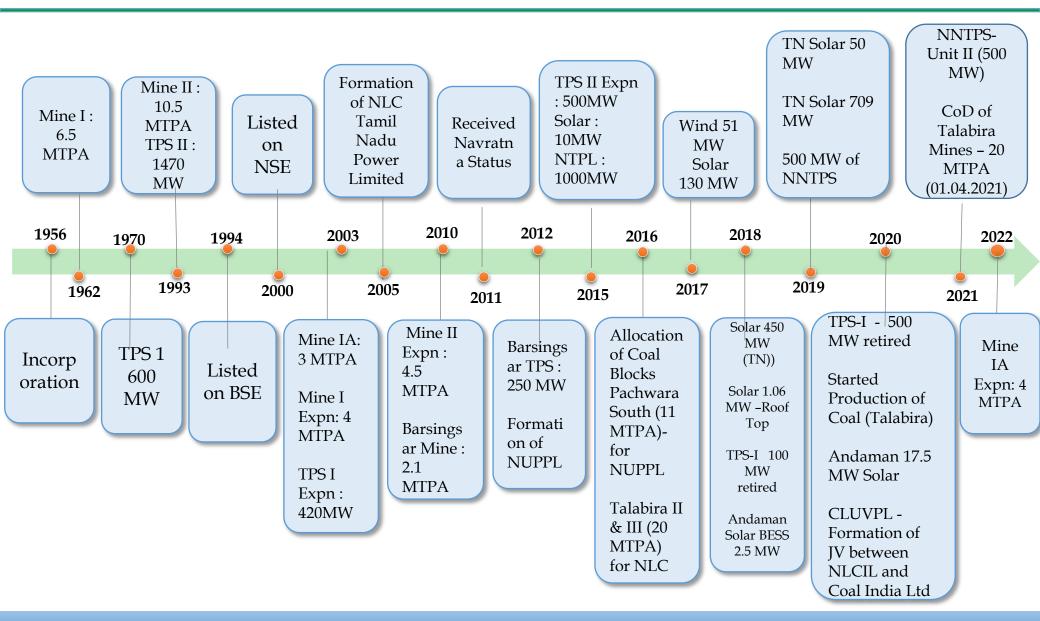


- N- National Orientation
- L Learning and Development
- C- Commitment for Excellence
- I Innovation and Speed



Evolution & Key Milestones

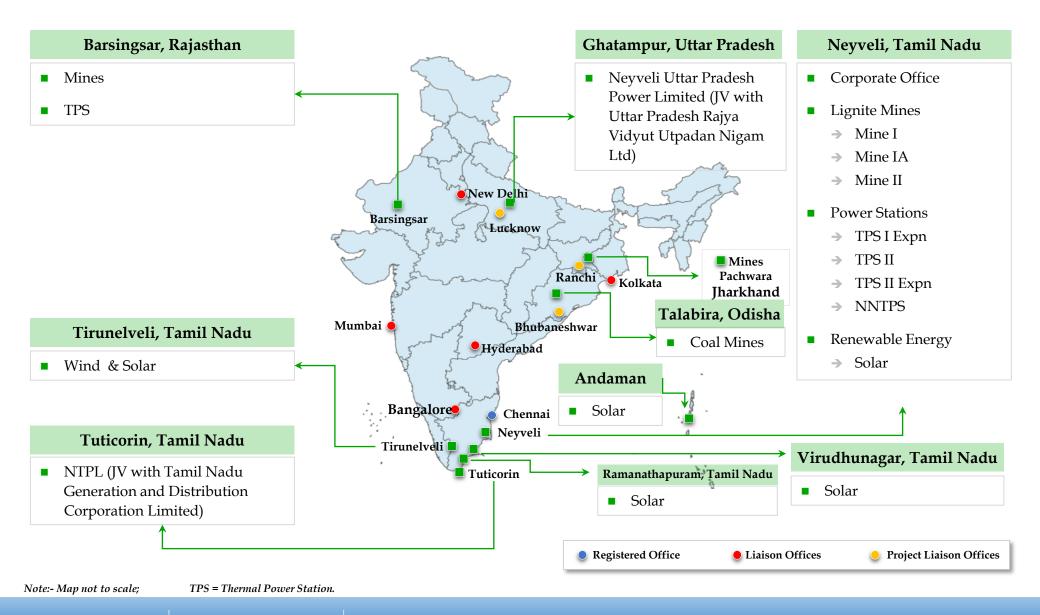






Pan India Presence

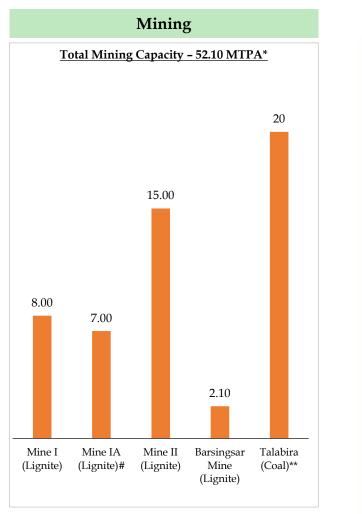


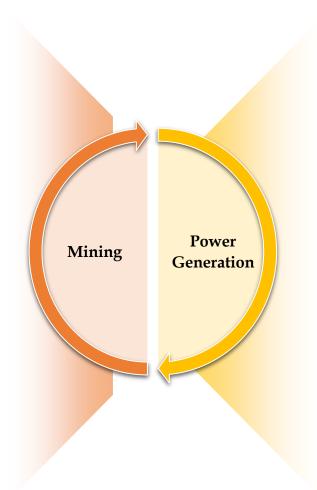


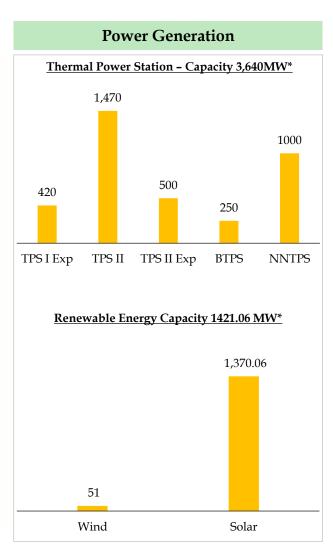


NLCIL's Core Business









Note: Source from NLCIL Annual Reports and figures representing NLCIL Standalone financial statements *Existing Capacity as on 31.10.2022.

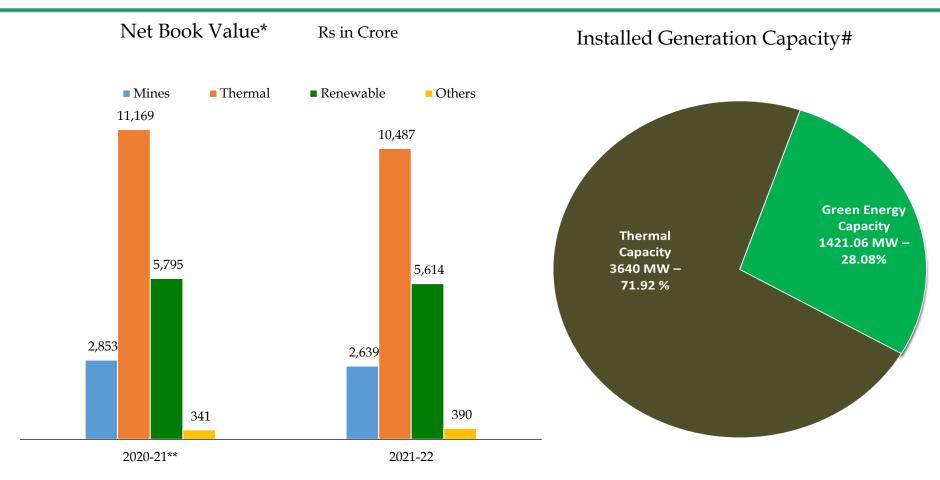
CoD of Mine IA Exp is on 01.04.2022 and achievement of full capacity of 4 MTPA expected by 2028

^{**} CoD of Talabira Coal Mines is on 01.04.2021 Achievement of Full Capacity expected by Jan 2027



Segment Investments & Green Portfolio





#As on 30.06.2022

^{*}Note: Source from NLCIL Financial Results/Annual Reports and figures representing NLCIL Standalone as on 31st March'2022 ** Restated



Strong In-House Capabilities



Expertise in Open Cast Mining & Power Generation

Lignite / Coal Resources for Captive Consumption

Lignite / Coal Mining of NLCIL

Mining

- Vast experience in operation, maintenance and project management and consultancy in open- cast mining
- Asset bank of specialised mining equipments for open cast mining:
 - German excavation technology
 - 31 Bucket Wheel Excavators
 - 5 Reclaimers
 - Conveyor length 110.02 KMs

Power Generation

- Experience in operating lignite based thermal power station and consultancy in Renewable power project.
- Average of all thermal stations PLF are running at higher PLF than All India average PLF.
- NLCIL is the 1st Company has crossed 1 GW of renewable energy, which is highest ever achieved by any CPSE.

- 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 7374.10 Million Tonne in India as on 31.03.2021 Neyveli Lignite Field, Barsingsar, Bithnok and Hadla of NLCIL accounts for 5163.17 Million Tonne which is about 70%.
- Coal from Talabira is presently transferred /sold to NTPL,NTPC and Open sales
- Talabira Coal mines Production in FY 2021-22 is 63.58 MT

- All India Lignite production during 2020-21 is 36.61 Million Tonne. Out of the same NLCIL share is 19.26 Million Tonne, which is 52.61 % as compared to 59.07% in FY 2019-20.
- Operating the Talabira Coal mine through MDO Mode with target of attaining full rated capacity by 2027-28













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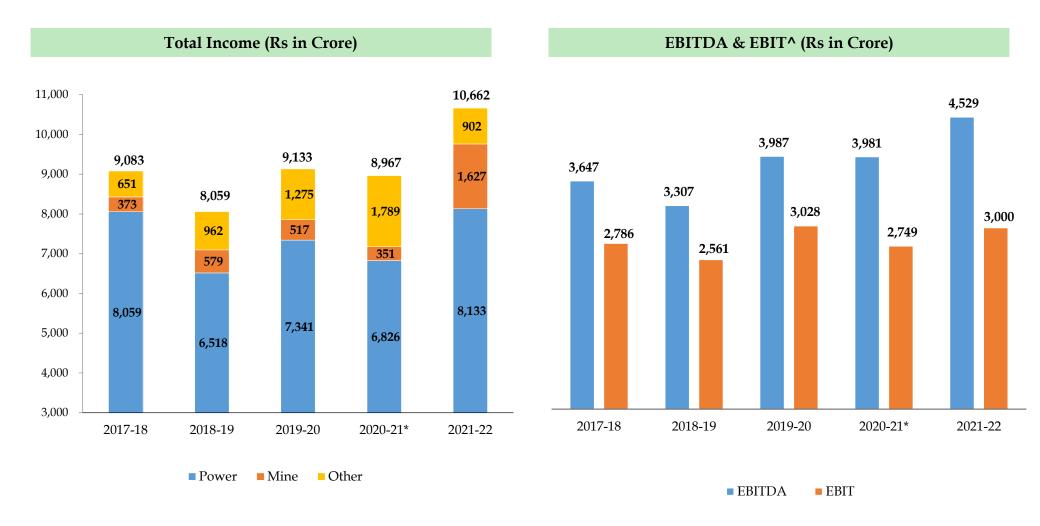




Financial & Operational Performance







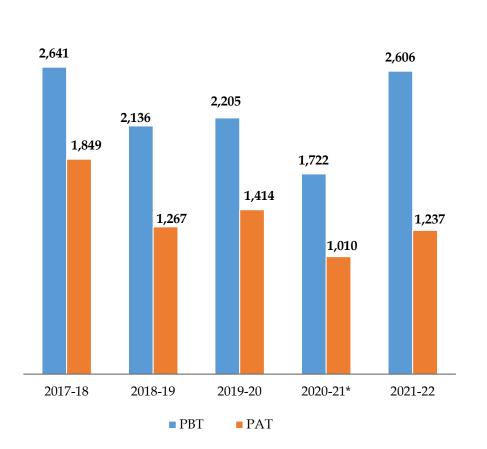
^{*} Restated 2020-21

[^] EBITDA, EBIT computed considering Net Movement in Regulatory Expenses / Income and without considering Exceptional Item. Note: Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone;





PBT & PAT (Rs in Crore)



Key Financial Ratios

	2017-18	2018-19	2019-20*	2020-21*	2021-22
OPM^ (%)	26.04	20.58	22.99	13.65	21.66
NPM (%)	20.35	15.72	15.57	11.27	11.60
ROCE (%)	12.16	8.28	9.85*	9.10	11.29
RONW (%)	14.07	10.22	11.92*	7.86	9.03
Current Ratio	1.76	1.12	1.22	1.23	1.75
Quick Ratio	1.47	0.94	1.06	1.06	1.49

^{*} Restated financials as at 01.04.2020 and FY 2020-21

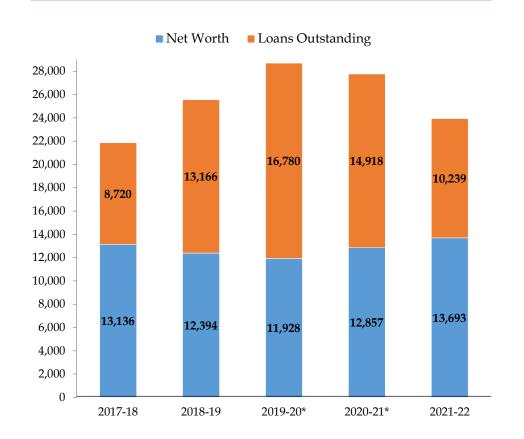
[^] OPM computed considering Net Movement in Regulatory Expenses/Income and without considering Exceptional Item.

[#] PBT considering Net Movement in Regulatory Deferral Income/Expenses. ROCE is EBIT without Exceptional/Capital Employed Note: Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone;





Networth & Loans Outstanding (Rs in Crore)



Credit Ratings (Long Term Borrowings)

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

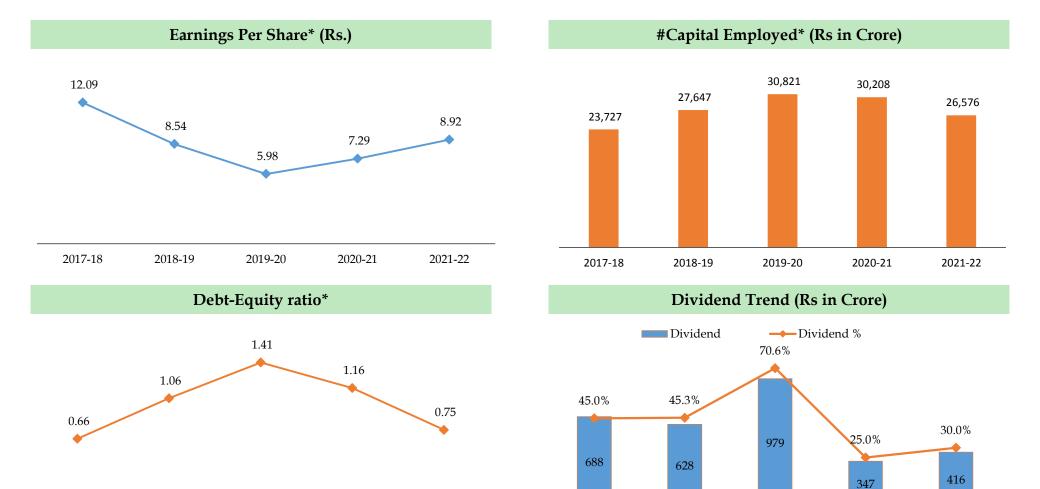
Credit Ratings (Commercial Paper)

Agency	Rating
CARE	A 1+
India Rating	A 1+

Note: Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone as on 31st March'2022 * Restated financials as at 01.04.2020 and FY 2020-21







2018-19

2017-18

Board has recommended final divided @ 15% subject to approval at AGM.

2017-18

2018-19

2019-20

2020-21

2021-22##

2019-20

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

2020-21

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2021-22

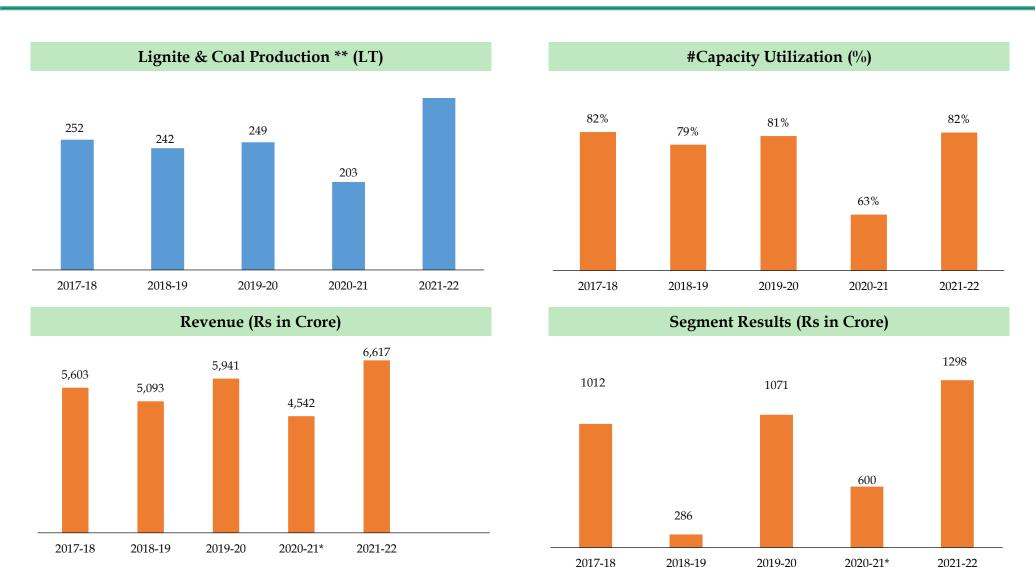
^{*}Restated FY: 2020-21

 $^{{\}tt\# Capital\ employed\ is\ tangible\ net\ worth\ plus\ outstanding\ borrowings\ and\ DTL\ less\ Intangible\ Assets}$



Operational Performance - Mining Segment





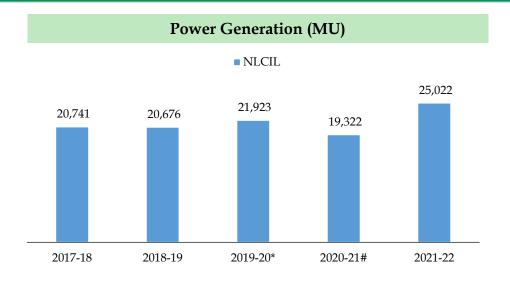
^{**} Restated financials as at 01.04.2020 and FY 2020-21 ** includes coal production of 10.13 LT in FY:2020-21 & 63.58 LT in FY:2021-22 Note: Source from NLCIL Financial Results & Annual Reports and figures representing NLCIL Standalone financial statements

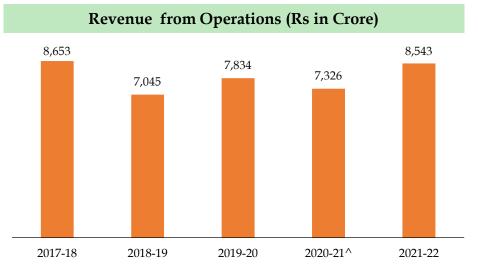
Capacity utilisation for Lignite mines

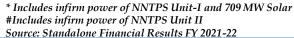


Operational Performance - Power Segment

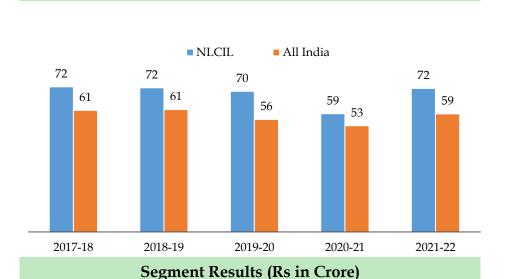




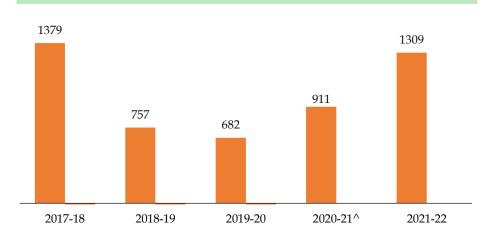




^ Restated FY:2020-21



PLF (%) Comparison - Thermal



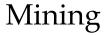
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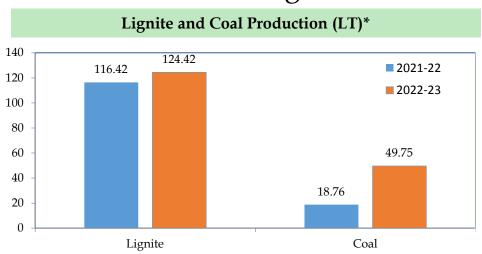
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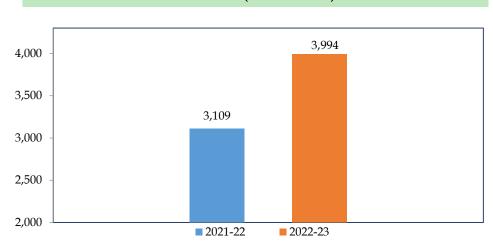
H1 – Standalone Performance-Segment (2021-22 Vs.2022-23)



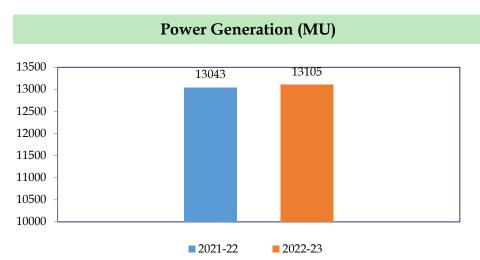


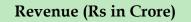


Revenue (Rs in Crore)



Power



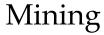


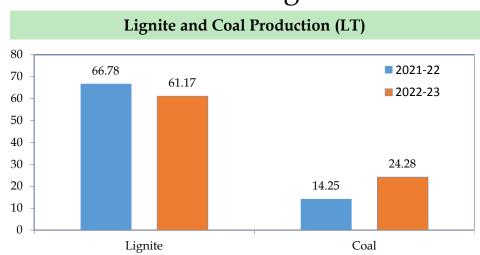


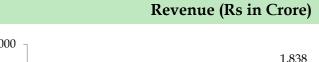


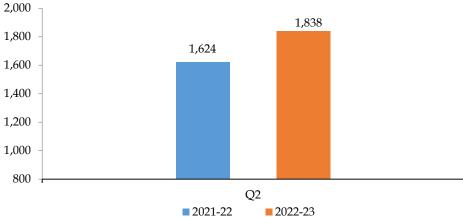
Quarter 2 – Standalone Performance-Segment (2021-22 Vs.2022-23)



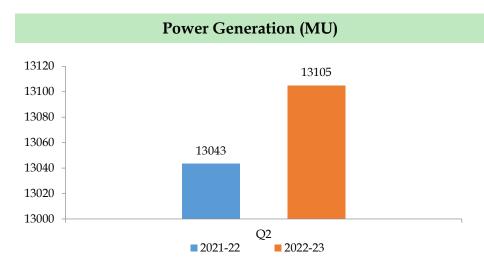


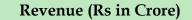


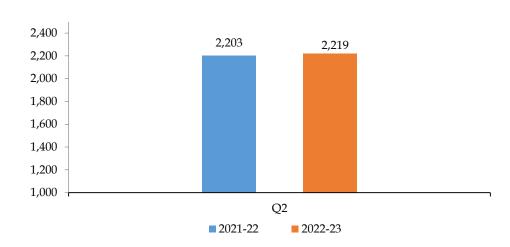




Power



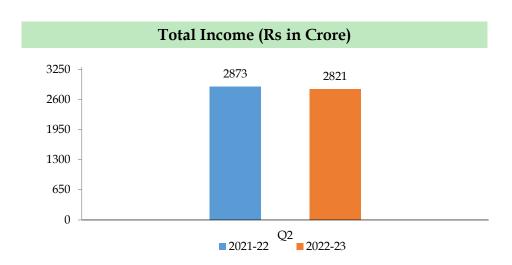


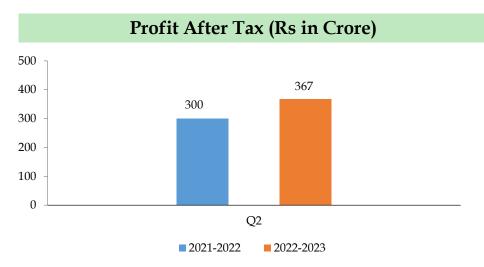


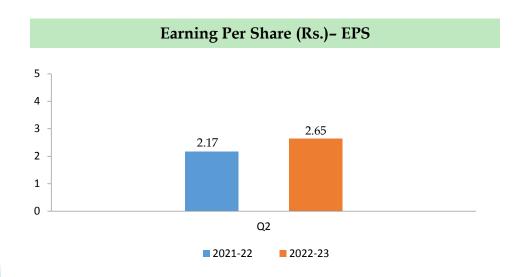


Quarter 2 Standalone Performance - (2021-22 Vs. 2022-23)









Quarterly Income Statement (Rs in Crore)

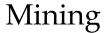
Particulars	Dec-21	Mar-22	Jun-22	Sep-22
Total Income	2509.59	2775.67	3176.54	2821.14
EBITDA *	946.55	1184.99	1270.21	1126.93
EBITDA Margin (%)	37.72%	42.69%	39.99%	39.95%
PAT	229.62	439.73	506.08	367.21
PAT Margin (%)	9.15%	15.84%	15.93%	13.02%

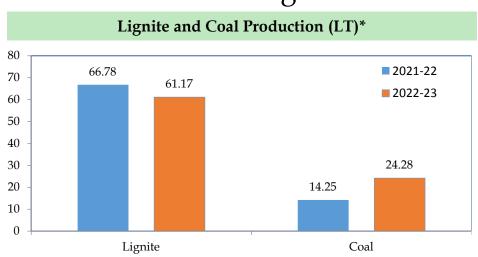
* EBITDA computed considering Net Movement in Regulatory Expenses/Income and without considering Exceptional Item.



Quarter 2 – Consolidated Performance-Segment (2021-22 Vs.2022-23)





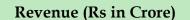


Revenue (Rs in Crore)



Power



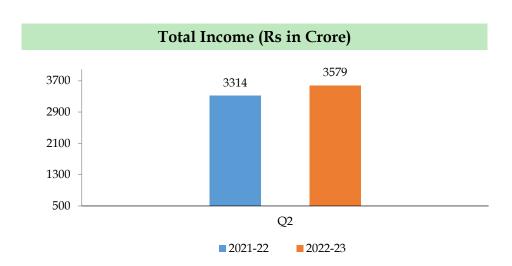


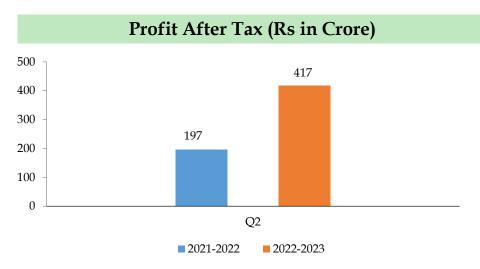


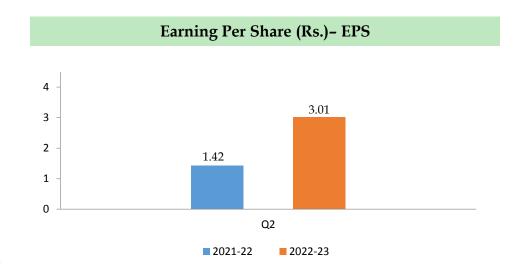


Quarter 2 Consolidated Performance - (2021-22 Vs. 2022-23)









Quarterly Income Statement (Rs in Crore)

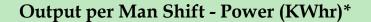
Particulars	Dec-21	Mar-22	Jun-22	Sep-22
Total Income	2845.08	3165.36	3966.01	3579.15
EBITDA *	1080.75	1261.09	1511.14	1386.75
EBITDA Margin (%)	37.99%	39.14%	38.10%	38.75%
PAT	229.88	357.54	568.83	417.03
PAT Margin (%)	8.08%	11.10%	14.34%	11.65%

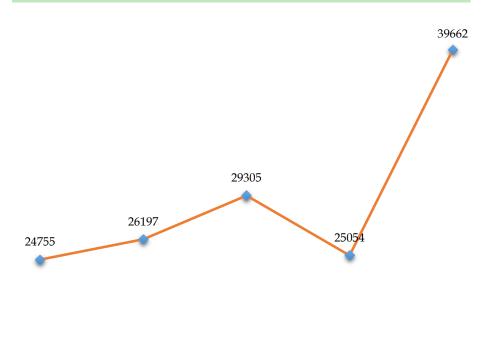
* EBITDA computed considering Net Movement in Regulatory Expenses/Income and without considering Exceptional Item.



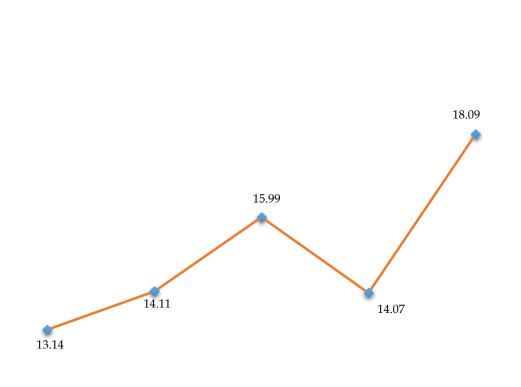
Efficiency Parameters







Output per Man Shift - Lignite (in Tonne)*





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







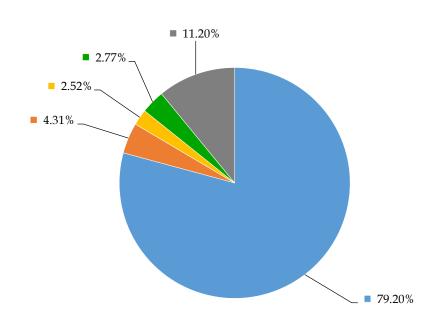
Market Opportunity



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

(A) Promoter & Promoter Group	
Govt. of India	1
(B) Public	
State Govt Sponsored Institutions	5
Mutual Funds , Financial Institutions & Banks	26
Insurance	7
Others	1,95,032
Total	1,95,071

Market Cap - Rs. 11,190.10 Crore#

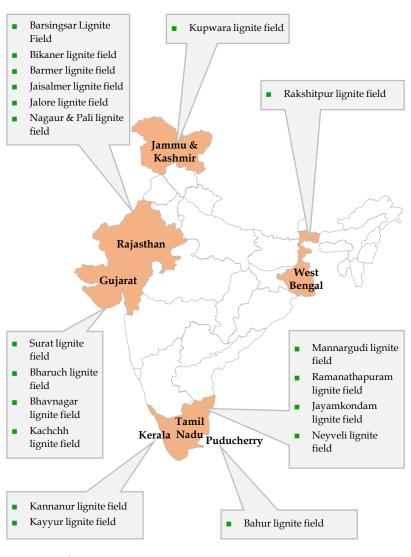
^{*}Shareholding Pattern as on 04.11.2022

[#]Market Cap as on 11.11.2022 (Closing Price of BSE @ Rs. 80.70)



Lignite Reserves in India

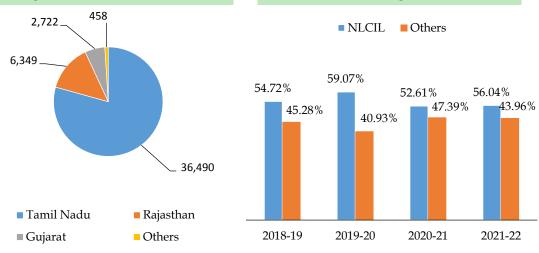




State wise Geological resources in MT as on 01.04.2021*

STATE	Measured	Indicated	Inferred	Total	Total (%)
Puducherry	0.00	405.61	11.00	416.61	0.91
Tamil Nadu	4926.92	21910.06	9652.62	36489.60	79.29
Rajasthan	1168.53	3029.78	2150.77	6349.08	13.80
Gujarat	1278.65	283.70	1159.70	2722.05	5.92
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	2.80	3.93	0.01
Total	7374.10	25650.53	12993.84	46018.47	100.00





Map not scale

*Source: Indian Coal and Lignite Resources - 2021 by GSI as on 01.04.2021.

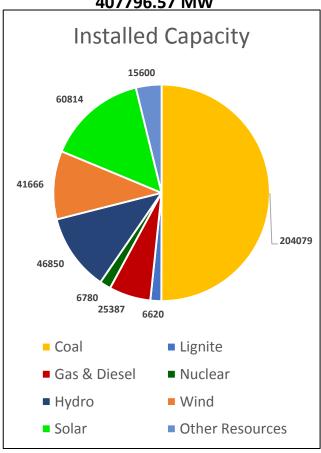


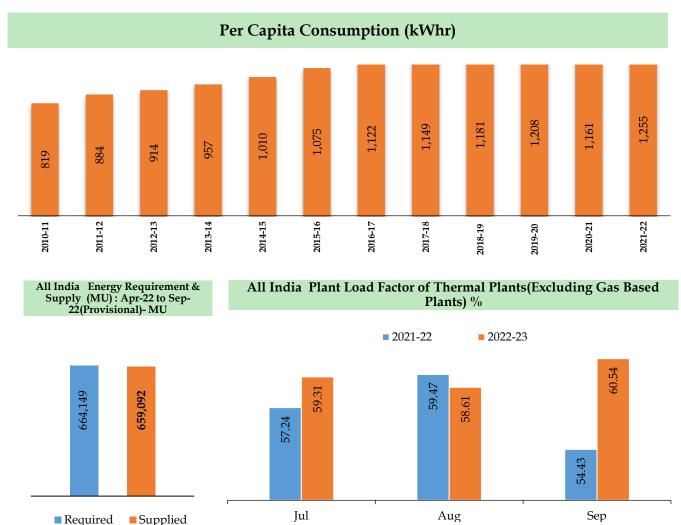
Power Sector in India



Installed Capacity as on 30.09.2022







Source: Central Electricity Authority - Executive Summary September - 2022 Report









NLCIL Growth Plan 2030



Sl. No	Project	Existing Capacity	Addition Proposed	Total
1	Lignite (MTPA)	32.10*	8.00**	40.10
2	Coal (MTPA)	20.00^	24.00	44.00
	Total Mining (MTPA)	52.10	32.00	84.10
3	Power - Lignite Based (MW)	3,640	1,320	4,960
4	Power - Coal Based (MW)	1,000	5,180	6,180
5	Power - Renewable (MW)	1,421	4,610	6,031
	Total Power (MW)	6,061	11,110	17,171

Source: NLCIL Corporate Plan 2030.

^{*}Existing Capacity as on 31.07.2022 includes Mine IA Exp which is commissioned on 01.04.2022 and achievement of full capacity of 4 MTPA expected by 2028. ^Coal Production started on 26th April 2020. Achievement of Full Capacity expected by Jan 2027.

^{**}Addition Proposed is adjusted for reduction in Existing Mines Capacity by 3.5 MT



Growth Plan over 3 Years



Sl. No	Project	Existing Capacity	Addition Proposed	Total
1	Lignite (MTPA)	32.10*	-	32.10
2	Coal (MTPA)^	20.00^	9.00	29.00
	Total Mining (MTPA)	52.10	9.00	61.10
3	Power - Lignite Based (MW)	3,640	-	3,640
4	Power - Coal Based (MW)	1,000	1,980	2,980
5	Power - Renewable (MW)	1,421	2,110	3,531
	Total Power (MW)	6,061	4,090	10,151

^{*}Existing Capacity as on 31.07.2022 includes Mine IA Exp which is commissioned on 01.04.2022 and achievement of full capacity of 4 MTPA expected by 2028. ^Coal Production started on 26th April 2020. Achievement of Full Capacity expected by Jan 2027. *Source :NLCIL Corporate Plan 2030.*



On going / Upcoming Mining & Power Projects



On Going Mining Projects

Project	MT	Estimated Cost (□Cr)	Expected COD
South Pachwara Coal Block	9.00	1,795.01	Sept 2028
Total	9.00	1,795.01	

On Going Thermal Power Projects

Project	MW	Estimated cost (□Cr)	Expected COD
NUPPL - UP	1,980	17,237.80	Unit I – Mar 23 Unit II – Jul 23 Unit III – Nov 23
Total	1,980	17,237.80	

On Going Renewable Power Projects

Project	MW	Estimated cost (□Cr)	Expected COD
Solar-Ground Mounted-Neyveli	10	42.94	Dec 2022
150 MW Wind- Solar Hybrid	150	922.32	Nov 2023
Total	160	965.26	

 $Source: NLCIL\ Corporate\ Plan\ 2030.$

Upcoming Renewable Power Projects	Upcom	ing Rene	wable l	Power Pr	ojects
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Project	MW	Estimated cost (□Cr)	Expected COD
Wind Project unit – 2	100	525.00	
250 MW Solar	250	1,212.50	
500 MW Under CPSU scheme	500	2,700.00	
500 MW Under CPSU Scheme	500	2,500.00	Project
600 MW Under CPSU Scheme	600	3,000.00	is under
500 MW RE Power	500	2,500.00	Plannin
500 MW RE Power	500	2,500.00	g Stage
500 MW RE Power	500	2,500.00	
500 MW RE Power	500	2,500.00	
500 MW RE Power	500	2,500.00	
Total	4,450	22,437.50	

Upcoming Thermal Power Projects

Project	MW	Estimated cost (□Cr)	Expected COD	
Odisha Pit Head TPS	3,200	25,896.00	Project is under	
TPS II 2 nd Exp	1320	11,189.20	Planning Stage	
Total	4520	37,085.20		

Upcoming Mining Projects

Project	MT	Estimated Cost (□ Cr)	Expected COD
Mine III Neyveli	11.50	3755.71	Project is under
Commercial Coal Block	15.00	1,921.85	Planning Stage
Total	26.50	5677.56	



New Business Ventures



MOU with Assam for 1000 MW

- Solar 1000 MW through JV in phased manner
- MoU signed between NLCIL & APDCL on 09.08.2022 for the installation of 1000 MW RE power .Estimated CAPEX – Rs.5500 crore

Lignite to Methanol

- Proposed capacity of Lignite gasification based Methanol Project 1200TPD
- The Project is expected to complete by March-2027
- NLCIL engaged M/s EIL as Project Management Consultant for implementation

Lignite to Diesel

- Proposal has been received from the firm for pilot Plant of 290t/day of Lignite (Diesel 40 t/day and Naphtha- 9.2 t/day)
- The CAPEX for the proposed plant Rs.208.92 Crore

Overburden to Sand

- It is found that around 34% to 94% of sand can be recovered from overburden.
- The Sand Grade found is suitable for construction applications. further Proposal for TEV Study is in progress







Corporate Social Responsibility



CSR Initiatives



Details of CSR expenditure (Rs. Cr)

Year	Norm	Actual
2019-20	46.78	75.66
2020-21	46.74	46.74
2021-22	40.80	41.03*

^{*} Includes Rs. 0.23 Cr spent on CER Expenses of Talabira Project

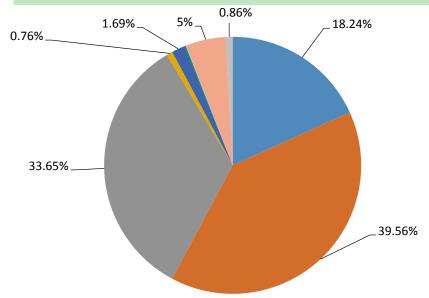
Green belt development



Neyveli Township Overview Green Cover with 191 lakh trees.



% of amount spent on CSR Activities in 2021-22









- Health Care, Family Welfare and Sanitation
- Covid 19 Preventive/Relief Measures
- Providing Education including Special Education, Vocational skills, Scholarships
- Promoting Sports in Rural Areas
- Providing Link Roads/ Access for Rural Development
- Heritage, Arts and Culture
- Welfare of Armed forces
- Administrative over heads
- Disaster Management including relief, rehabilitation and reconstruction activiites





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

- 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 and Diesel from Lignite is also under consideration.
- Innovation Incubation Centre (IIC) in collaboration with premier institutions to promote innovation leading to start up/entrepreneurship



Key risks



- 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