



THE YEAR AT A GLANCE

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1. Coal Reserves in India

The inventory of Geological Resources of Indian Coal as on 01.04.2022 and up to a depth of 1200m prepared by the Geological Survey of India on the basis of resources estimated by CMPDI, MECL, GSI, SCCL and others is 361.41 BT. The resources have been found mainly in Jharkhand, Odisha, Chhattisgarh, West Bengal, Madhya Pradesh, Telangana and Maharashtra.

Type-wise and category-wise resource an on 01.04.2022

(Resource in million tonne)

Depth Range(m)	Measured (331)	Indicated (332)	Inferred (333)		Total
			Exploration	Mapping	
GONDWANA COAL					
Coking					
0-300	8.24	4.15	0.04	0.00	12.43
0-600	8.70	0.00	0.00	0.00	8.70
300-600	1.52	5.01	0.74	0.00	7.27
600-1200	2.41	3.12	1.17	0.00	6.70
0-1200	20.87	12.28	1.95	0.00	35.10
Non-coking					
0-300	120.85	57.37	6.72	0.00	184.94
0-600	5.66	0.44	0.00	0.00	6.10
300-600	34.74	61.00	12.06	0.00	107.80
600-1200	4.39	16.03	5.39	0.00	25.81
0-1200	165.64	134.84	24.17	0.00	324.65
TERTIARY COAL					
High Sulphur					
0-300	0.41	0.11	0.19	0.75	1.46
300-600	0.18	0.02	0.00	0.00	0.20
0-600	0.59	0.13	0.19	0.75	1.66

Note: Figure is provisional.

Depth-wise and category-wise resource as on 01.04.2022
(Resource in million tonne)

Depth Range (m)	Coking			Non-coking			High Sulphur	Grand Total
	Prime	Medium	Semi coking	Superior (G1-G6)	Inferior (G7-G17)	Ungraded		
0-300	0.00	11.96	0.47	21.69	156.53	6.72	1.46	198.82
0-600	4.05	4.65	0.00	0.20	5.90	0.00	0.00	14.81
300-600	0.00	6.51	0.76	13.79	81.95	12.06	0.20	115.27
600-1200	1.26	4.96	0.48	3.43	16.99	5.39	0.00	32.51
0-1200	5.31	28.08	1.71	39.11	261.37	24.17	1.66	361.41

2. Lignite Reserves in India

The Lignite reserves in the country are estimated at around 46.20 Billion Tonne (as on 01.04.2022). The major deposits are located in the State of Tamil Nadu, followed by Rajasthan, Gujarat, Union Territory of Puducherry, Jammu and Kashmir, Kerala, Odisha, and West Bengal.

3. State-wise Coal and Lignite Reserves
(Coal Resources in million tonne)

State	Measured (331)	Indicated (332)	Inferred (333)	Resource
Odisha	48572.58	34080.42	5451.60	88104.60
Jharkhand	53245.02	28259.67	5155.41	86660.10
Chhattisgarh	32053.42	40701.35	1436.99	74191.76
West Bengal	17233.88	12858.84	3778.53	33871.25
Madhya Pradesh	14051.66	12722.97	4142.10	30916.73
Telangana	11256.78	8344.35	3433.07	23034.20
Maharashtra	7983.64	3390.48	1846.59	13220.71
Bihar	309.53	4079.69	47.96	4437.18
Andhra Pradesh	920.96	2442.74	778.17	4141.87
Uttar Pradesh	884.04	177.76	0.00	1061.80
Meghalaya	89.04	16.51	470.93	576.48
Assam	464.78	57.21	3.02	525.01
Nagaland	8.76	21.83	447.72	478.31
Sikkim	0.00	58.25	42.98	101.23
Arunachal Pradesh	31.23	40.11	18.89	90.23
Total	187105.32	147252.18	27053.96	361411.46

(Lignite Resources in million tonne)

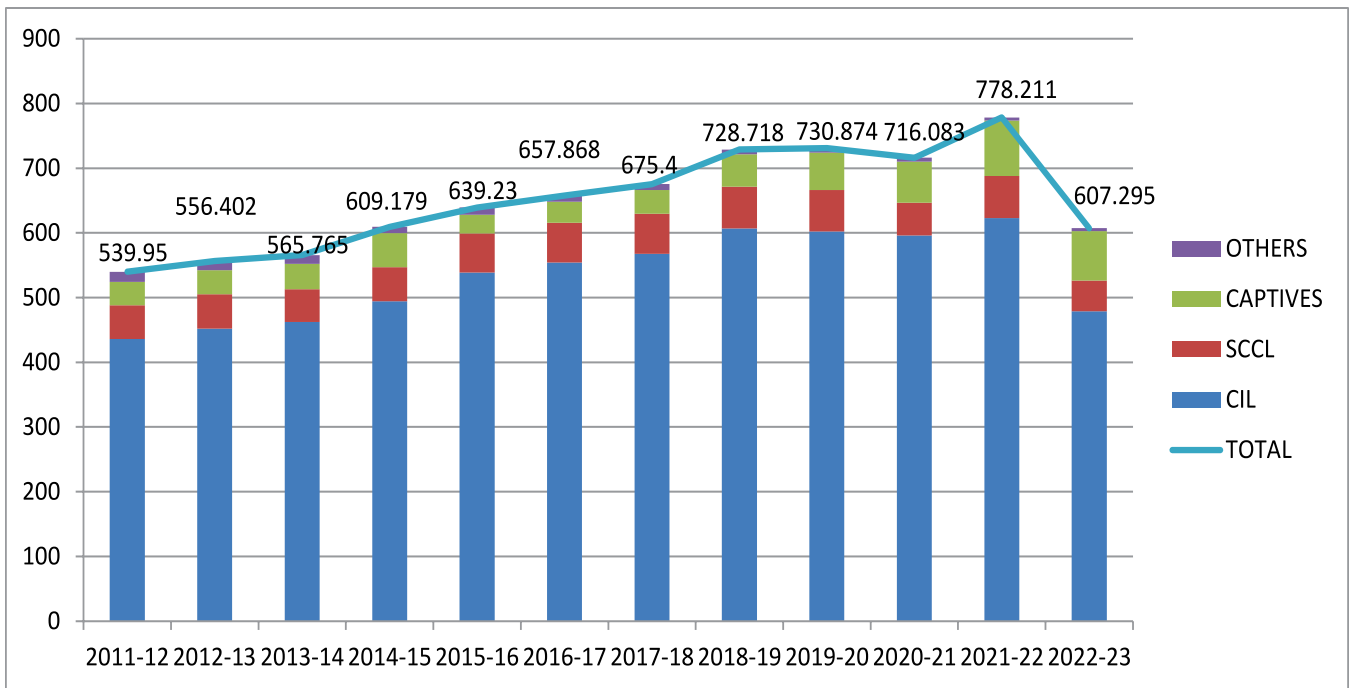
State	Measured (331)	Indicated (332)	Inferred (333)	Resource
Pondicherry	00	405.61	11.00	416.61
Tamilnadu	4926.92	21981.18	9652.62	36560.72
Rajasthan	11.68.53	3029.78	2259.41	6457.72
Gujarat	1278.65	283.70	1159.70	2722.05
J&K	00	20.25	7.30	27.55
Kerala	00	00	9.65	9.65
WB	00	1.13	2.80	3.93
Odisha	00	00	5.93	5.93
Total	7374.10	25721.65	13108.41	46204.16

4. Coal Production

During 2022-23 (up to Dec.22) actual Raw Coal Production is 607.295 Million Tonnes (MT) against the Annual production Target of 911.00 MT. The Company-wise details of coal production from CIL, SCCL and Others are given below:

COMPANY WISE COAL PRODUCTION [MT]								
Company	2020-21	2021-22 (Provisional)		Achievement %	Growth %	2022-23 (up to Dec,2022) (Provisional)		
	Actual	Annual Target	Actual			Annual Target	Actual	Achievement %
CIL	596.221	670.000	622.634	92.93%	4.43%	700.000	479.040	68.43%
SCCL	50.580	68.000	65.022	95.62%	28.55%	70.000	47.233	67.48%
Captive *	63.149	99.000	85.718	86.58%	35.74%	130.000	76.612	58.93%
Others	6.133	11.000	4.837	43.97%	-21.13%	11.000	4.410	40.09%
Total	716.083	848.00	778.211	91.77%	8.68%	911.00	607.295	66.66%

* Production of 3.202 MT, 2.913 MT. and 1.216 MT from Gare Palma-IV/ 2 & 3 of SECL during 2020-21, 2021-22 and 2022-23 (up to Dec 2022) is added to CIL and not included in Captive Production.

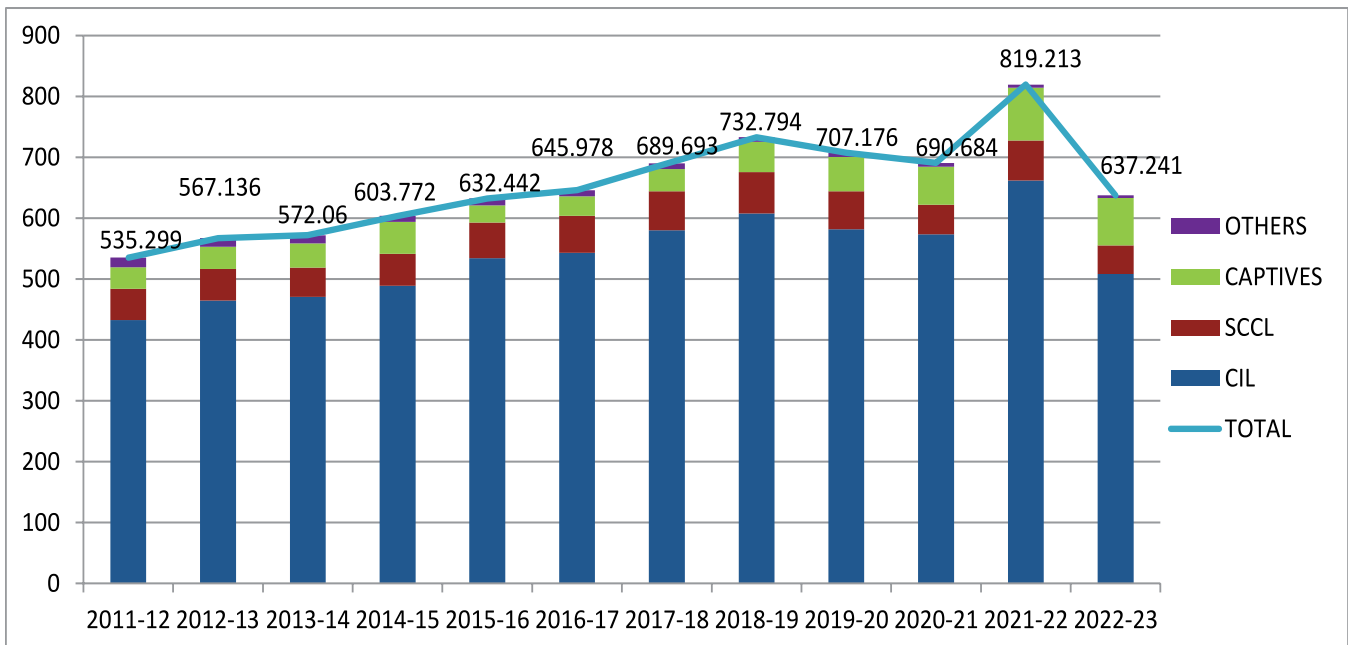


5. Coal Dispatch

During 2022-23 (up to Dec.22) actual Raw Coal dispatched is 637.241 MT against the Annual Target of 911.00 MT. The Company-wise details of coal production from CIL, SCCL and Others are given below:

COMPANY WISE COAL DISPATCH [MT]								
Company	2020-21	2021-22 (Provisional)		Achievement %	Growth %	2022-23 (up to Dec,2022) (Provisional)		
	Actual	Annual Target	Actual			Annual Target	Actual	Achievement %
CIL	573.628	740.000	661.741	89.42%	15.36%	700.000	508.062	72.58%
SCCL	48.513	68.000	65.533	96.37%	35.08%	70.000	47.274	67.53%
Captive *	62.624	99.000	87.076	87.96%	39.05%	130.000	77.500	59.62%
Others	6.119	11.000	4.863	44.21%	-20.53%	11.000	4.405	40.05%
Total	690.884	918.000	819.213	89.24%	18.57%	911.00	637.241	69.95%

* Dispatch of 3.241 MT, 2.713 MT and 1.430 MT from Gare Palma-IV/ 2 & 3 of SECL during 2020-21, 2021-22 and 2022-23 (up to Dec 2022) is added to CIL and not included in Captive dispatch.



6. Company-wise Raw Coal Dispatch:

(In MT)

Company	Jan 2022- Nov 2022			Jan 2021-Nov 2021	% Growth
	Target	Actual	% ach.	Actual	
CIL	708.0	687.9	97%	646.5	6%
SCCL	68.63	64.64	94.19	64.90	-0.40

6.A. Company-wise Projection of Raw Coal dispatch for Jan-Mar 2021

(In MT)

Company	Jan 2023- Mar 2023	Jan 2022-Mar 2022
	Projected	Actual
CIL	191.5	180.3
SCCL	20.72	17.36

7. Sector wise Raw Coal Dispatch-CIL (Provisional)

(In MT)

Sector	Actual Jan 2022- Dec 2022	Actual Jan 2021-Dec 2021	% growth
Steel *	5.9	4.5	33%
Power (Utility)**	581.8	516.9	13%
Power(Captive) ***	33.3	36.8	-10%
Cement	3.2	3.7	-13%

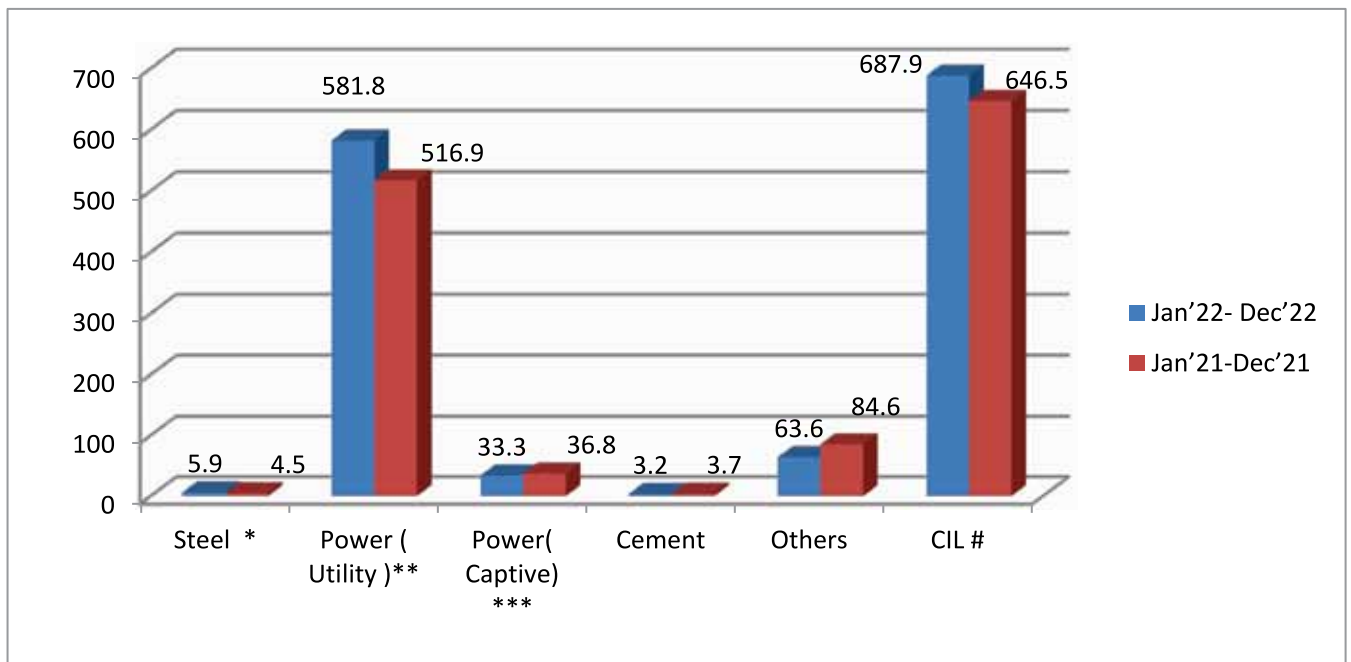
Sector	Actual Jan 2022- Dec 2022	Actual Jan 2021-Dec 2021	% growth
Others	63.6	84.6	-25%
CIL #	687.9	646.5	6%

* includes coking coal feed to washeries, direct feed and blendable to steel plants

** includes non-coking coal feed to washery and Bina Deshaling Plant for beneficiation and special forward e-auction to power

*** Captive Power includes despatches to fertilizer sector

excludes colliery consumption



Sector wise coal dispatch status of CIL

7.1 Sector-wise Dispatch Projection of CIL

(In MT)

Sector	Projected Jan 2023- Mar 2023	Actual Jan 2022-Mar 2022
Steel *	1.4	1.5
Power (Utility)**	154.4	143.6
Power(Captive) ***	10.1	8.5
Cement	1.3	1.1
Others	24.4	25.6
CIL #	191.5	180.3

* includes coking coal feed to washeries, direct feed and blendable to steel plants

** includes non-coking coal feed to washery and Bina Deshaling Plant for beneficiation and special forward e-auction to power

*** Captive Power includes despatches to fertilizer sector

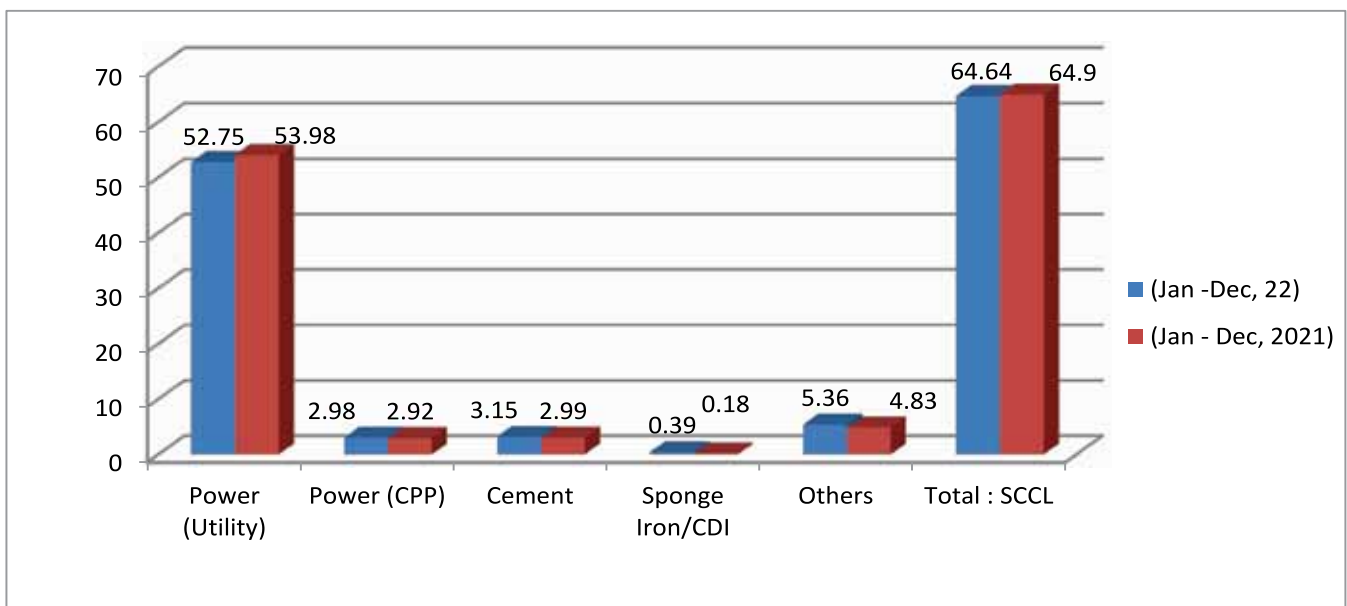
excludes colliery consumption

*** Captive Power includes despatches to fertilizer sector

excludes colliery consumption

8. Sector Wise Dispatch of SCCL

Sector	Actual	Actual	Growth (%)	Actual	Actual	Growth (%)
	(Jan -Dec, 2022)	(Jan - Dec, 2021)		(Apr - Dec, 2022)	(Apr - Dec, 2021)	
Power (Utility)	52.75	53.98	-2.28	39.05	39.94	-2.24
Power (CPP)	2.98	2.92	2.21	2.00	2.24	-10.43
Cement	3.15	2.99	5.49	2.27	2.19	3.84
Sponge Iron/CDI	0.39	0.18	117.00	0.28	0.14	91.67
Others	5.36	4.83	10.91	3.68	3.66	0.57
Total : SCCL	64.64	64.90	-0.40	47.28	48.17	-1.85



Sector wise coal dispatch status of SCCL

8.2 Sector-wise Dispatch Projection of SCCL

(In MT)

Sector	Projected Jan 2023- Mar 2023	Actual Jan 2022-Mar 2022
Power (Utility)	17.10	13.71
Power (CPP)	1.30	0.98
Cement	0.53	0.88
Sponge Iron/CDI	0.07	0.11
Others	1.72	1.69
Total	20.72	17.36

9. Lignite Production

NLC India Limited (NLCIL) is an integrated mining cum Power Company with open cast lignite mines linked to Thermal Power Stations. During the year 2022-23, lignite production by NLC India Limited were 17.21 MT upto the month of December 2022 against the BE target (2022-23) of 26.35 MT, further power generation by NLCIL & NTPL (JV) were 18238.81 MU & 4306.04 MU upto the month of December 2022 against the BE target (2022-23) of 26,627.33 MU & 7,540.00 MU respectively. The anticipated production for the period January 2023 to March 2023 is indicated. Details are furnished below:

Product	Unit	BE 2022-23	2021-22 (Jan'22 to Mar '22)	2022-23 (upto Dec'22)		Jan 2023 to March 2023 (Projection)
			Actual	Target	Actual (Provl)	
Overburden	MM ³	165.85	40.49	120.05	112.35	45.80
Lignite	MT	26.35	8.52	18.39	17.21	7.96
Power Gross (NLCIL)	MU	26,627.33	6,529.96	19,512.97	18,238.81	7,114.36
Power Export (NLCIL)	MU	23,973.33	5,788.63	17,572.87	16,072.10	6,399.36
Power Gross (NTPL)	MU	7,540.00	927.02	5,538.00	4,306.04	2,002.00
Power Export (NTPL)	MU	7,107.00	850.25	5,220.00	4,006.24	1,887.00

Lignite Dispatch:

(in Million Tonnes)

Company-Wise Lignite Dispatch					
LIGNITE :	2019-20	2020-21	2021-22	2022-23 (up to Dec. 22) (Prov.)	
NLC	25.123	19.753	26.932	18.785	112.35
GMDCL	6.957	6.004	8.554	5.643	17.21
GIPCL	3.342	3.507	2.910	1.967	18,238.81
GPCL		1.272	1.852	0.921	16,072.10
RSMML	0.790	0.830	1.981	0.822	4,306.04
GHCL	0.055	0.036	0.069	0.068	4,006.24
VSLPPL	0.697	0.927	0.980	0.743	16,072.10
BLMCL	5.303	6.163	5.796	4.385	4,306.04
All India	42.267	38.492	49.074	33.334	4,006.24

10. Coal Linkage Policy implementation

Policy for Auction of Coal Linkages to Non-Regulated Sector: CIL has completed five tranches of linkage auctions so far, where total 131.19 Million Tonne per annum of linkages have been booked by the successful bidders.

Scheme for Harnessing and Allocating Koyala (Coal) Transparently in India (SHAKTI) Policy: 209.614 Million Tonnes coal linkage have been booked / allocated under the different provisions of the SHAKTI Policy.

11. New Policy Initiatives

(i) New sub-sector under the Policy for Auction of coal linkages of Non-Regulated Sector (NRS):-

A new Sub-sector 'Production of Syn-Gas leading to coal gasification' has been created in 2022 under the NRS linkage auctions in order to encourage coal gasification technology so that new consumers requiring coal for coal gasification are incentivized. This will also mitigate the adverse impacts of the conventional use of coal on the environment.

(ii) Single window for e-auction of coal:-

Government has recently approved a new mechanism for e-auction of coal by the coal companies. The erstwhile sectoral e-auction windows Coal India Limited has been done away with and henceforth, all the non-linkage coal of the coal companies would be sold through one e-auction window of Coal India Limited / Singareni Collieries Company Limited. This single e-auction window will cater to all the Sectors viz., Power & Non-regulated Sector including traders. Therefore, coal of any particular grade would be sold in the market to all the consumers at one rate (One Nation -One Coal Grade, One Rate).

A single e-auction window would enable the coal companies to sell coal through the market discovered price mechanism and thus, implementing this policy will lead to the removal of Market distortions. It shall also increase operational efficiencies and lead to an increase in domestic coal demand by efficiency in domestic coal market.

(iii) **Amendment to NCDP:** To promote optimum utilization of coal resources in the national interest, enabling provisions has been made by way of amendment to the New Coal Distribution Policy (NCDP), 2007, in order to allow the coal produced from Closed / Abandoned / Discontinued mines of CIL / SCCL to be sold through a transparent and objective manner as per the guidelines issued by Ministry of Coal from time to time.

(iv) **Coal linkages for gasification plants of the coal companies:** CIL / SCCL have been allowed to provide long term allotment of coal to their own gasification plants at prices as may be decided by the coal company. This move will encourage the coal gasification technology in the country and will help in early establishment of this new use of coal.

12. Guidelines for mine closure for mines closed before 2009

Large no. of mines were discontinued/abandoned/closed before 2009 when 1st mine closure guidelines were issued by the Ministry of Coal. There is a need to close these mines scientifically in such a manner that they provide benefit to the community, prevent illegal mining, ensure the safety and re-purposing of the mined-out land. Therefore, the mine closure guidelines was issued on 28th October, 2022, which will provide guidance to all coal companies (including lignite) having discontinued/abandoned/closed mines after the nationalization of coal mines till 27th August 2009 (date of issuance of first coal mines closure guidelines). The guidelines intend to only provide an overall framework for the closure of mines and the details of final implementation plans are to be finalized and approved by respective company boards. Overall goal of the guidelines is to restore the mined-out land as far as possible to its pre-mining stage.

13. Ensuring Coal quality by Third Party Sampling

For enhanced customer satisfaction, special emphasis has been given to Quality Management of coal from mine to dispatch point. Now, all the consumers of CIL have the option for quality assessment of the supplies through independent third-party sampling agencies (TPSA). Apart from Central Institute of Mining & Fuel Research (CIMFR) and Quality Council of India (QCI) two more agencies namely M/s SGS India Private Ltd (by CIL) for power & non-power sectors & M/s Mitra S K Pvt. Ltd. for power sectors are empanelled to provide more choices of Third-Party Agencies to consumers. All consumers of power /non-power sectors are free to take services of any of the empanelled agencies. Due to various initiatives taken by CIL like use of mobile crushers, procurement of online ash analysers first mile connectivity etc for better governance of quality of coal, the grade conformity of coal (Third Party Sampling) supplied during Apr 22-November 22 has enhanced up to 69% (provisional) compared to 65% of April 2021 to March 2022 last year for CIL.

14. Mission Coking Coal

With these transformative measures taken by Ministry of Coal under 'Atmanirbhar Bharat' initiative of PM, CIL has offered eight discontinued coking coal mines, out of the total 30 discontinued mines, on an innovative model of revenue sharing to the private sector with a PRC of 2 MT.

To further enhance raw coking coal production, the Ministry of Coal has auctioned 10 coking coal blocks to the private sector with a PRC of 22.5MT during the last two years. Most of these blocks are expected to start production by 2025.

15. Mining Developers cum Operators

Ministry of Coal intent to engage reputed MDOs in coal mines, through open global tenders, and to ramp up domestic coal output and reduce import

dependency to extent possible. The contract period of engagement is for 25 years or life of mine whichever is less.

The state-owned coal miner is tracking a total of 15 greenfield projects for implementation through MDOs with investment component to the tune of around ₹20,600 Crores largely spread on land acquisition, rehabilitation and resettlement issues, and in some cases on railway sidings.

Having total rated capacity of around 169 MT eleven of the fifteen projects, are opencast and four underground. While the capacity of OC projects is 165 MTY, UG projects add up to the rest.

Coal India Limited (CIL) has issued letters of acceptance for seven coal projects to be pursued through engagement of Mine Developer cum operator mode. Cumulatively, these projects have production capacity of close to 100 million tonne per year.

Out of balance 8 projects, LoA for two projects will be issued shortly. The remaining 6 projects are at different stages of tendering.

19. First Mile Connectivity [FMC]

MOC has undertaken 51 first mile connectivity (FMC) projects (44 - CIL, 5- SCCL & 3 - NLCIL) of 522 MTPA capacity, out of which 8 Projects (6-CIL & 2-SCCL) of 95.5 MTPA capacity have been commissioned.



To strengthen India’s energy security and to realise Atma Nirbhar Bharat by replacing imported coal with domestically mined coal, Ministry of Coal has set a target to produce 1.31BT in FY25 and 1.5BT in FY30.

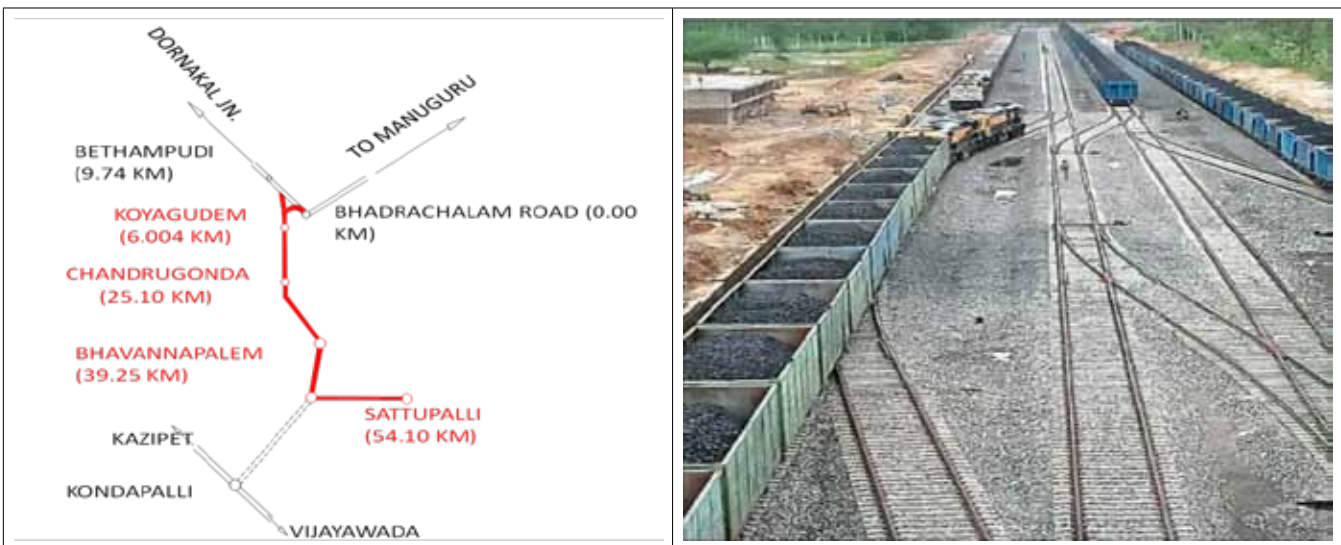


Inauguration of CHP & SILO at Sonepur Bazari by Hon'ble Minister of Coal.

20. Initiatives under PM Gati Shakti

The Ministry of Coal has undertaken 13 Railway Projects to develop multimodal connectivity and identified missing infrastructure gaps for each projects. Four Railway projects are successfully mapped in the NMP portal under High Impact projects which will be developed in the States of Jharkhand and Odisha and will facilitate movement of coal with rapid logistics and wider connectivity for all the commercial miners.

Bhadrachalam Road-Sattupalli New BG rail Line



2. Inauguration of MCRL Phase-I (Angul-Balram) of 14 Km length MCRL Rail Corridor in Odisha.



MCRL Phase-II (Balram-Jaapada-Tentuloi) of 54 Km is expected to be commissioned by Dec'2025. It provided connectivity to allocated coal blocks on the southern side and central part of Talcher Coalfields.

21. Commercial Mining

5th round of commercial mining launched on March 30, 2022 offering 109 coal/ lignite mines along with Second attempt of 4th round and Second attempt of 3rd round of commercial auction offering 4 coal mines and 9 coal mines respectively. A total of 17 coal mines with PRC of 51 MTPA has been successfully

auctioned under these three tranches.

As of now total 64 coal mines have successfully been auctioned under commercial mining having PRC of 152 MTPA. Once fully operational these mines will generate employment potential of more than of 2 lakh persons and would attract capital investment of more than 22,000 Crores.



22. ASSET MONETIZATION

Status of Asset Monetization in FY 2022-23 (upto Nov'22) against NITI Aayog Target of ₹30000 crore is as follows:

S. No	Assets Category	Amount in ₹ crore
1	MDO	390
2	Coal Blocks auctioned in FY 22 & monetized in FY 23	16,383.15
	Total	16,773.15

Ministry of Coal achieved Capex Target for the FY 2021-22 of ₹19547.33 Cr which is 104.27% of the annual capex target. Detail of Capex Achieved in FY 2021-22 and in FY 2022-23 till November 2022 is given below:

₹ Crore

FY 2022-23				
MoU Target for 2022-23	16500	2920	2,000	21,420
Progressive Achievement till Nov 22	9751.12	1299.01	700.45	11750.58
% achievement till Nov 22	59.10%	44.49%	35.02%	54.86%

23. SUSTAINABLE DEVELOPMENT & JUST TRANSITION









Greening Initiatives: Bio-Reclamation/Plantation:

- Cumulative achievement of 7986 Ha and plantation of 179 lakh saplings (up to Nov 2022) against the target of 7600 Ha & 176 lakh plants for FY 2019-20 to FY 2022-23.
- Coal/Lignite PSUs have planted around 47 lakh saplings on 2300 Ha land during January 2022 to November 2022.



24. Special Campaign for disposal of pendencies 2.0

Special Campaign 2.0 was undertaken this year from 2nd October 2022 to 31st October 2022. During this campaign, special attention was given to field/outstation offices in addition to the ministries/department for monitoring and implementation of the campaign. MOC had cleaned more than 3023788 sq. ft. area at 340 identified sites. More than 5409.5 MT of scrap has been disposed off which generated revenue of ₹48.5 cr. MOC was highlighted by DARPG for being in top 5 ministries to achieve 100% in PMO reference & Ease Of Rule targets. MOC was ranked 2nd amongst 85 Ministries/Departments to generate highest revenue from disposal off of scrap during special campaign 2.0.

		<p>The recovered area will be utilized for parking of vehicles.</p>	<p>Being utilized for parking of vehicles</p>
		<p>Regional Workshop, Dhori Around 2000 sq ft area was cleared where around 800 tyres and drums were there. This cleared area will be used for construction of ladies toilet.</p>	<p>Under Process</p>
		<p>RR Shop, Jarangdih- Around 400 sq m (4305 sq ft) area was cleared and this cleared area has coal beneath it and coal mining can be done in future to extract coal worth hundreds of crores lining underneath.</p>	<p>Adjoining mine advancing towards this cleared area which will be excavated in due course</p>
 <p>200 Sq m before lifting at Jarangdih Workshop</p>		<p>Jarangdih Workshop- Around 3600 sq m (38750 sq ft) area was cleared. One Effluent Treatment Plant (ETP) and one Toilet for workers already constructed.</p>	<p>Space utilized and construction of toilet and ETP completed</p>

