



# COAL AND LIGNITE PRODUCTION



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## 1. Coal Demand:

The overall demand for coal for 2022-23 was estimated at 1204 MT against which, actual supply of coal during 2022-23 was 786.469 MT (up to Dec 2022).

(in MT)

	Sector	2017-18 Actual	2018-19 Actual	2019-20 Actual	2020-21 (Actual)	2021-22 (Provisional)	2022-23 (up to Dec 2022) (Provisional)
<b>I.</b>	<b>Coking Coal</b>						
1	Steel/ Coke Oven & Cookeries (indigenous)	11.447	17.662	11.908	8.975	8.773	6.824
2	Steel (Import)	47.003	51.838	51.833	51.198	57.161	33.300*
	<b>Total (Coking Coal)</b>	<b>58.450</b>	<b>69.500</b>	<b>63.741</b>	<b>60.173</b>	<b>65.934</b>	<b>40.124</b>
<b>II.</b>	<b>Non Coking Coal</b>						
3	Power (Utilities)	519.582	546.170	540.995	535.447	673.350	523.78
4	Power (Captive)	65.906	91.779	85.154	45.786	36.699	28.55
5	Cement	7.708	8.817	8.569	6.754	7.306	5.68
6	Sponge Iron	8.528	12.231	10.529	9.565	9.023	7.02
7	BRK & Others Including Fertilizer	76.832	56.135	50.021	84.357	84.062	65.39
	<b>Total (Non Coking Coal)</b>	<b>635.642</b>	<b>678.556</b>	<b>715.132</b>	<b>695.268</b>	<b>810.44</b>	<b>630.42</b>
8	Non-Coking Coal (Import)	161.269	183.402	196.704	164.053	151.773	115.925*
<b>III.</b>	<b>Total Supply (I + II)</b>	<b>898.276</b>	<b>968.034</b>	<b>955.713</b>	<b>906.135</b>	<b>1028.147</b>	<b>786.469</b>

### Note:

1. Figure of 2021-22 is Provisional.
2. Import Figure Up to Oct, 2022.
3. Actual Supply of 2022-23 (up to Dec 22 Using previous year's ratio.)

**Coal Supply:**

The target for coal dispatch for 2022-23, was estimated to be 911.00 MT, out of which the actual indigenous supply of coal was 637.241 MT.

The details have been given in the following table:

(In MT)

Source	2018-19 Actual	2019-20 Target	2019-20 Actual	2020-21 Target	2020-21 Actual	2021-22 Target (Estimated)	2021-22 (Provisional)	2022-23 Target (Estimated)	2022-23 (up to Dec,22) (Provisional)
CIL	607.953	660.00	581.640	660.000	573.628	740.000	661.741	700.00	508.062
SCCL	67.669	67.00	62.465	67.500	48.513	68.000	65.533	70.00	47.274
Captive	49.623	66.20	56.257	85.830	62.624	99.000	87.076	130.00	77.500
Others	7.549	16.80	6.814	15.170	6.119	11.000	4.863	11.00	4.405
<b>Total Indigenous Supply</b>	<b>732.794</b>	<b>810.00</b>	<b>707.176</b>	<b>828.500</b>	<b>690.884</b>	<b>918.000</b>	<b>819.213</b>	<b>911.00</b>	<b>637.241</b>
Import	235.35		248.54		215.251		208.934		149.225*
<b>Demand Projected/ Actual Supply (Domestic + Import)</b>	<b>968.14</b>	<b>810.00</b>	<b>942.716</b>	<b>828.500</b>	<b>906.135</b>	<b>918.000</b>	<b>1028.147</b>	<b>911.00</b>	<b>786.466</b>

**Note:**

- \* Import figure is up to Oct-2022;
- CIL data includes GP IV/2 & 3 (Custodian SECL).

**3. Coal Production**

The production of coal during FY: 2022-23 was 607.295 Million Tonnes (up to Dec, 2022) (Provisional) as against the annual target of 911.000 MT with the achievement of 66.67 % (up to Dec, 2022). CIL produced 479.040 MT (up to Dec, 2022), including custodian mines, against the annual target of 700.00 MT. The SCCL produced 47.233 MT of coal during 2022-23 (up to Dec, 2022) as against the annual target of 70.00 MT. The company wise raw coal production target 2022-23 (up to Dec, 2022) and achievement is given in the table.

(In MT)

Company	2019-20 (Target)	2019-20 (Actual)	2020-21 (Target)	2020-21 (Actual)	2021-22 (Target)	2021-22 (Provisional)	2022-23 Target (Estimated)	2022-23 (upto Dec,22) (Provisional)	Achievement %
ECL	53.500	50.401	52.000	45.004	52.000	32.429	50.00	23.760	47.52%
BCCL	36.000	27.729	29.000	24.656	30.000	30.511	32.00	25.930	81.03%

Company	2019-20 (Target)	2019-20 (Actual)	2020-21 (Target)	2020-21 (Actual)	2021-22 (Target)	2021-22 (Provisional)	2022-23 Target (Estimated)	2022-23 (upto Dec,22) (Provisional)	Achievement %
CCL	77.000	66.889	74.000	62.589	74.000	68.846	76.00	49.320	64.89%
NCL	106.250	108.053	113.000	115.042	119.000	122.431	112.00	97.250	86.83%
WCL	56.000	57.636	60.000	50.275	60.000	57.708	62.00	38.370	61.89%
SECL*	170.500	150.546	172.000	150.606	172.000	142.514	182.00	106.618	58.58%
MCL	160.000	140.358	160.000	148.013	163.000	168.168	176.00	137.660	78.22%
NEC	0.750	0.517	0.000	0.036	0.000	0.028	0.00	0.132	-
CIL	660.000	602.129	660.000	596.221	670.000	622.634	700.00	479.040	68.43%
SCCL	67.000	64.044	67.500	50.580	68.000	65.022	70.00	47.233	67.48%
Captive	66.200	57.875	85.830	63.149	99.000	85.718	130.00	76.612	58.93%
Others	16.800	6.826	15.170	6.133	11.000	4.837	11.00	4.410	40.09%
<b>TOTAL</b>	<b>810.000</b>	<b>730.874</b>	<b>828.500</b>	<b>716.083</b>	<b>848.000</b>	<b>778.211</b>	<b>911.00</b>	<b>607.295</b>	<b>66.66%</b>

\* Production of Gare Palma-IV/ 2 & 3 of SECL is added to CIL and not included in Captive.

### Lignite Production

NLC India Limited (NLCIL) is an integrated mining cum Power Company with opencast 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 (uptoDec'22)		Jan 2023 to March 2023 (Projection)
			Actual	Target	Actual (Provl)	
Overburden	MM <sup>3</sup>	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:**

LIGNITE :	Company-Wise Lignite Dispatch			(in Million Tonnes)
	2019-20	2020-21	2021-22 (Provisional)	2022-23 (up to Dec22) (Provisional)
NLC	25.123	19.753	26.932	18.785
GMDCL	6.957	6.004	8.554	5.643
GIPCL	3.342	3.507	2.910	1.967
GPCL		1.272	1.852	0.921
RSMMML	0.790	0.830	1.981	0.822
GHCL	0.055	0.036	0.069	0.068
VSLPPL	0.697	0.927	0.980	0.743
BLMCL	5.303	6.163	5.796	4.385
All India	42.267	38.492	49.074	33.334

**4. Import**

Out of the total coal demand of the country about 20-25% of the demand is met from import. Import of coal mainly consists of coking coal and higher grade (GCV) coal as their domestic production is limited due to either scarce reserves or non-availability. Power sector imports coal for imported coal-based (ICB) power plants setup in coastal region (as they have been specially designed to use imported coal only) and for domestic coal-based (DCB) power plants for blending purpose. Coal being under Open General License (OGL), traders and end-users (Industries) also import coal on commercial and logistic considerations.

During April to October, 2022, the import of coal was 149.23 Million Tonnes (MT) (comprising 33.30 MT Coking Coal and 115.93 MT Non Coking Coal) as compared to 130.61 MT (comprising 34.32 MT Coking Coal and 96.30 MT Non Coking Coal) in the corresponding period of 2021-22 showing a positive growth of 14.25%.

Import of Coal by different sectors for last three years and from April-October, 2022 are as given below:

**Coal Import**
*(QTY in Million Tonnes)*

Years	Coking Coal	Power		Total Power	Non - Regulated Sector	Non - Coking	Total Import
		Imported Coal Based Plants	Blended Coal based plants				
2019-20	51.83	45.47	23.75	69.22	127.48	196.70	248.54
2020-21	51.20	35.08	10.39	45.47	118.58	164.05	215.25
2021-22	57.16	18.89	8.11	27.00	124.77	151.77	208.93
2022-23 (Apr-Oct 2022)	33.30	13.44	25.40	38.84	77.09	115.93	149.23

Years	Coking Coal	Power		Total Power	Non – Regulated Sector	Non - Coking	Total Import
		Imported Coal Based Plants	Blended Coal based plants				
2021-22 (Apr-Oct 2021)	34.32	13.09	5.05	18.14	78.16	96.30	130.61
Growth %	-2.96	2.67	402.67	114.08	-1.37	20.38	14.25

Source: DGCI & S, Kolkata

As per MOP's directive State GENCOs / IPPs had to meet 10% of their requirement with imported coal. Based on MOP's decision for centralized coal procurement through CIL, MOC on 31.05.2022 advised CIL to act as a centralized agency to import coal and supply to State GENCOs/ IPPs. Based on the above directions CIL has imported 3.56 Lakh tonnes of coal. The details of import of coal by CIL is provided below:

Port of Discharge	Name of the power plant	Coal imported upto 05.01.2023 in tonnes
Visakhapatnam Port	Lanco Amarkantak Power Limited	11,248
	KSK Mahanadi Power Company Ltd	64564
Kakinada	Rattan India Power Limited	11792
	Dhariwal Infrastructure Limited	39108
	Sai Wardha Power Generation Private Limited	8.00
Vizag	KSK Mahanadi Power Comoany Ltd	30490
Krishnapatnam Port	Bellary Thermal Power Station (KPCL)	17698
	Raichur Thermal Power Station (KPCL)	11068
Kamrajar Port, Ennore	TANGEDCO	69907
Paradeep	Adhunik Power and Natural Resources Ltd	30930
	Jindal India Thermal Power Limited	43680
	<b>Total</b>	<b>3,53,173</b>

## 5. Lignite Production and Power Generation by NLCIL

NLC India Limited has a target of 26.35 MT for lignite & 8.0 MT for coal for 2022-23 against which, actual production of lignite is 17.21 MT & of coal is 7.55 MT upto December 2022. Further NLCIL has a target of 34,167.33 MU (including NTPL) for power generation for 2022-23 against which, actual power generation is 22,544.85 MU upto December 2022 which are given in the table below:

Year	Lignite (in MT)	Coal (in MT)	Power Generation (NLCIL) (in MU)	Power Generation (NTPL) (in MU)
2019-20 (Actual)	24.86	--	21,922.98	4,844.40
2020-21 (Actual)	19.26	1.01	19,322.00	5,290.58

Year	Lignite (in MT)	Coal (in MT)	Power Generation (NLCIL) (in MU)	Power Generation (NTPL) (in MU)
2021-22 (Actual)	25.11	6.36	25,022.36	4,182.46
2021-22 (Jan 22 to Mar 22)	8.52	2.28	6,537.31	927.03
BE 2022-23	26.35	8.00	26,627.33	7,540.00
2022-23 (upto Dec 22) (Provl)	17.21	7.55	18,238.81	4,306.04

**Despatch of Captive Lignite Company during the last Five Years and Current Year (upto Nov'2021)**
*(Qty. in MT)*

Company	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22 (upto Nov'21) (Prov.)
GMDCL	7.652	10.601	9.160	6.957	6.004	5.224
GIPCL	2.816	3.123	3.313	3.342	3.507	1.291
GPCL					1.272	1.083
RSMML	0.549	1.019	1.317	0.790	0.830	1.324
GHCL	0.077	0.055	0.082	0.055	0.036	0.043
VSLPPL	0.476	0.426	0.303	0.697	0.927	0.626
BLMCL	6.007	6.111	5.917	5.303	6.163	3.990
<b>All India</b>	<b>17.577</b>	<b>21.335</b>	<b>20.092</b>	<b>17.144</b>	<b>18.739</b>	<b>13.581</b>

**6. Output per Manshift - (Actual)**

Year	Coal India Ltd.			Singareni Collieries Co. Ltd.		
	UG	OC	Overall	UG	OC	Overall
2015-16	0.80	14.35	6.95	1.25	13.82	4.74
2016-17	0.80	15.26	7.53	1.17	13.85	4.74
2017-18	0.86	14.10	7.71	1.08	13.73	4.89
2018-19	0.95	14.68	8.51	1.39	16.95	6.22
2019-20	0.99	14.25	8.53	1.44	16.57	6.37
2020-21	0.93	15.09	9.02	0.92	13.80	5.61
2021-22	0.98	15.23	9.53	1.19	15.15	6.09
2022-23 (upto Nov, 22)	0.99	15.12	9.62	1.18	13.68	5.25



**7. CAPITAL OUTLAY:**

**(i) Coal India Limited (CIL):**

(₹ in Crores)

Name of PSU	2021-22			2022-23			2023-24
	BE	RE	Actual	BE	RE	Exp. (Upto Dec. 22)	BE
CIL	14685.00	14685.00	15400.96	16500.00	16500.00	11800.36	16500.00

**(ii) NLC India Limited (NLCIL):**

The details of Capital Outlay for NLCIL from 2021-22 and 2022-23 (BE and RE) and BE 2023-24 are furnished below:

(₹ in Crores)

	BE	RE	BE	RE	BE	RE	BE
<b>NLCIL Total</b>	<b>2061.00</b>	<b>2061.00</b>	<b>2,541.76</b>	<b>2,920.00</b>	<b>2,920.00</b>	<b>1,541.28</b>	<b>2,880.00</b>

**(iii) The Singareni Collieries Company Limited (SCCL):**

(₹ in Crores)

Name of PSU	2021-22			2022-23			2023-24
	BE	RE	Actual	BE	RE	Actual (up to Dec, 2022)	BE
SCCL	2500	2000	1713.70	2000.00	1600.00	909.80	1650

**Plan Expenditure:**

Year	Capital Expenditure of SCCL (₹ Crs.)
2014-15 (BE)	3850.00
2014-15 (RE)	3760.00
2014-15 (Actual)	2809.00
2015-16 (BE)	2390.00
2015-16 (RE)	3550.00
2015-16 (Actual)	2820.22
2016-17 (BE)	2300.00
2016-17 (RE)	2300.00
2016-17 (Actual)	2013.55
2017-18 (BE)	1600.00
2017-18 (RE)	1400.00
2017-18 (Provl.)	1477.39

Year	Capital Expenditure of SCCL (₹ Crs.)
2018-19 (BE)	2000.00
2018-19 (RE)	1100.00
2018-19 (Actual)	1229.69
2019-20 (BE)	1850.00
2019-20 (RE)	1850.00
2019-20 (Actual)	2257.60
2020-21 (BE)	2300.00
2020-21 (RE)	1750.00
2020-21 (Actual)	1310.08
2021-22 (BE)	2500.00
2021-22 (RE)	2000.00
2021-22 (Actual)	1713.70
2022-23 (BE)	2000.00
2022-23 (RE)	1600.00
2022-23 ( Up to Dec, 2022)	909.80