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Azadi Ka
Amrit Mahotsav

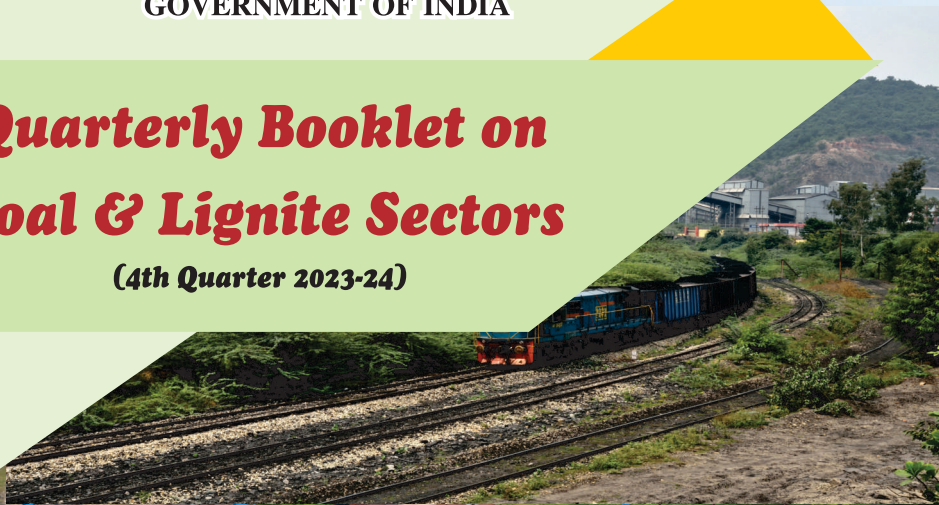


GOVERNMENT OF INDIA



Quarterly Booklet on Coal & Lignite Sectors

(4th Quarter 2023-24)



MINISTRY OF COAL

Website : <http://www.coal.nic.in>



Quarterly Booklet on Coal & Lignite Sector

Please note that the figures of 2023-24 are provisional.

**Any suggestions for improvement are most welcome
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The creation of this booklet marks a pioneering endeavour by the Statistics Division to furnish readers with a succinct overview of the Coal and Lignite sectors. Designed as a compact yet comprehensive resource, its purpose is to serve as a readily accessible informational compendium for informing and guiding the formulation and execution of pertinent policy adjustments. It is our earnest aspiration that this quarterly publication will emerge as a cornerstone repository, empowering policymakers, and research professionals to devise innovative, tailored strategies for enhancing the efficacy and seamlessness of this industry.

I extend my gratitude to the diligent team of Statistics Division, whose unwavering dedication was instrumental in compiling and presenting this invaluable publication. Furthermore, I wish to express sincere appreciation to all stakeholders whose contributions were integral to the preparation of this report.

Place : New Delhi

Dated : 02.05.2024


25/24
(Amrit Lal Meena)

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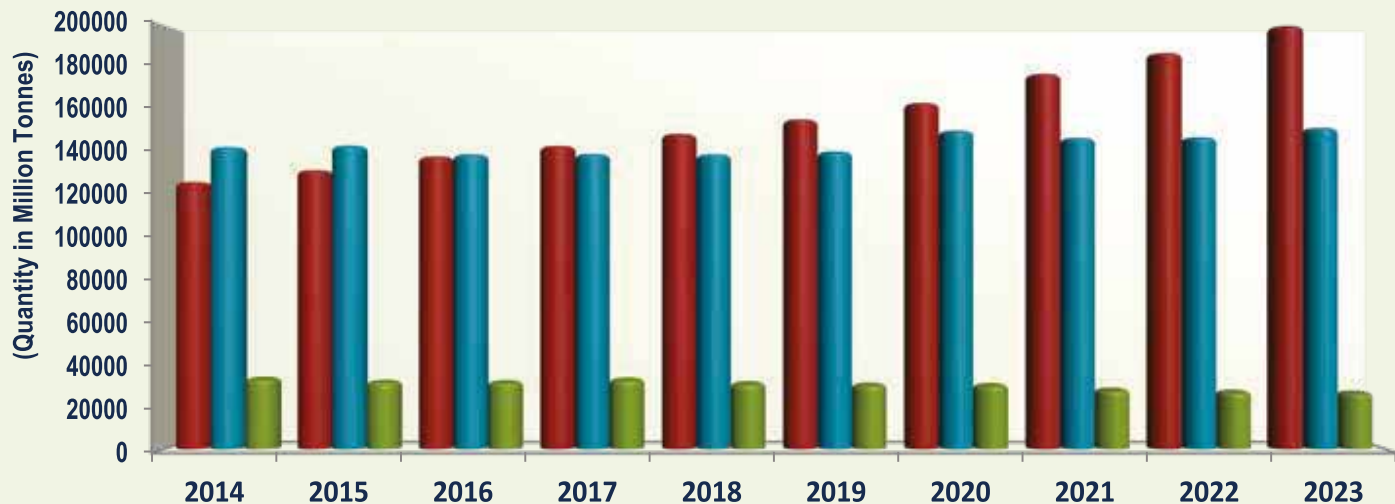
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Resources & Exploration



Chart 1: Inventory of Geological Resources & Exploration of Coal during Last Ten Years as on 1st April



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Proved	125909	131614	138087	143058	148787	155614	163461	177179	187105	199904
Indicated	142506	143241	139151	139311	139164	140501	150392	146949	147252	151682
Inferred	33148	31739	31563	32779	31069	30381	30168	27998	27054	26621

Source: Geological Survey of India

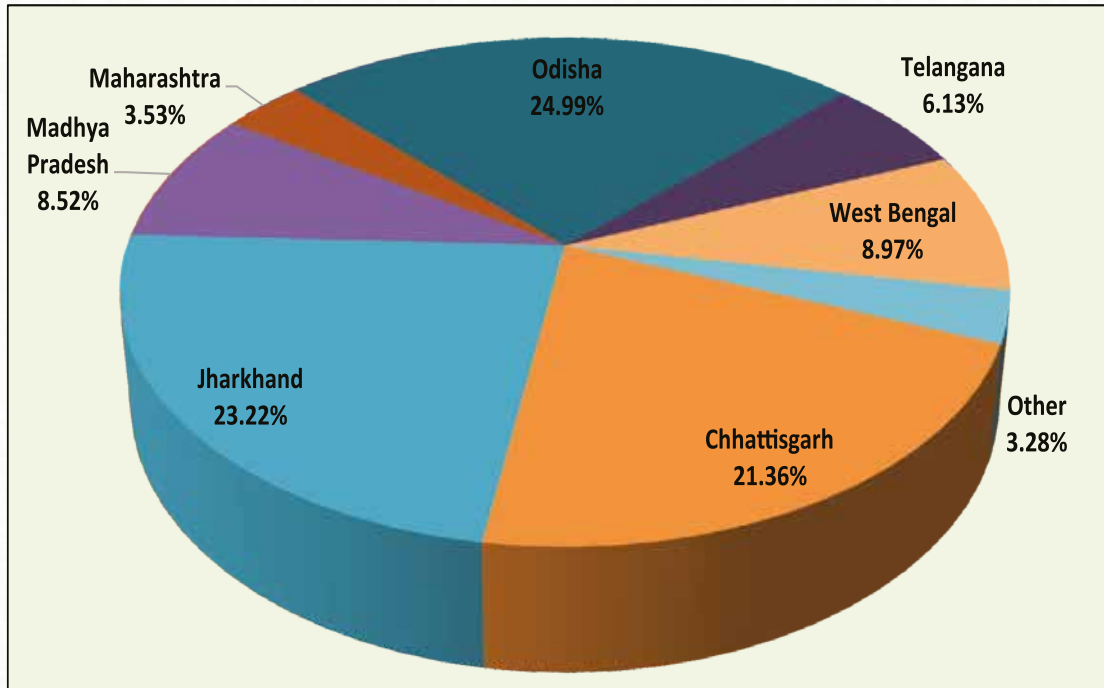
**Table 1 : State Wise Inventory of Geological Resources & Exploration of Coal
during Last Ten Years as on 1st April**

(Quantity in MT)

State	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Andhra Pradesh	22468	1581	1581	1581	1581	1607	1607	2247	4142	4172
Arunachal Pradesh	90	90	90	90	90	90	90	90	90	90
Assam	514	515	525	525	525	525	525	525	525	525
Bihar	160	160	160	1354	1367	1834	2751	3464	4437	5398
Chhattisgarh	52533	54912	56036	56661	57206	59908	69432	73424	74192	80774
Jharkhand	80716	81049	81172	82440	83152	84506	85602	86217	86660	87838
Madhya Pradesh	25673	26536	26907	27673	27987	28793	29285	30217	30917	32219
Maharashtra	10964	11253	11436	12259	12299	12677	12728	12936	13221	13336
Meghalaya	576	576	576	576	576	576	576	576	576	576
Nagaland	315	315	315	410	410	446	446	446	478	478
Odisha	75073	75799	75896	77285	79295	80840	84652	84878	88105	94519
Sikkim	101	101	101	101	101	101	101	101	101	101
Telangana		21211	21415	21464	21702	21839	22225	22851	23034	23186
Uttar Pradesh	1062	1062	1062	1062	1062	1062	1062	1062	1061	1061
West Bengal	31318	31435	31529	31667	31667	31690	32937	33092	33871	33933
All India	301564	306596	308802	315148	319020	326496	344021	352126	361411	378207

Source: Geological Survey of India

Chart 2: Percentage Share of State Wise Inventory of Geological Resources & Exploration of Coal as on 1st April 2023



Source: Geological Survey of India

Note: Share of Others include Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Meghalaya, Nagaland, Sikkim, and Uttar Pradesh.

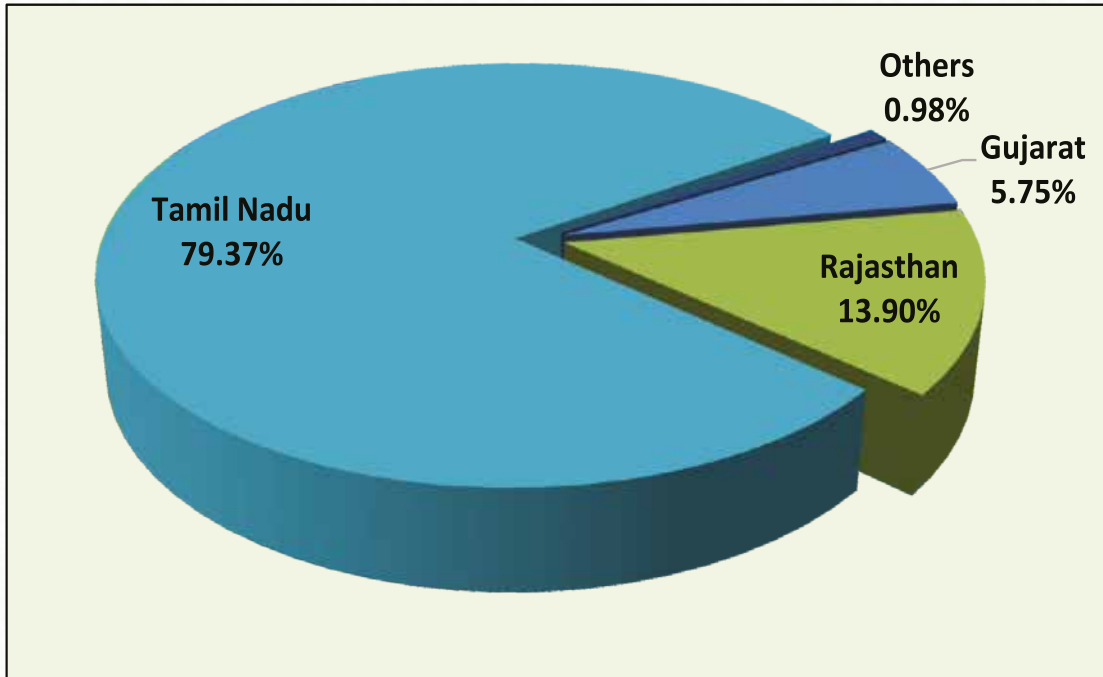
**Table 2: State Wise Inventory of Geological Resources & Exploration of Lignite during
Last Ten Years as on 1st April**

(Quantity in MT)

State	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gujarat	2722	2722	2722	2722	2722	2722	2722	2722	2722	2722
J & K	28	28	28	28	28	28	28	28	28	28
Kerala	10	10	10	10	10	10	10	10	10	10
Pondicherry	417	417	417	417	417	417	417	417	417	417
Rajasthan	5720	5727	5736	5736	6349	6349	6349	6349	6586	6586
Tamil Nadu	34348	35209	35680	35782	36135	36230	36490	36490	37597	37597
West Bengal	3	3	3	4	4	4	4	4	4	4
Odisha	0	0	0	0	0	0	0	0	6	6
All India	43247	44114	44595	44698	45664	45759	46018	46018	47369	47369

Source: Geological Survey of India

Chart 3: State Wise Inventory of Geological Resources & Exploration of Lignite as on 1st April 2023



Source: Geological Survey of India

Note: Others include Jammu & Kashmir, Kerala, Pondicherry, West Bengal and Odisha.

Production & Productivity



Table 3: Production of Coal from 2014-15 to 2023-24

(Quantity in MT)

Year	Coking Coal	Non-Coking Coal	Total
FY 15	57.45	551.73	609.18
FY 16	60.89	578.34	639.23
FY 17	61.66	596.21	657.87
FY 18	40.15	635.25	675.40
FY 19	41.13	687.59	728.72
FY 20	52.94	677.94	730.87
FY 21	44.79	671.30	716.08
FY 22	51.70	726.51	778.21
FY 23	60.76	832.43	893.19
FY 24 (P)	66.64	930.59	997.23
CAGR	1.66%	5.98%	5.63%

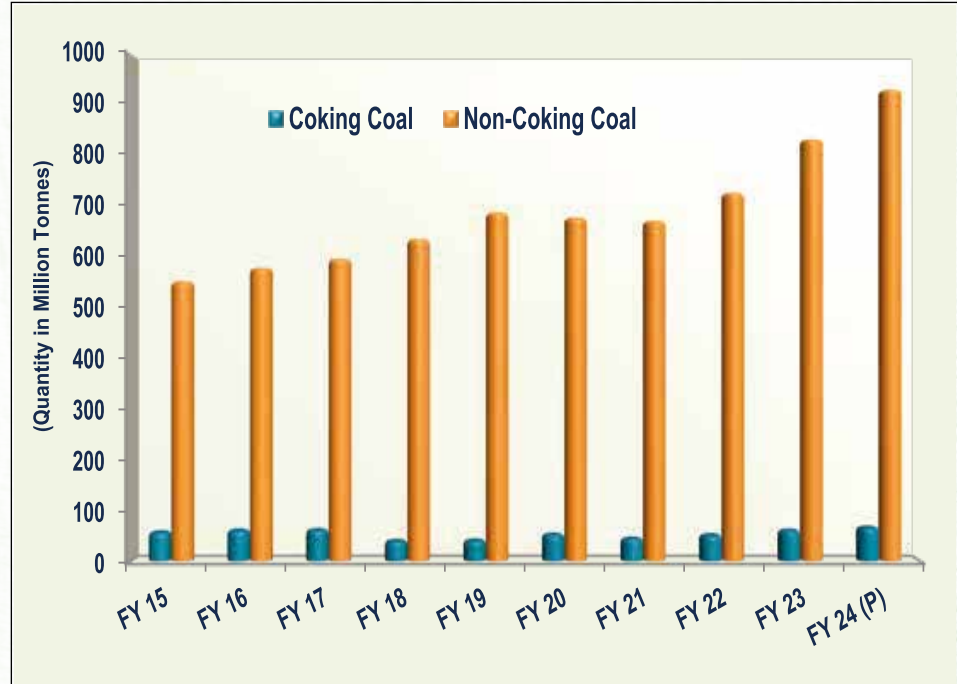


Table 4: State Wise Coal Production from 2014-15 to 2023-24

(Quantity in MT)

State	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24 (P)	CAGR
Assam	0.78	0.49	0.60	0.78	0.78	0.52	0.04	0.03	0.20	0.21	-13.55%
Chhattisgarh	134.76	130.61	138.53	142.55	161.89	157.75	158.41	154.12	184.90	206.75	4.87%
Jammu & Kashmir	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.89%
Jharkhand	124.14	121.07	126.44	123.30	134.67	131.76	119.30	130.11	156.48	191.12	4.91%
Madhya Pradesh	87.61	107.71	105.01	112.13	118.66	125.73	132.53	137.98	146.03	159.19	6.86%
Maharashtra	38.26	38.35	40.56	42.22	49.82	54.75	47.44	56.53	63.62	69.26	6.82%
Meghalaya	2.52	3.71	2.31	1.53	-	-	-	-	-	-	-
Odisha	123.63	138.46	139.36	143.33	144.31	143.02	154.15	185.07	218.98	239.40	7.62%
Telangana	52.54	60.38	61.34	62.01	65.16	65.70	52.60	67.23	69.64	72.52	3.65%
<i>Uttar Pradesh</i>	<i>14.96</i>	<i>12.69</i>	<i>16.06</i>	<i>18.31</i>	<i>20.28</i>	<i>18.03</i>	<i>17.02</i>	<i>18.07</i>	<i>20.54</i>	<i>21.51</i>	<i>4.12%</i>
<i>West Bengal</i>	<i>29.97</i>	<i>25.75</i>	<i>27.67</i>	<i>29.24</i>	<i>33.14</i>	<i>33.61</i>	<i>34.60</i>	<i>29.07</i>	<i>32.80</i>	<i>37.26</i>	<i>2.45%</i>
Total	609.18	639.23	657.87	675.40	728.72	730.87	716.08	778.21	893.19	997.23	5.63%

Chart 4: State Wise Coal Production during Last Ten Years

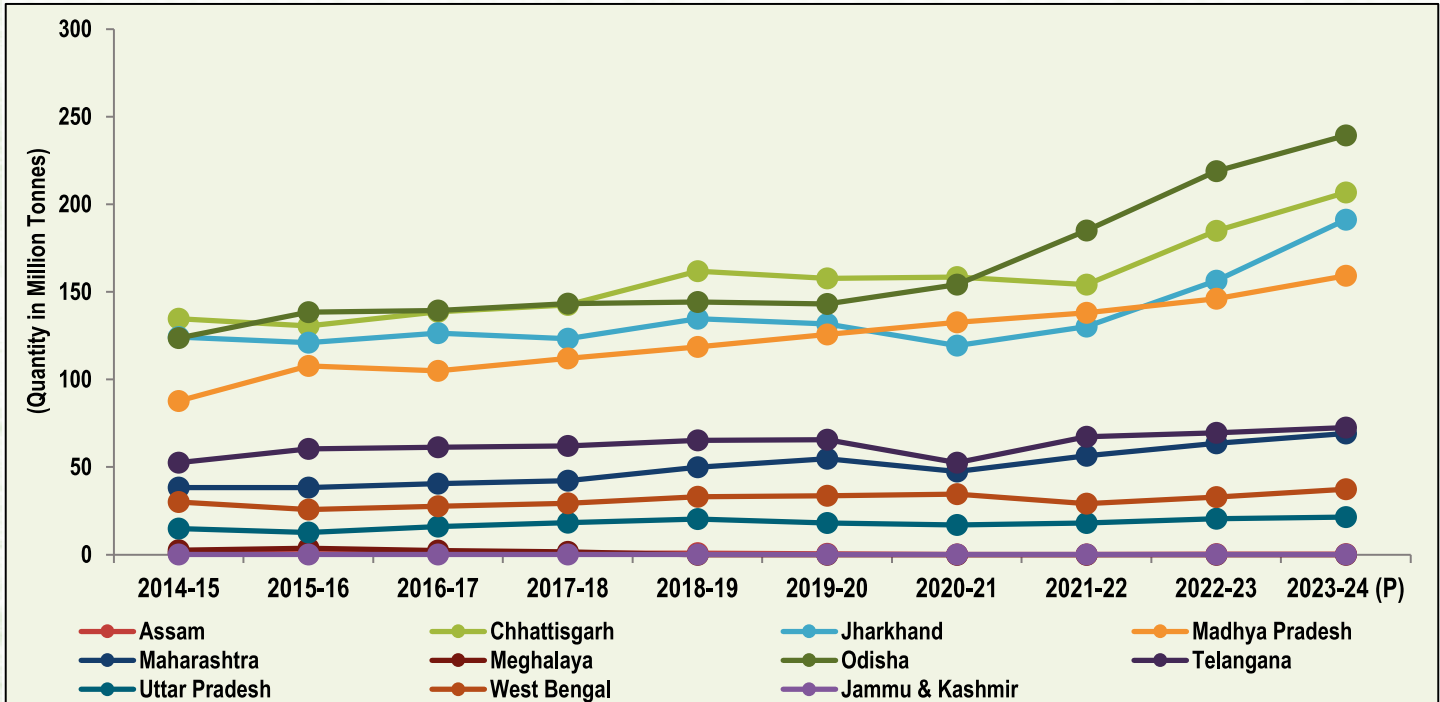


Table 5: Month Wise and State Wise Coal Production in 2023-24

(Quantity in MT)

State	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total	Growth(%)
Jharkhand	12.13	13.56	12.57	12.95	12.88	13.12	13.89	16.46	17.91	19.98	19.95	25.73	191.12	22.13%
Odisha	16.88	18.56	17.33	16.01	16.86	17.68	20.19	21.11	23.78	23.97	22.34	24.68	239.40	9.33%
Chattisgarh	15.75	15.21	15.37	15.14	13.28	12.32	15.17	15.74	17.73	20.84	20.82	29.39	206.75	11.83%
Madhya Pradesh	12.54	12.27	12.85	13.98	12.70	12.39	13.38	13.68	14.28	14.63	12.91	13.60	159.19	9.03%
Maharashtra	5.52	5.35	5.11	2.72	3.08	2.99	5.65	6.19	7.06	8.32	8.18	9.10	69.26	8.87%
Uttar Pradesh	1.61	2.13	1.90	1.44	1.74	1.77	1.86	2.00	2.09	1.77	1.66	1.54	21.51	4.57%
West Bengal	3.01	3.01	2.94	2.76	2.00	1.92	2.39	3.04	3.43	3.66	4.09	5.02	37.26	13.63%
Assam	0.02	0.01	0.01	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.21	7.69%
Telangana	5.81	6.10	5.85	4.43	5.24	5.06	6.01	6.28	6.70	6.88	6.63	7.53	72.52	4.13%
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	9.09%
Total	73.27	76.19	73.93	69.42	67.76	67.27	78.56	84.54	93.00	100.08	96.60	116.60	997.23	11.65%

Note: Growth has been calculated from the same period of the previous year.

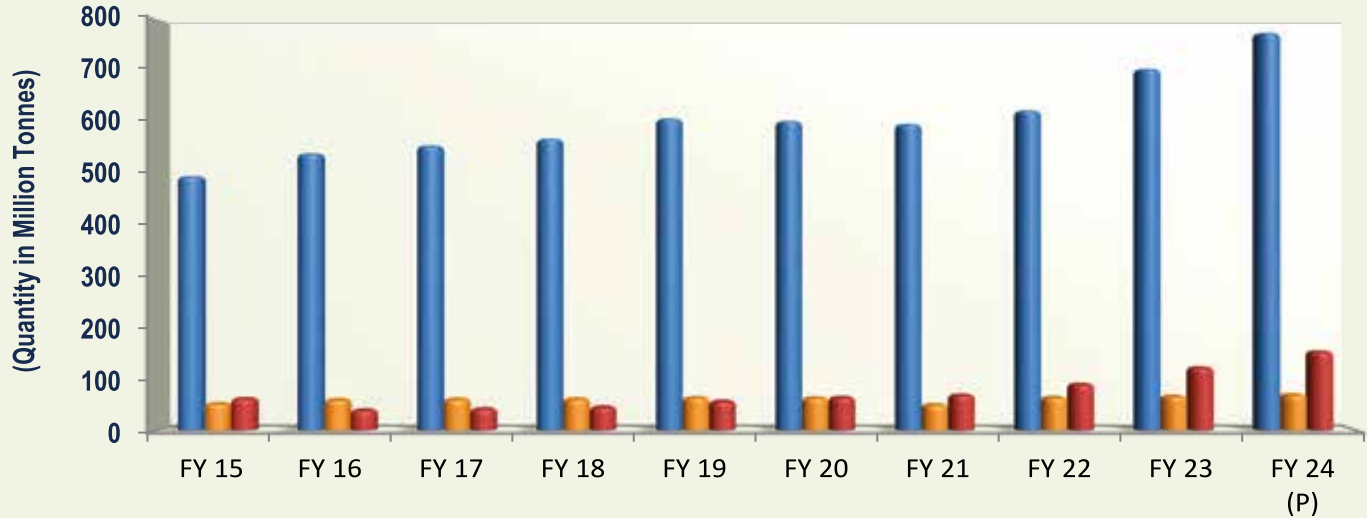
Table 6: State Wise Quarterly Coal Production in 2023-24

(Quantity in MT)

State	Qtr. 1st	Qtr. 2nd	Qtr. 3rd	Qtr. 4th	Total	Growth(%)
Jharkhand	38.26	38.95	48.26	65.65	191.12	22.13%
Odisha	52.77	50.55	65.09	70.99	239.40	9.33%
Chattisgarh	46.33	40.74	48.64	71.04	206.75	11.83%
Madhya Pradesh	37.65	39.06	41.34	41.14	159.19	9.03%
Maharastra	15.98	8.78	18.90	25.60	69.26	8.87%
Uttar Pradesh	5.64	4.95	5.95	4.97	21.51	4.57%
West Bengal	8.96	6.68	8.85	12.78	37.26	13.63%
Assam	0.04	0.01	0.08	0.08	0.21	7.69%
Telangana	17.76	14.73	18.99	21.03	72.52	4.13%
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.01	9.09%
Total	223.39	204.44	256.09	313.31	997.23	11.65%

Note: Growth has been calculated from the same period of the previous year.

Chart 5: Coal Production of CIL, SCCL, and Other Companies during 2014-15 to 2023-24

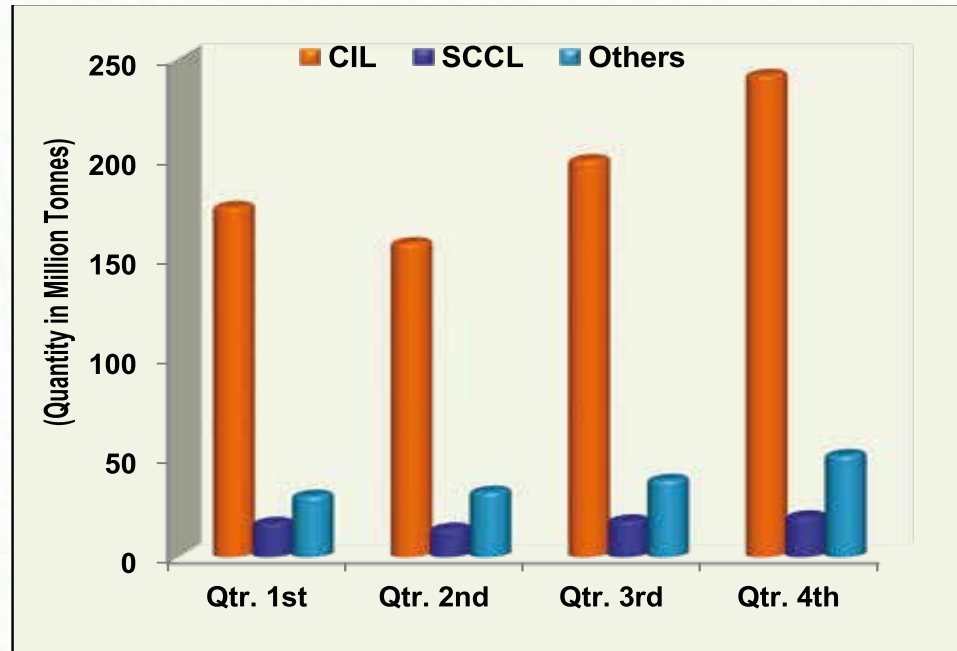


	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24 (P)
■ CIL	494.23	538.75	554.14	567.37	606.89	602.13	596.22	622.63	703.20	773.64
■ SCCL	52.54	60.38	61.34	62.01	64.40	64.04	50.58	65.02	67.14	70.02
■ Others	62.41	40.10	42.39	46.02	57.43	64.70	69.28	90.56	122.85	153.57

Table 7: Company Wise Quarterly Production of Coal in 2023-24

(Quantity in MT)

Quarter	CIL	SCCL	Others
Qtr. 1st	175.47	17.11	30.81
Qtr. 2nd	157.42	14.22	32.80
Qtr. 3rd	198.98	18.34	38.77
Qtr. 4th	241.77	20.36	51.19
Total	773.64	70.02	153.57
Growth	10.02%	4.29%	25.00%



Note: Growth has been calculated from the same period of the previous year.

Table 8: Captive Blocks Production of Coal from 2019-20 to 2023-24

(Quantity in MT)

Year	Production in Public Captive Blocks	Production in Private Captive Blocks
FY 20	32.05	32.65
FY 21	39.15	30.13
FY 22	59.79	30.77
FY 23	83.52	39.33
FY 24 (P)	105.61	47.96
CAGR	34.73%	10.09%

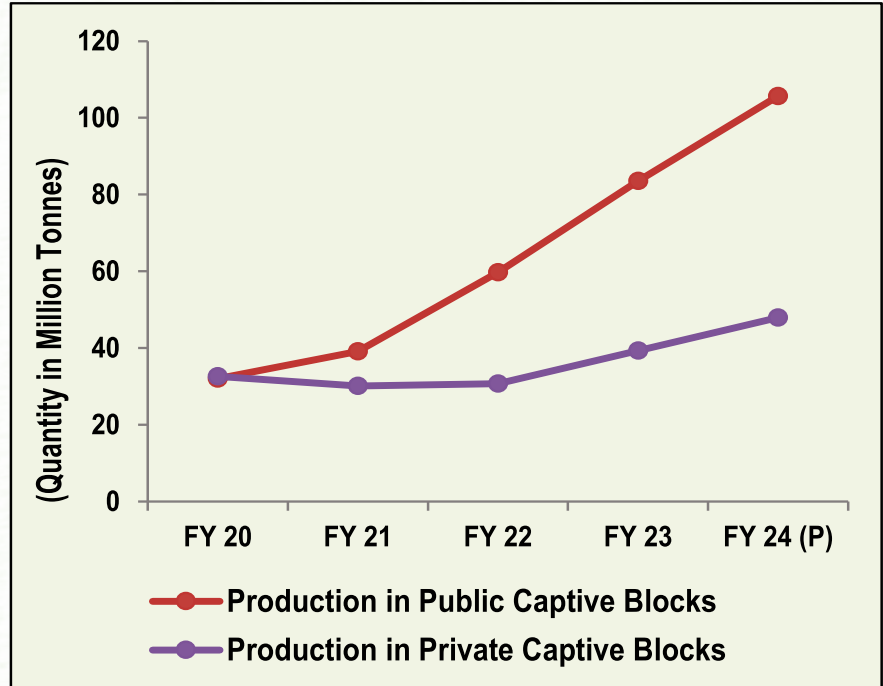
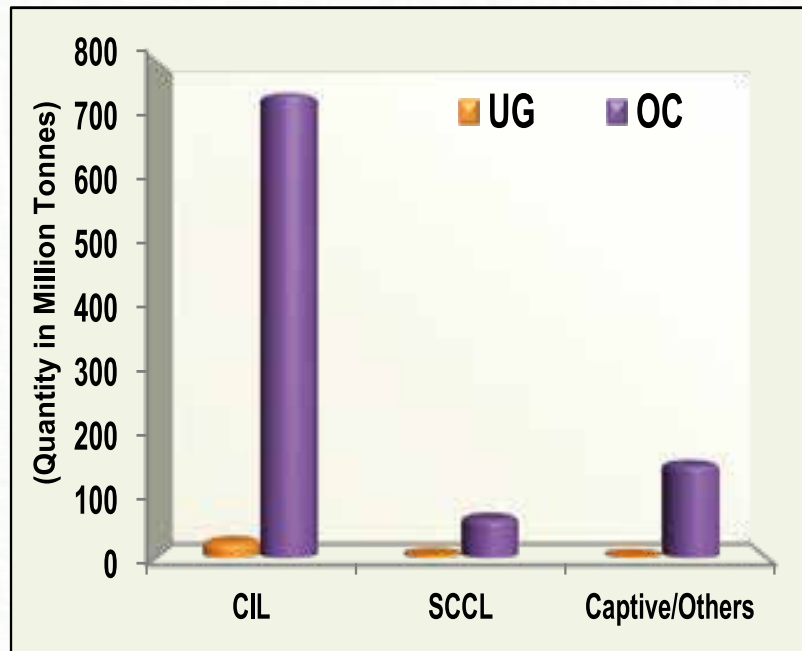


Table 9: Open Cast & UG Coal Production of FY 2023-24

(Quantity in MT)

Company	UG	OC	Total	Growth
CIL	26.02	747.62	773.64	10.02%
SCCL	5.93	64.09	70.02	5.30%
Captive/ Others	2.76	150.81	153.57	25.00%
Total	34.71	962.52	997.23	11.65%



Note: Growth has been calculated from the same period of the previous year.

Table 10: Production of Lignite from 2014-15 to 2023-24

(Quantity in MT)

Year	Production
FY 15	48.27
FY 16	43.84
FY 17	45.23
FY 18	46.64
FY 19	44.28
FY 20	42.10
FY 21	37.90
FY 22	47.49
FY 23	44.03
FY 24 (P)	42.82
CAGR	-1.32%

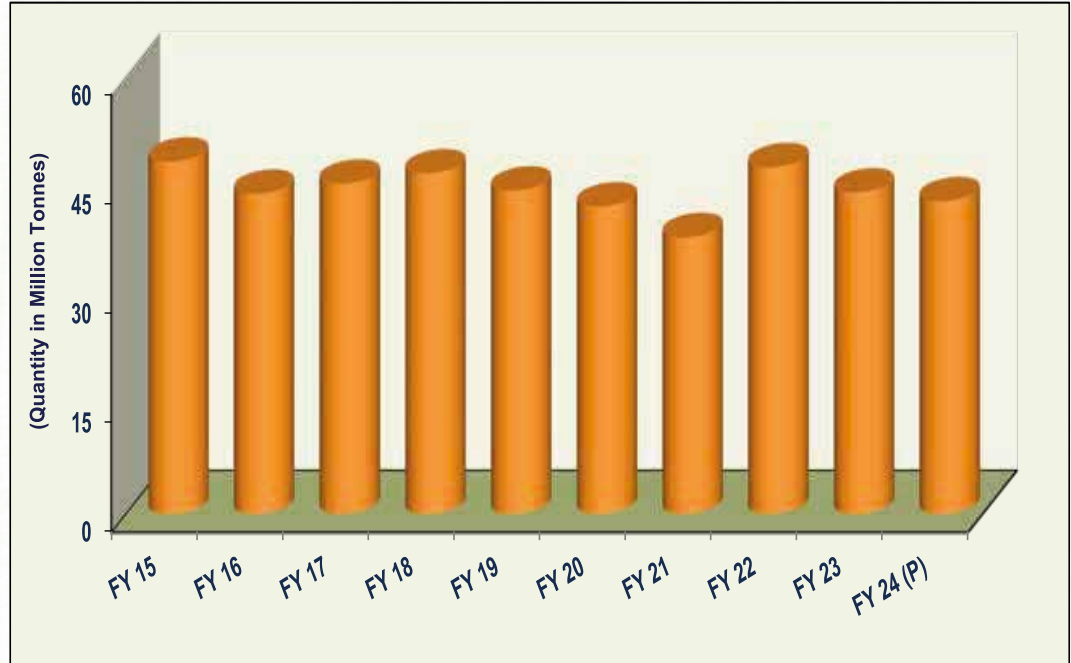


Table 11: State Wise Lignite Production from 2014-15 to 2023-24

(Quantity in MT)

State	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24 (P)	CAGR
Gujarat	12.32	10.12	10.55	13.78	12.57	10.36	10.81	13.33	12.31	11.29	-0.96%
Rajasthan	10.76	9.49	8.48	9.29	8.68	8.22	9.06	10.53	10.20	7.91	-3.36%
Tamil Nadu	25.19	24.23	26.20	23.57	23.04	23.52	18.03	23.64	21.52	23.61	-0.72%
Total	48.27	43.84	45.23	46.64	44.28	42.10	37.90	47.49	44.03	42.82	-1.32%

Chart 6: State Wise Lignite Production during Last Ten Years

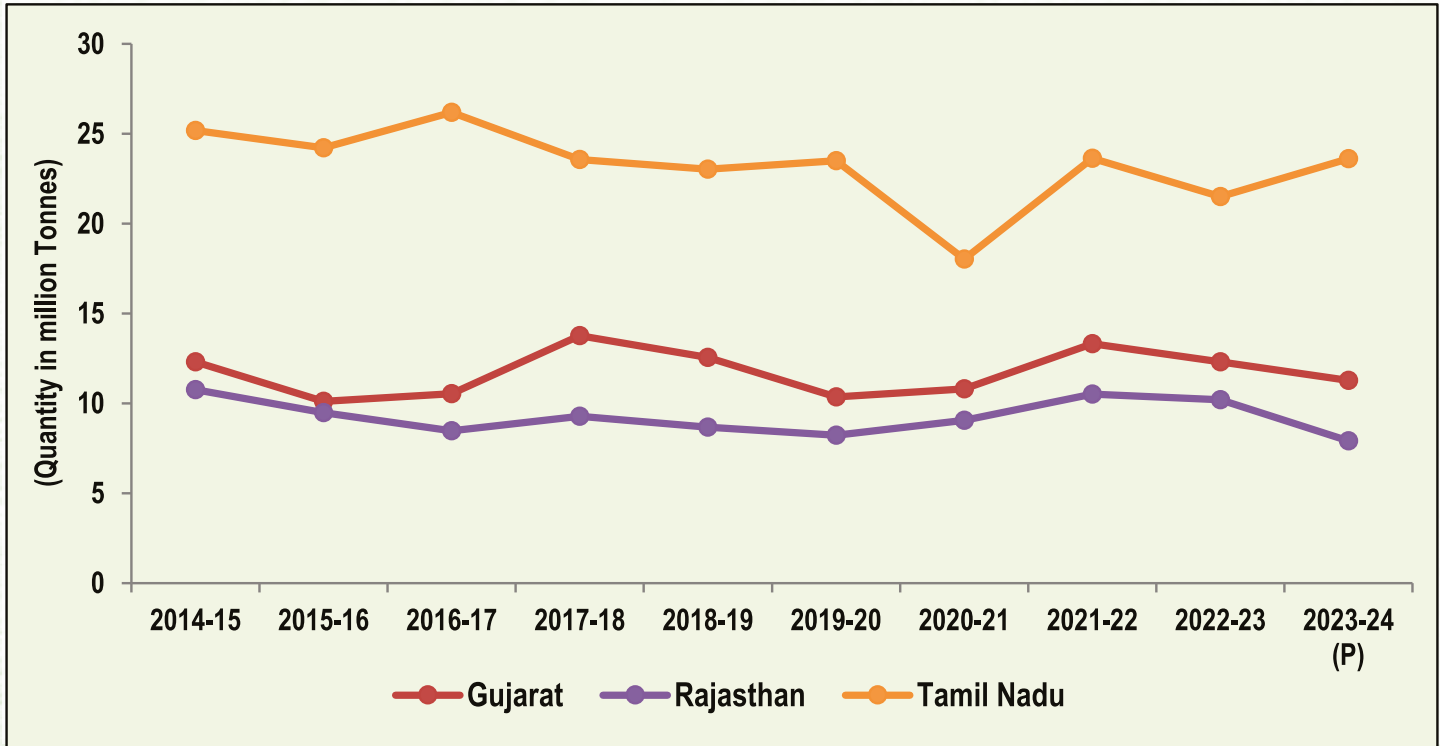
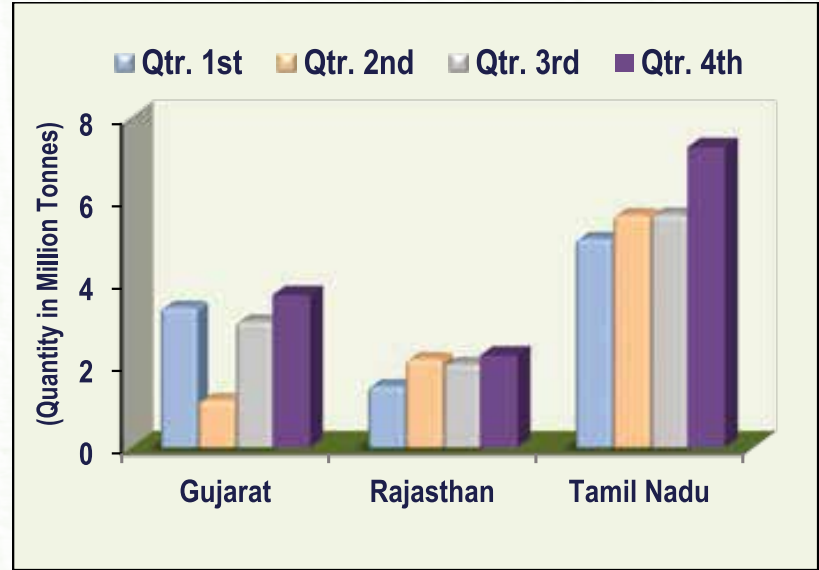


Table 12: State Wise Quarterly Lignite Production during 2023-24

(Quantity in MT)

State	Qtr. 1st	Qtr. 2nd	Qtr. 3rd	Qtr. 4th	Total	Growth
Gujarat	3.39	1.15	3.06	3.69	11.29	-8.29%
Rajasthan	1.50	2.15	2.03	2.23	7.91	-22.39%
Tamil Nadu	5.06	5.63	5.65	7.27	23.61	9.73%
Total	9.95	8.93	10.74	13.20	42.82	-2.75%



Note: Growth has been calculated from the same period of the previous year.

Table 13: Month Wise Power Generation from Different Energy Source

(in BU)

Source	April'23	May'23	June'23	July'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24	Total	Growth
Coal	106.03	106.03	103.32	98.21	103.97	103.39	111.35	99.26	100.69	111.71	104.02	112.82	1260.90	10.04%
Lignite	3.07	2.62	2.83	2.70	2.44	2.44	2.65	2.73	2.85	3.20	2.89	3.53	33.95	-6.19%
Gas	2.44	2.83	3.03	2.24	3.62	2.96	3.23	1.65	1.91	2.54	2.33	2.52	31.30	31.03%
Diesel	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.40	74.39%
Nuclear	3.51	3.50	3.21	3.95	4.37	4.53	4.49	4.42	4.28	4.15	3.50	4.02	47.94	4.53%
Hydro	8.73	11.46	14.33	17.92	21.96	16.32	11.24	6.62	6.17	6.35	5.93	7.02	134.05	-17.30%
Bhutan Imp.	0.06	0.13	0.62	1.26	1.20	0.87	0.51	0.02	0.01	0.02	0.01	0.02	4.72	-30.05%
Total Conventional	123.87	126.60	127.38	126.31	137.59	130.54	133.50	114.73	115.95	128.01	118.70	129.97	1513.26	6.50%
Wind	4.25	8.12	11.56	12.45	12.39	8.85	3.55	3.54	5.11	4.08	4.91	4.58	83.39	16.11%
Solar	10.32	10.78	9.61	8.44	9.33	9.22	10.22	7.82	8.59	9.01	10.42	12.23	115.98	13.69%
Biomass	0.30	0.32	0.29	0.26	0.26	0.26	0.27	0.28	0.31	0.31	0.27	0.31	3.42	8.09%
Bagasse	1.00	0.54	0.18	0.12	0.14	0.14	0.18	1.44	1.93	1.97	1.73	1.46	10.83	-15.84%
Small Hydro	0.59	0.73	0.74	1.25	1.24	1.22	0.97	0.77	0.59	0.48	0.44	0.47	9.48	-15.09%
Others	0.23	0.24	0.23	0.23	0.21	0.21	0.23	0.28	0.23	0.22	0.23	0.25	2.75	8.59%
Total Renewable	16.68	20.71	22.60	22.75	23.57	19.91	15.41	14.14	16.77	16.06	18.00	19.29	225.84	10.95%
Total Generation	140.55	147.32	149.99	149.06	161.17	150.45	148.91	128.87	132.71	144.07	136.70	149.25	1739.09	7.06%

Source: Central Electricity Authority (CEA)

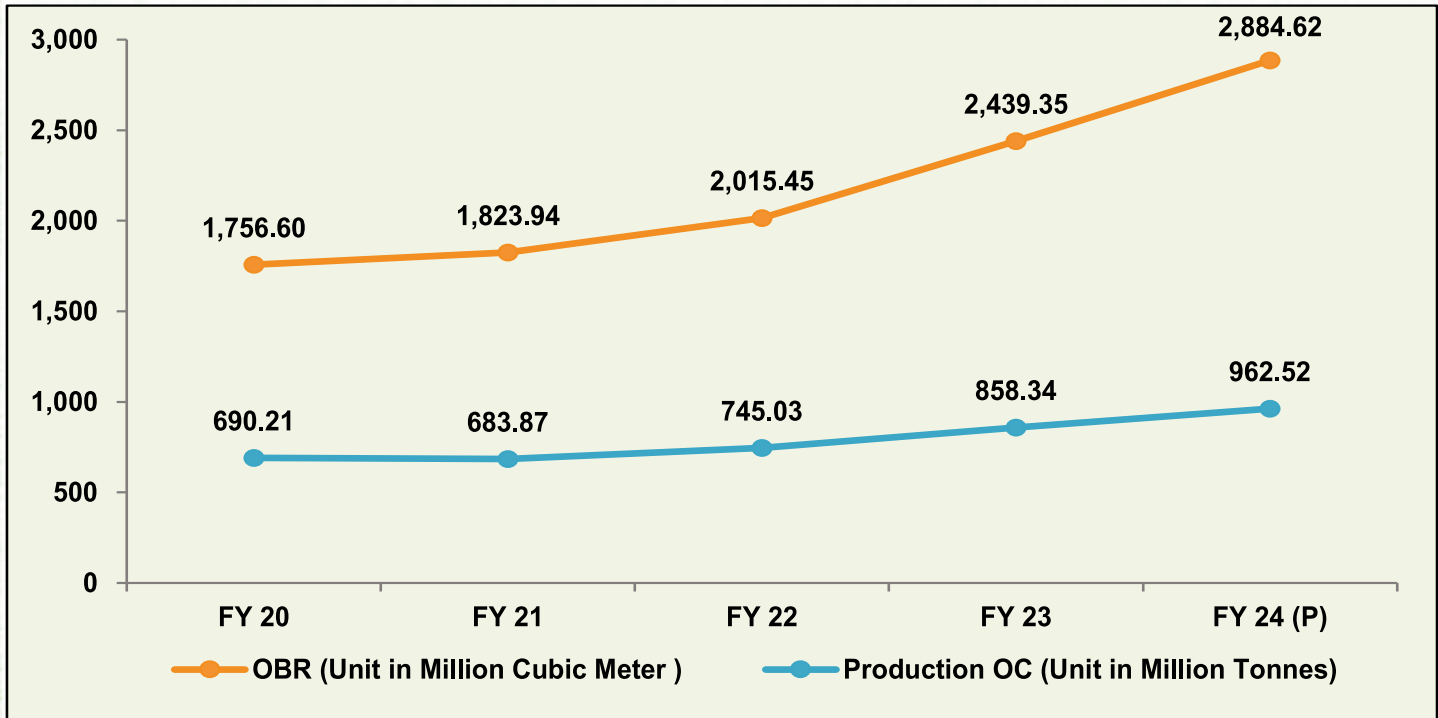
Note: Growth has been calculated from the same period of the previous year.

Table 14: Company Wise Over Burden Removal during Last Five Years

(OBR in M. CuM)

Companies	2019 - 2020	2020 - 2021	2021 - 2022	2022-2023	2023-24 (P)	CAGR
ECL	140.46	139.59	118.99	133.13	170.90	5.03%
BCCL	82.65	3.80	105.37	114.47	152.80	16.61%
CCL	103.36	103.58	100.07	106.58	121.40	4.10%
NCL	323.23	373.44	362.65	453.20	513.56	12.27%
WCL	210.66	254.19	247.12	325.61	408.85	18.03%
SECL	164.74	196.38	195.22	263.39	323.21	18.35%
MCL	124.51	173.15	206.17	229.53	277.88	22.22%
NEC	4.73	0.62	0.00	1.95	2.45	-15.16%
CIL	1154.33	1244.74	1335.59	1627.86	1971.04	14.31%
SCCL	348.98	322.55	383.39	410.11	420.32	4.76%
Captive/Others	253.29	256.64	296.46	401.38	493.26	18.13%
All India	1756.60	1823.94	2015.45	2439.35	2884.62	13.20%

Chart 7: Comparison of OBR and Production (OC) of India during Last Five Years



Note: Production (OC) is Coal produced in Open Cast mines.

Table 15: Company Wise Stripping Ratio during Last Five Years

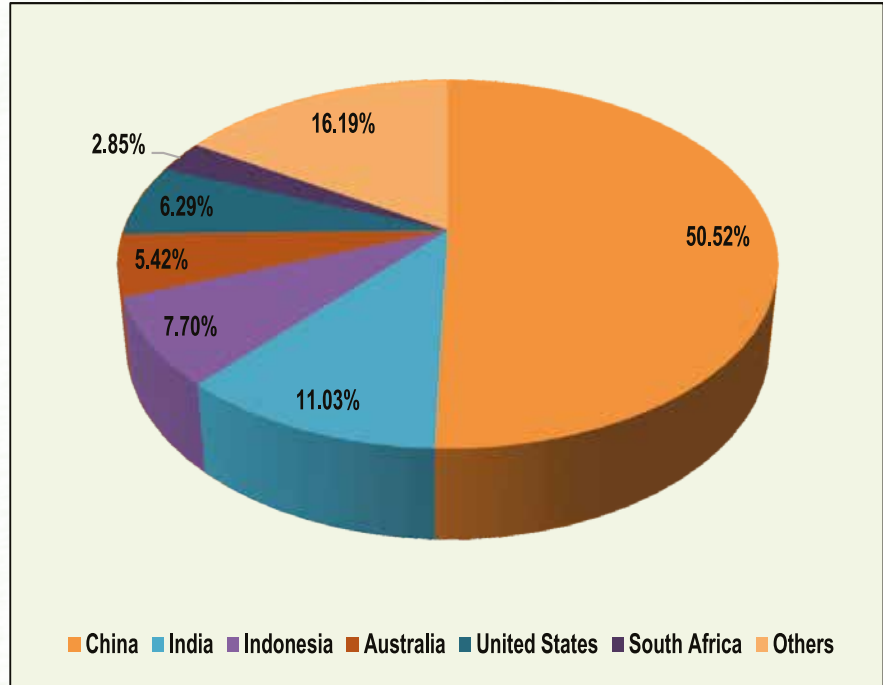
Companies	2019 - 2020	2020 - 2021	2021 - 2022	2022-2023	2023-24 (P)
ECL	3.41	3.91	5.08	5.11	4.45
BCCL	3.10	0.16	3.55	3.23	3.79
CCL	1.56	1.67	1.47	1.42	1.42
NCL	2.99	3.25	2.96	3.46	3.77
WCL	3.94	5.42	4.52	5.30	6.17
SECL	1.21	1.42	1.49	1.70	1.84
MCL	0.89	1.17	1.23	1.19	1.35
NEC	9.15	17.19	0.00	9.73	12.25
CIL	2.02	2.18	2.24	2.40	2.64
SCCL	6.30	7.00	6.52	6.84	6.56
Captive/Others	4.04	3.77	3.32	3.33	3.27
All India	2.55	2.67	2.71	2.84	3.00

Stripping ratio is defined as the ratio of OBR to Coal produced in Open Cast mining.

Table 16: Major Coal Producing Countries in the World in 2022

(Quantity in MT)

Country	Production in 2022	Percentage share of World
China	4324.35	50.52%
India	943.93	11.03%
Indonesia	659.36	7.70%
Australia	463.56	5.42%
United States	538.51	6.29%
South Africa	244.30	2.85%
Others	1385.79	16.19%
World Total	8559.80	100.00%



Source: U.S. Energy Information Administration

Table 17: Number of Operational Coal and Lignite Mines during Last Five Years

Company	2019-20	2020-21	2021-22	2022-23	2023-24 (P)
Coal					
CIL	355	349	401	322	293
SCCL	45	47	45	42	42
Others Public	20	24	22	30	27
Others Private	22	22	19	28	22
All India Total Coal	442	442	487	422	384
Lignite					
Public	17	17	17	17	17
Private	2	3	3	3	3
All India Total Lignite	19	20	20	20	20

Despatch



Table 18: Despatch of Coal from 2014-15 to 2023-24

(Quantity in MT)

Year	Coking Coal	Non-Coking Coal	Total
FY 15	56.44	547.33	603.77
FY 16	59.21	573.23	632.44
FY 17	59.31	586.67	645.98
FY 18	45.38	644.62	690.00
FY 19	43.32	689.48	732.79
FY 20	50.66	656.52	707.18
FY 21	44.00	646.89	690.89
FY 22	54.40	764.81	819.21
FY 23	59.41	817.96	877.37
FY 24 (P)	63.46	909.14	972.60
CAGR	1.31%	5.80%	5.44%

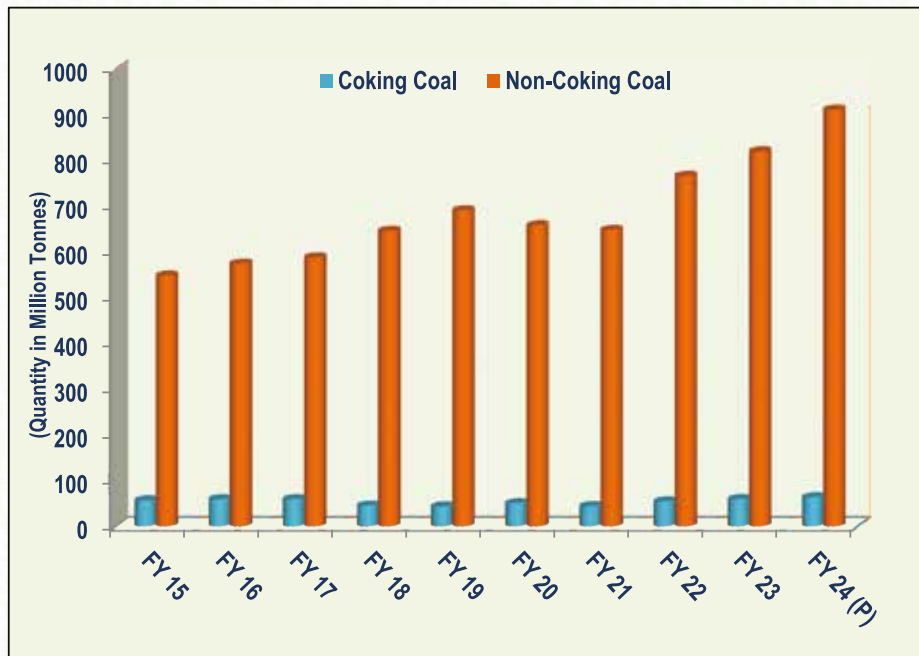
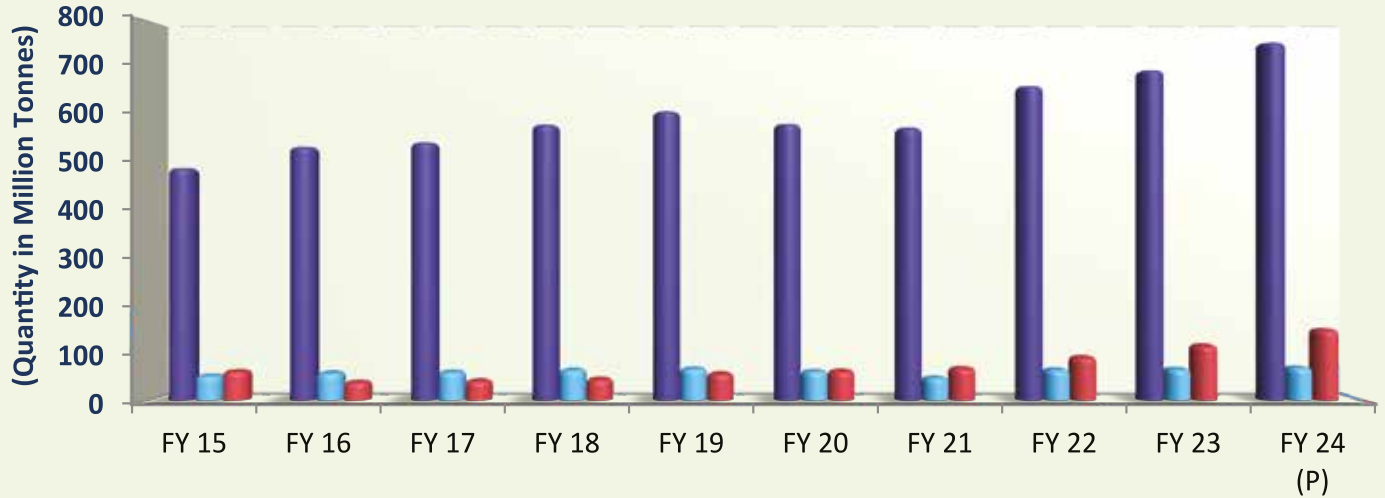


Chart 8: Coal Despatch of CIL, SCCL, and Others during 2014-15 to 2023-24

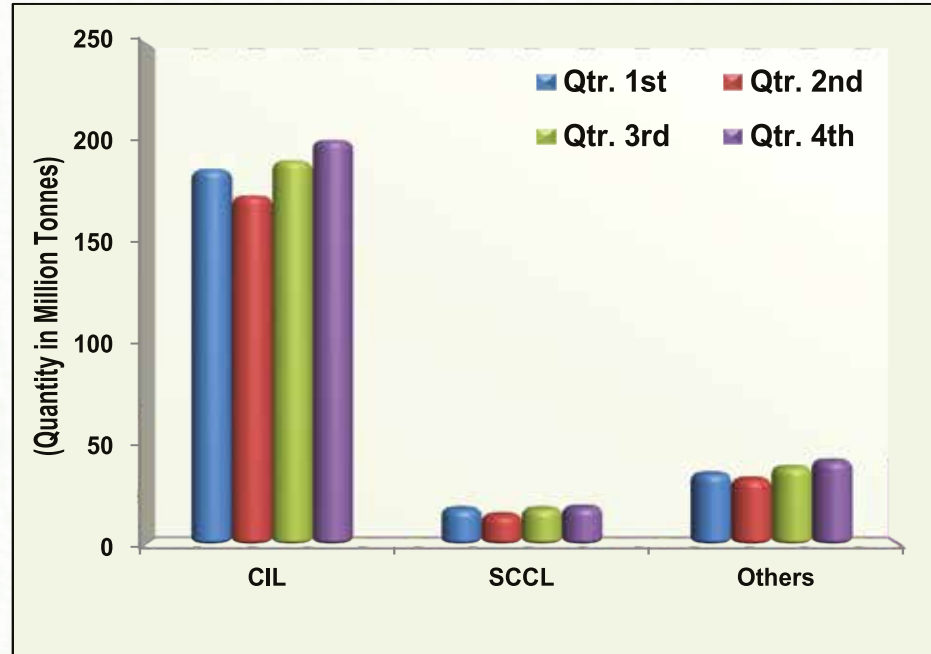


	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24 (P)
CIL	488.86	534.08	542.98	580.01	607.95	581.64	573.63	661.74	694.55	753.50
SCCL	52.66	58.69	60.79	64.62	67.67	62.47	48.51	65.53	66.69	69.86
Others	62.25	39.67	42.21	45.37	57.17	63.07	68.75	91.94	116.13	149.24

Table 19: Company Wise Quarterly Despach of Coal in 2023-24

(Quantity in MT)

Quarter	CIL	SCCL	Others
Qtr. 1st	186.95	18.03	35.62
Qtr. 2nd	173.78	14.97	32.85
Qtr. 3rd	191.20	18.03	38.78
Qtr. 4th	201.57	18.84	42.00
Total	753.50	69.86	149.24
Growth	8.47%	4.75%	28.51%



Note: Growth has been calculated from the same period of the previous year.

Table 20: Captive Blocks Wise Despatch of Coal from 2019-20 to 2023-24

(Quantity in MT)

Year	Public	Private	Total
FY 20	30.42	32.65	63.07
FY 21	39.00	29.74	68.74
FY 22	61.40	30.54	91.94
FY 23	77.77	38.37	116.13
FY 24 (P)	102.25	46.99	149.24
CAGR	35.40%	9.53%	24.03%

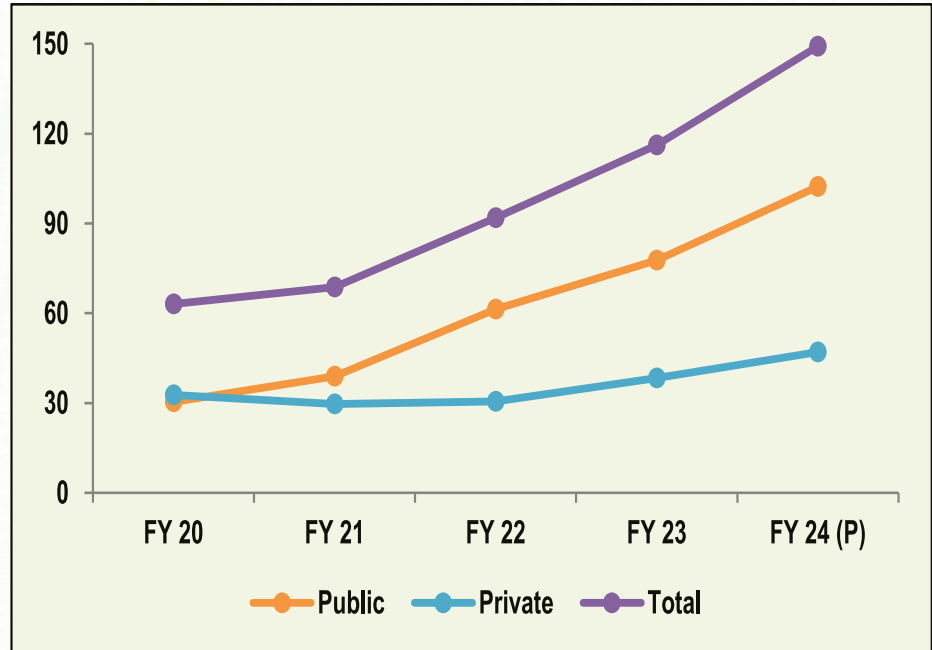


Table 21: Year Wise Despatch of Coal to Different Priority Sectors from 2014-15 to 2023-24

(Quantity in MT)

Year	Power	CPP	Steel	Cement	Sponge Iron	Others	Total Despatch
2014-15	435.44	62.26	12.52	11.36	17.77	64.43	603.77
2015-16	483.12	34.65	12.52	8.99	7.76	85.40	632.44
2016-17	490.99	44.06	10.34	6.36	5.56	88.68	645.98
2017-18	519.58	65.91	11.45	7.71	8.53	76.83	690.00
2018-19	567.65	76.78	12.81	8.82	12.23	54.51	732.79
2019-20	541.00	85.15	11.91	8.57	10.53	50.02	707.18
2020-21	535.45	45.79	8.94	6.75	9.57	84.39	690.89
2021-22	673.35	36.70	9.16	7.31	9.02	83.68	819.21
2022-23	735.14	50.26	13.38	9.31	8.09	61.19	877.37
2023-24 (P)	809.64	60.91	9.69	8.86	9.91	73.59	972.60
CAGR	7.13%	-0.24%	-2.81%	-2.72%	-6.28%	1.49%	5.44%

Chart 9: Year Wise Despatch of Coal to Different Priority Sectors from 2014-15 to 2023-24

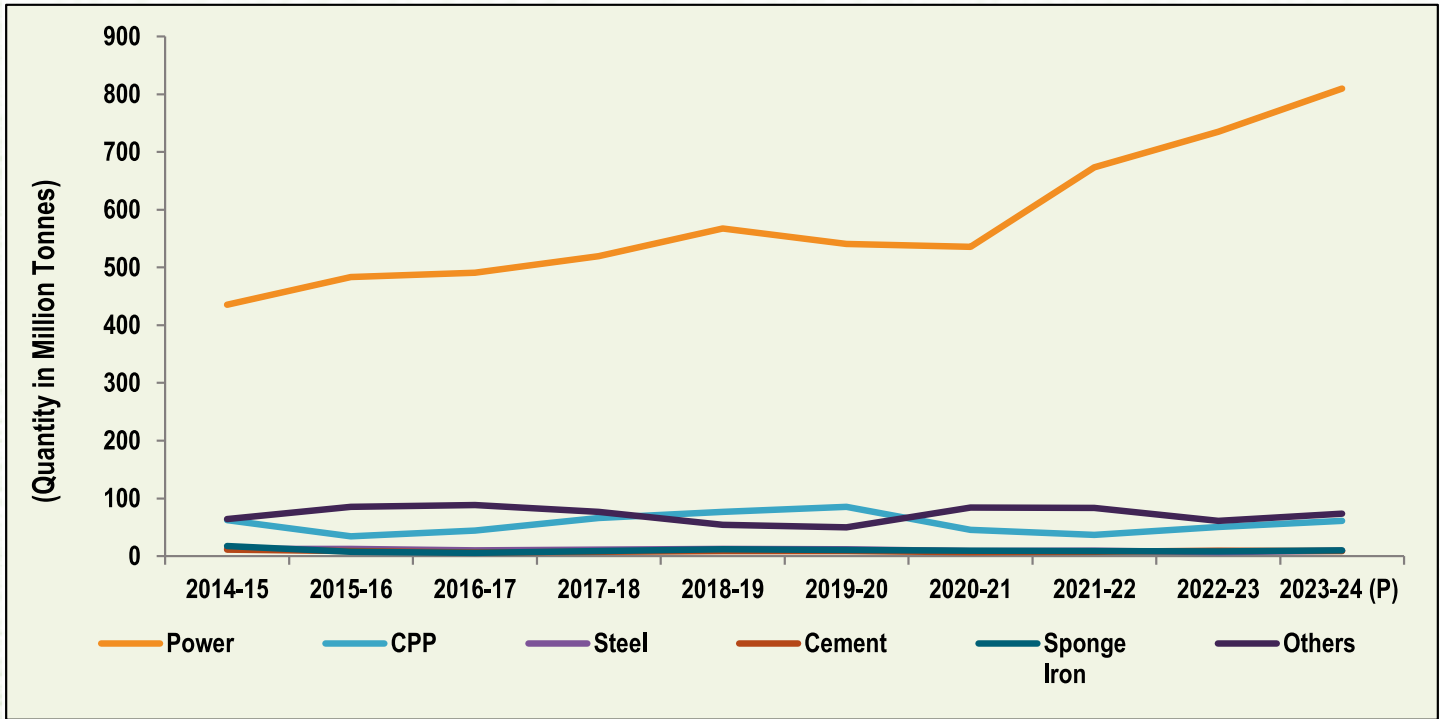


Table 21 A: CIL's Mode Wise Despatch of Coal from 2019-20 to 2023-24

(Quantity in MT)

Mode	2019-20		2020-21		2021-22		2022-23		2023-24 (P)	
	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %
Rail	282.79	48.62	331.05	57.71	360.15	54.42	360.02	51.84	388.84	51.60
RCR									79.89	10.60
Road	181.91	31.27	124.01	21.62	185.97	28.10	222.00	31.96	169.88	22.55
Belt	11.26	1.94	11.33	1.98	10.22	1.55	11.01	1.59	10.24	1.36
Rope	1.72	0.30	1.73	0.30	1.51	0.23	1.47	0.21	1.50	0.20
MGR	101.84	17.51	103.78	18.09	103.90	15.70	100.04	14.40	102.48	13.60
Other	2.13	0.37	1.73	0.30	0.00	0.00	0.00	0.00	0.67	0.09
Total	581.64	100.00	573.63	100.00	661.74	100.00	694.54	100.00	753.50	100.00

Chart 9 A: CIL's Mode Wise Despatch of Coal during Last Five Years

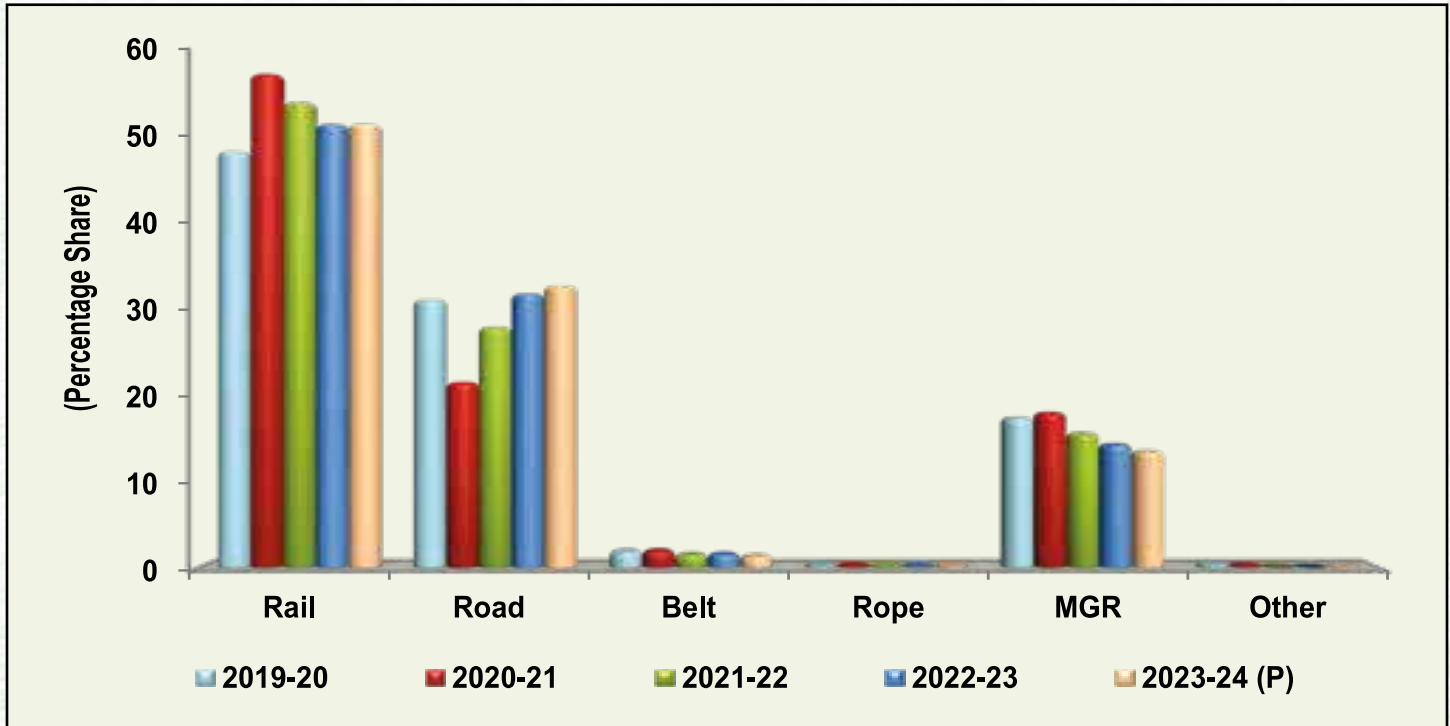


Table 21 B: SCCL's Mode Wise Despatch of Coal from 2019-20 to 2023-24

(Quantity in MT)

Mode	2019-20		2020-21		2021-22		2022-23		2023-24 (P)	
	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %
Rail	44.38	71.05	34.02	70.13	44.86	68.45	44.75	67.09	45.79	65.55
RCR									2.36	3.38
Road	8.38	13.41	7.31	15.07	12.38	18.89	13.11	19.66	12.66	18.12
Belt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rope	0.38	0.61	0.34	0.71	0.56	0.86	0.61	0.92	0.54	0.77
MGR	8.20	13.12	6.84	14.10	7.23	11.03	7.29	10.93	8.51	12.18
Other	1.13	1.81	0.00	0.00	0.51	0.78	0.93	1.40	0.00	0.00
Total	62.47	100.00	48.51	100.00	65.53	100.00	66.69	100.00	69.86	100.00

Chart 9 B: SCCL's Mode Wise Despatch of Coal during Last Five Years

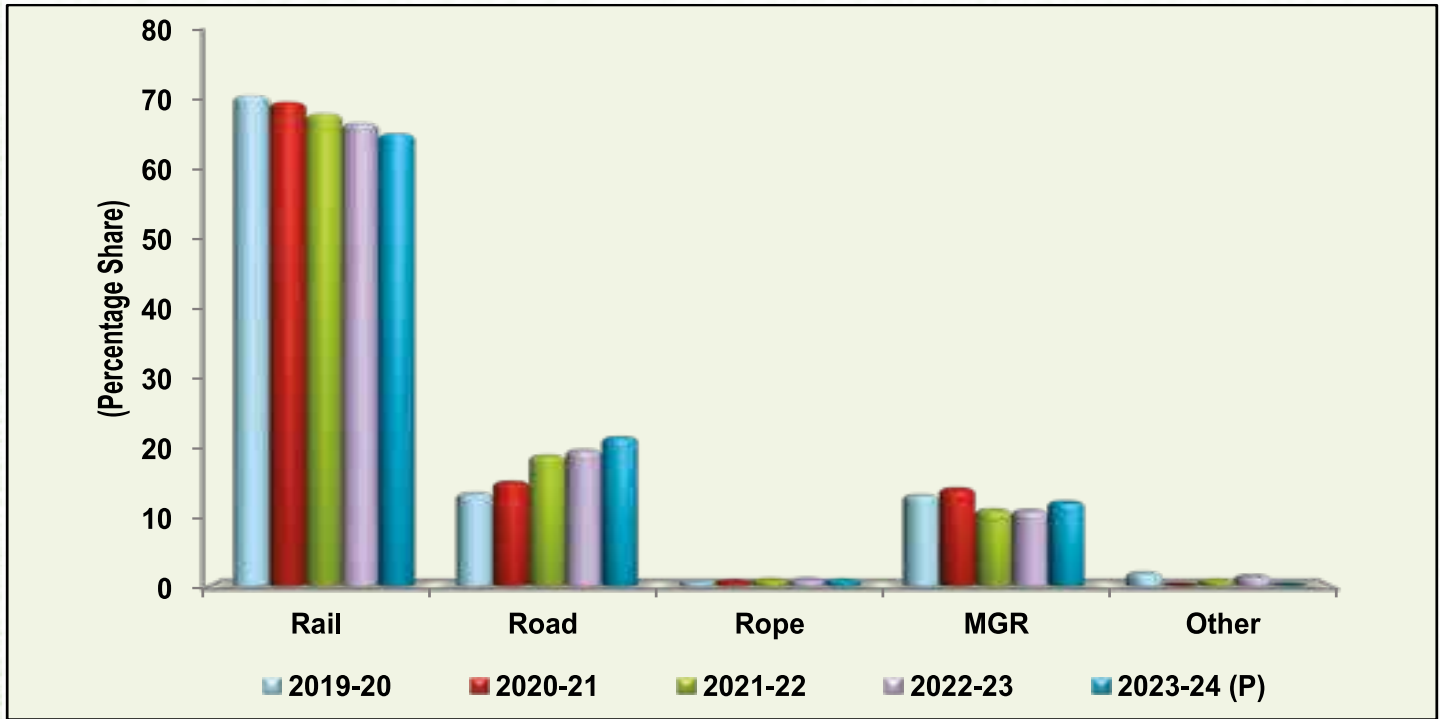


Table 21 C: Other Companies' Mode Wise Despatch of Coal from 2019-20 to 2023-24

(Quantity in MT)

Mode	2019-20		2020-21		2021-22		2022-23		2023-24 (P)	
	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %	Quantity	Share %
Rail	3.02	4.79	7.18	10.45	17.66	19.21	11.97	10.31	63.20	42.35
RCR									21.31	14.28
Road	53.51	84.86	37.56	54.64	29.17	31.73	53.62	46.17	31.11	20.85
Belt	6.11	9.69	20.76	30.20	37.97	41.31	36.21	31.17	18.08	12.11
Rope	0.07	0.12	0.05	0.07	0.08	0.09	0.01	0.01	0.00	0.00
MGR	0.20	0.32	3.19	4.65	7.05	7.66	14.29	12.30	15.54	10.41
Other	0.14	0.22	0.00	0.00	0.00	0.00	0.04	0.03	0.00	0.00
Total	63.06	100.00	68.75	100.00	91.93	100.00	116.14	100.00	149.24	100.00

Chart 9 C: Other Companies' Mode Wise Despatch of Coal during Last Five Years

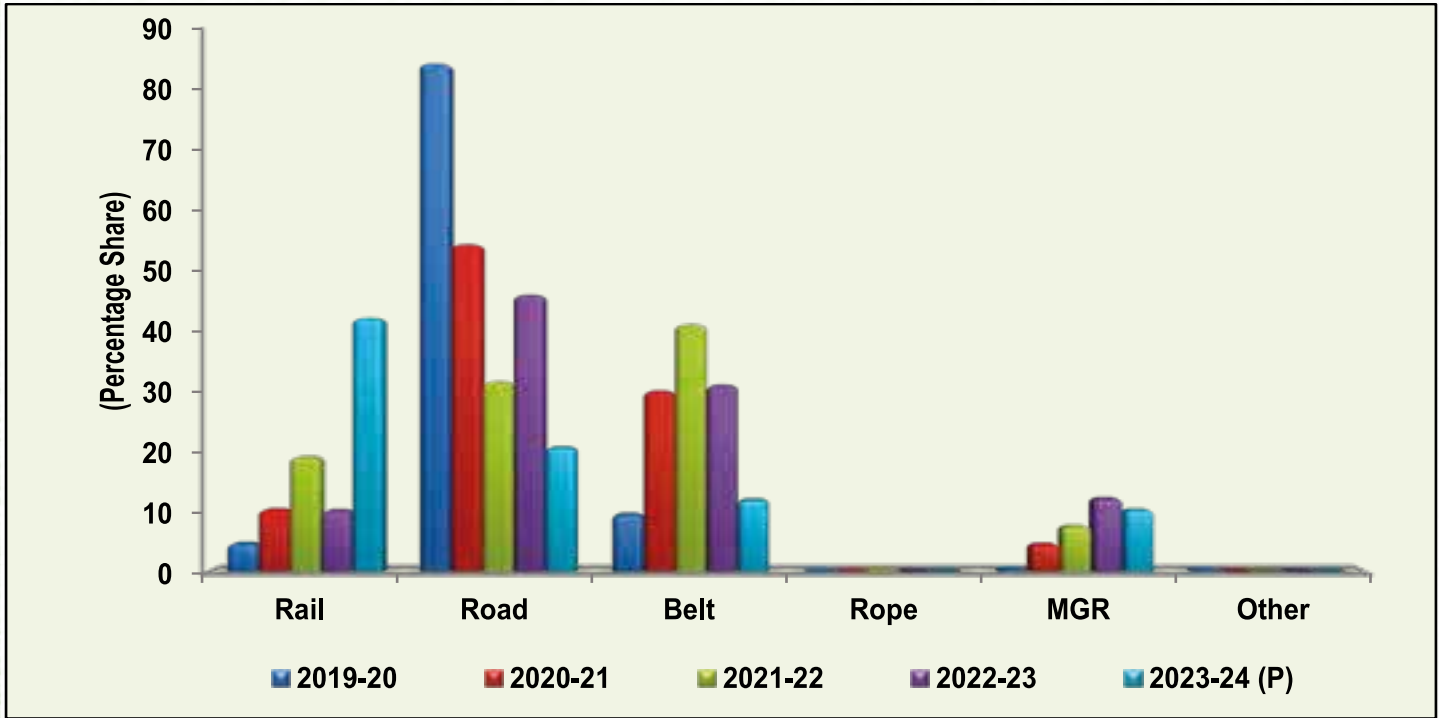
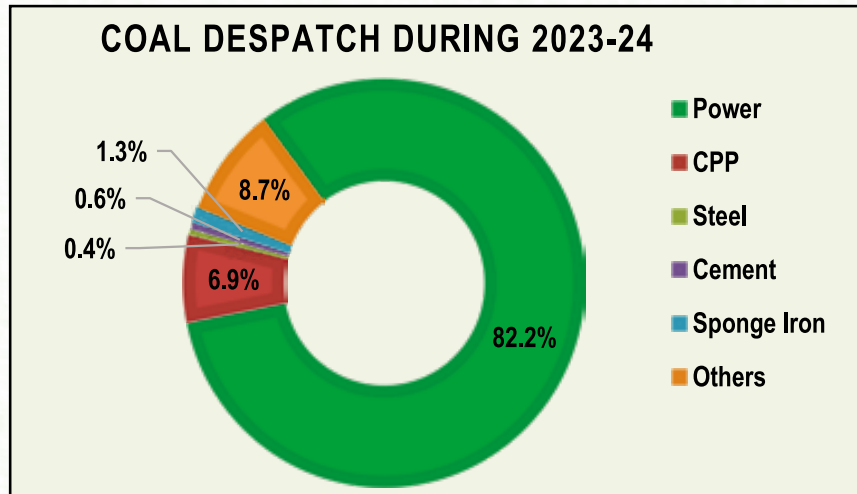


Table 22: Sectorwise Despatch of Coal by CIL

(Quantity in MT)

Sectors	Coal Despatch of FY 2023-24		
	FY 24	FY 23	Growth (%) Y-o-Y
Power	619.14	586.01	5.65
CPP	51.88	37.32	39.01
Steel	3.27	7.21	-54.67
Cement	4.21	3.49	20.53
Sponge Iron	9.58	7.19	33.22
Others	65.42	53.31	22.71
Total	753.50	694.54	8.49

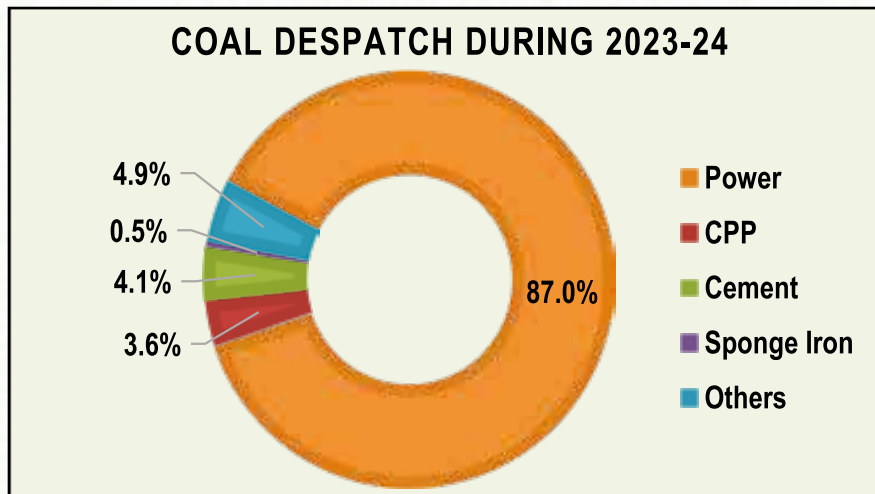


Source: Coal India Limited

Table 23: Sectorwise Despatch of Coal by SCCL

(Quantity in MT)

Sectors	Coal Despatch of FY 2023-24		
	FY 24	FY 23	Growth (%) Y-o-Y
Power	60.79	54.65	11.25
CPP	2.49	3.59	-30.58
Steel	-	-	-
Cement	2.84	3.49	-18.56
Sponge Iron	0.33	0.48	-31.20
Others	3.40	4.48	-24.14
Total	69.86	66.69	4.75

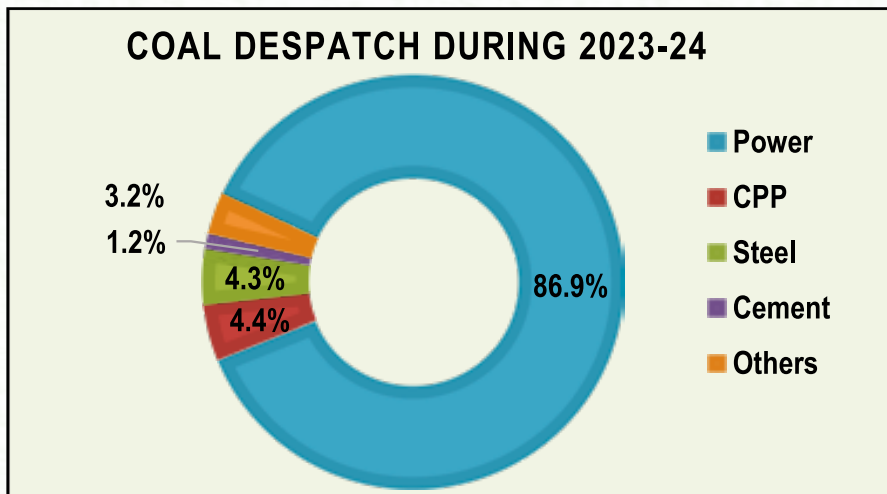


Source: Singareni Collieries Company Limited

Table 24: Sectorwise Despatch of Coal by Captive and Others

(Quantity in MT)

Sectors	Coal Despatch of FY 2023-24		
	FY 24	FY 23	Growth (%) Y-o- Y
Power	129.70	94.48	37.28
CPP	6.54	9.35	-30.11
Steel	6.42	6.16	4.30
Cement	1.81	2.32	-22.33
Sponge Iron	-	0.42	-
Others	4.78	3.40	40.44
Total	149.24	116.13	28.51

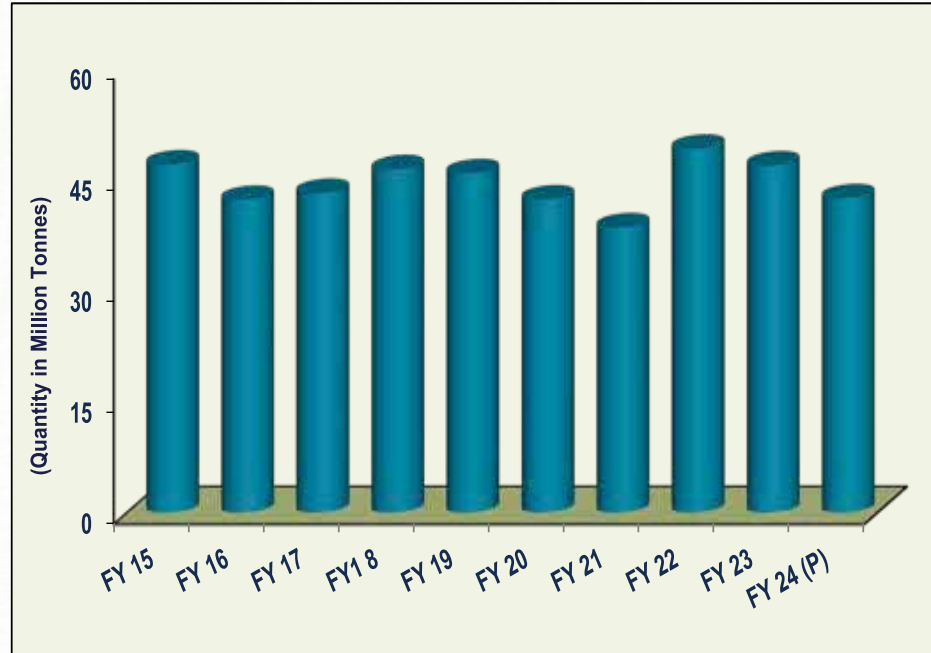


Source: Coal India Limited

Table 25: Despatch of Lignite from 2014-15 to 2023-24

(Quantity in MT)

Year	Despatch
FY 15	46.95
FY 16	42.21
FY 17	43.16
FY1 8	46.32
FY 19	45.81
FY 20	42.27
FY 21	38.49
FY 22	49.07
FY 23	46.82
FY 24 (P)	42.43
CAGR	-1.12%



Pit-head Closing Stock

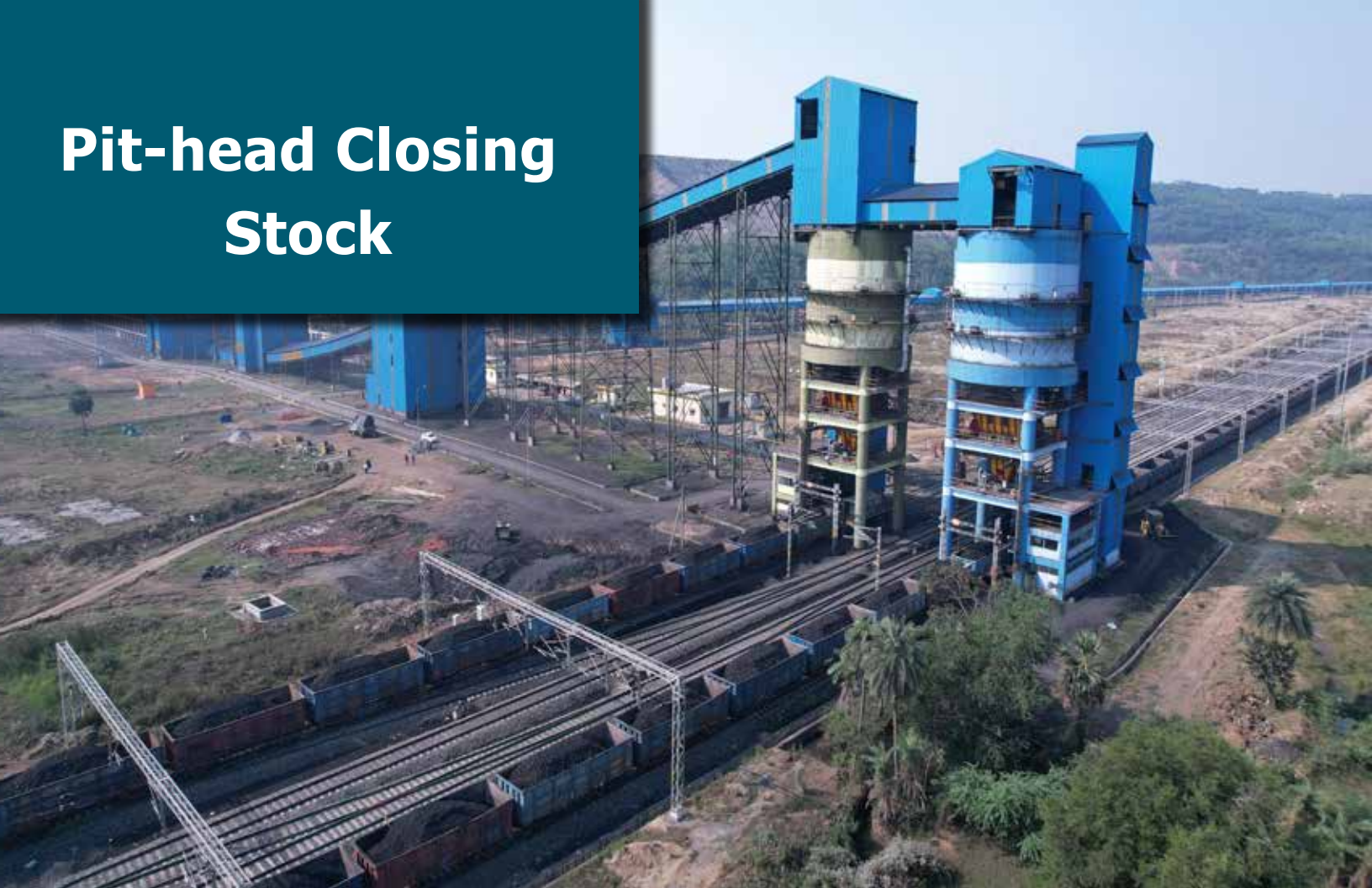


Table 26: Pit-head Closing Stock of Coal from 2014-15 to 2023-24 as on last day of the Month

(Quantity in MT)

Year	Coking Coal	Non-Coking Coal	Total
FY 15	6.96	52.43	59.39
FY 16	8.72	56.64	65.36
FY 17	11.17	65.72	76.89
FY 18	6.05	55.98	62.04
FY 19	4.14	53.51	57.64
FY 20	6.42	75.01	81.43
FY 21	7.23	101.83	109.06
FY 22	4.47	64.44	68.90
FY 23	5.81	78.61	84.42
FY 24 (P)	7.58	101.63	109.20
CAGR	0.94%	7.63%	7.00%

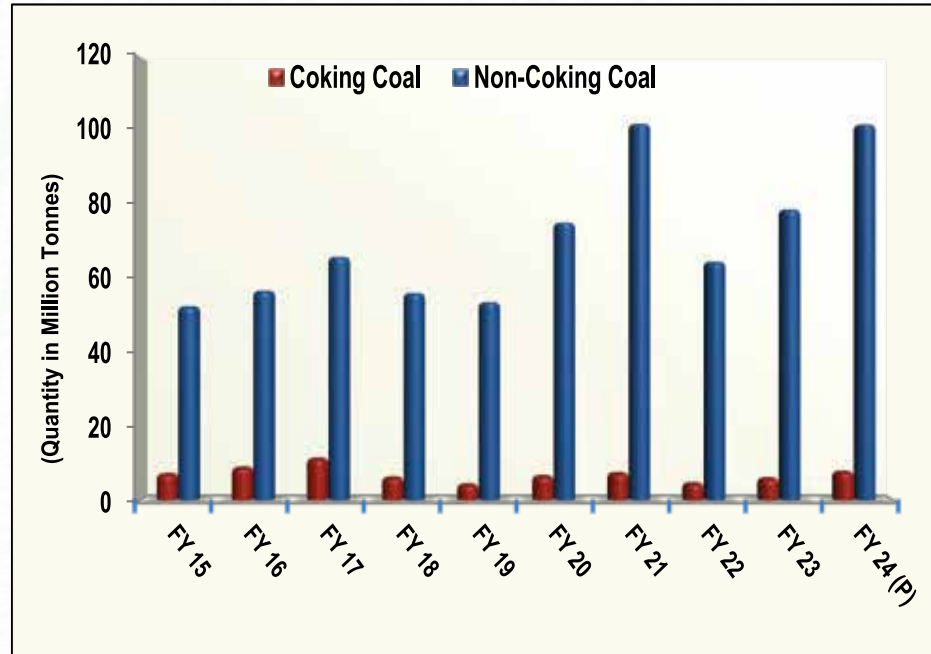


Table 27: Company Wise Monthly Pit-head Closing Stock of Coal in 2023-24 as on last day of the Month

(Quantity in MT)

Month	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Growth (%)
CIL	64.64	60.83	57.74	52.03	45.33	41.58	40.92	43.93	49.26	60.16	69.69	89.48	29.06
SCCL	4.69	4.30	4.19	3.91	3.55	3.48	3.50	3.64	3.80	4.22	4.82	5.31	3.11
Others	7.90	5.96	5.12	4.55	4.85	5.51	5.41	4.63	5.45	6.49	8.39	14.41	44.53
Total	77.23	71.08	67.05	60.49	53.73	50.57	49.83	52.21	58.51	70.87	82.91	109.20	29.31

Note: Growth has been calculated from March-23 to March -24.

Chart 10: Company Wise Monthly Pit-head Closing Stock of Coal in 2023-24 as on last day of the Month

(Quantity in MT)

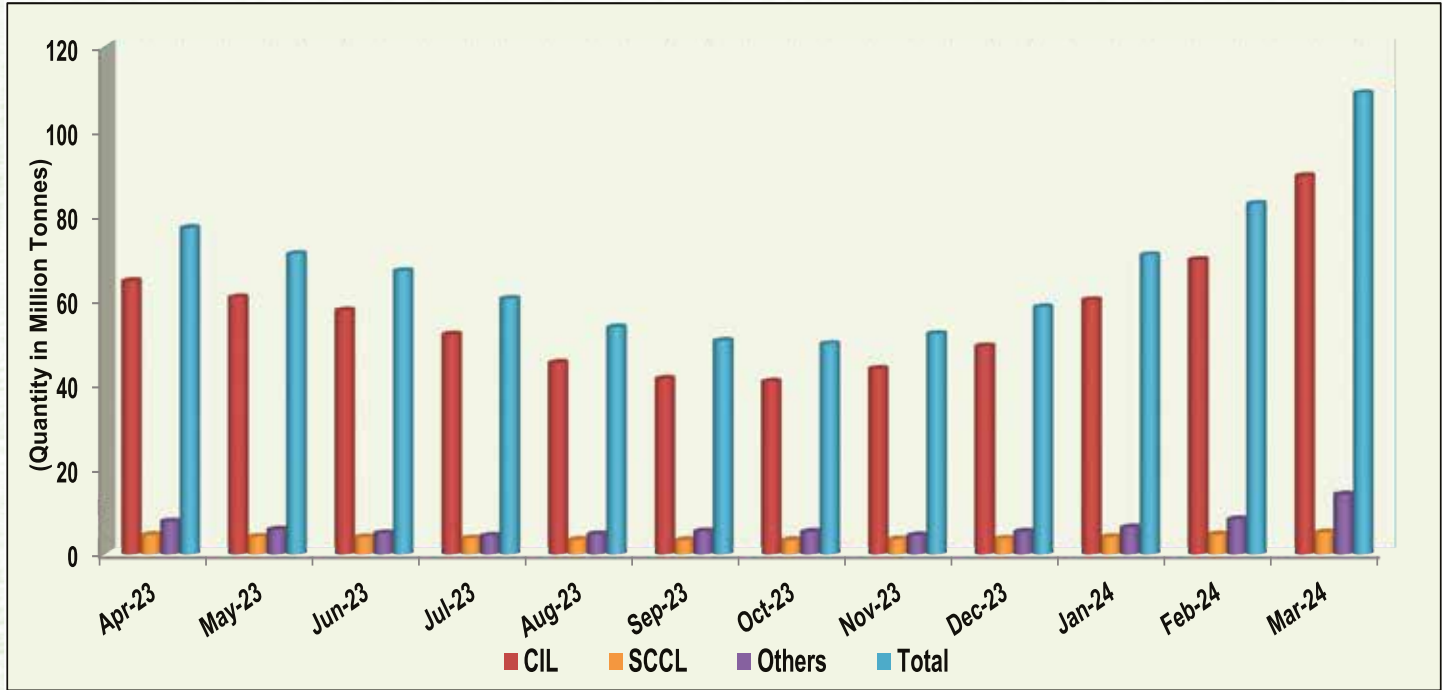
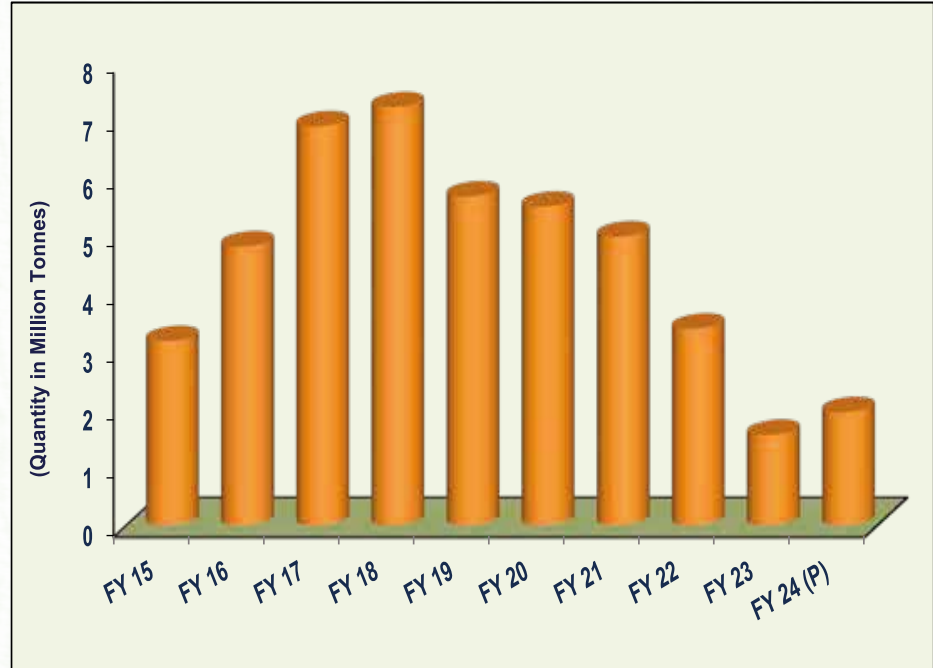


Table 28: Pit-head Closing Stock of Lignite from 2014-15 to 2023-24

(Quantity in MT)

Year	Pit-head Closing Stock
FY 15	3.18
FY 16	4.81
FY 17	6.88
FY 18	7.21
FY 19	5.67
FY 20	5.50
FY 21	4.98
FY 22	3.39
FY 23	1.56
FY 24 (P)	1.95
CAGR	-5.28%



Export - Import



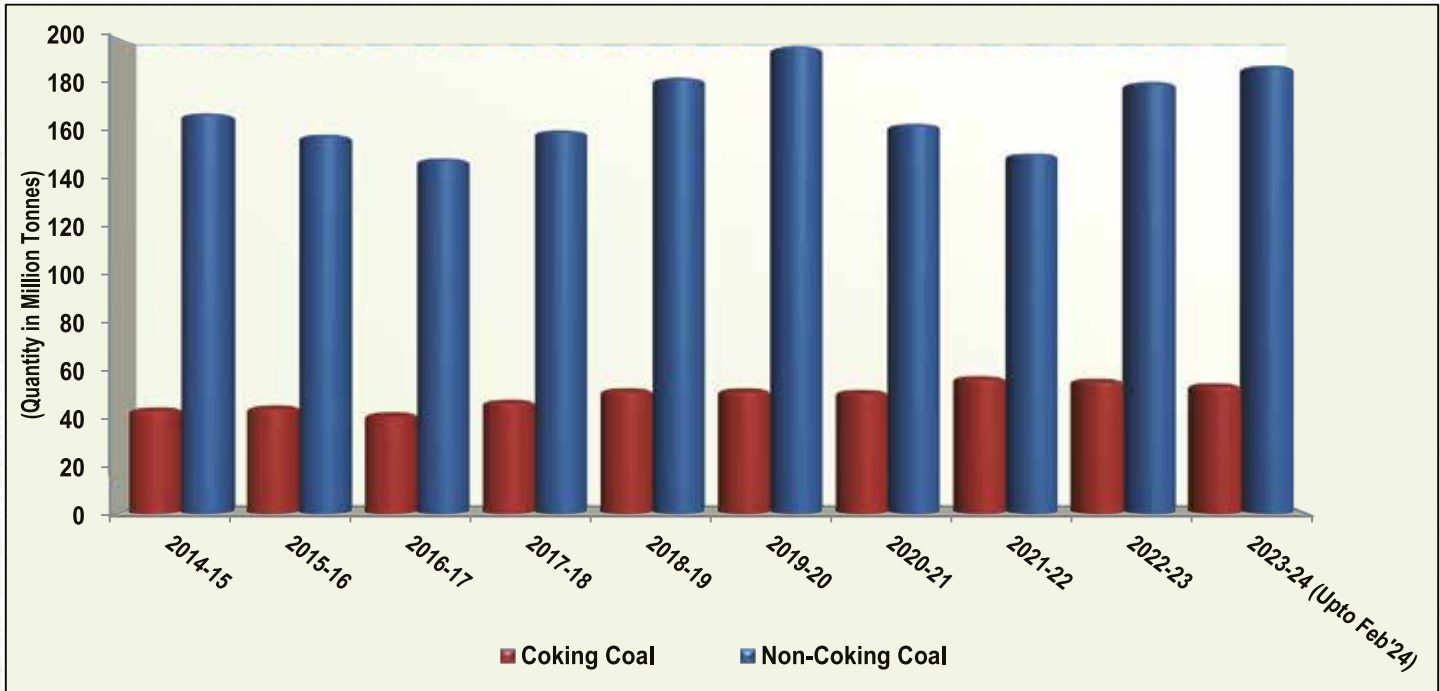
Table 29: Year Wise Import of Coal to India from 2014-15 to 2023-24

(Quantity in MT & Value in Million Rs.)

Mode	Coking Coal		Non-Coking Coal		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
2014-15	43.72	337655.59	168.39	707585.71	212.10	1045241.30
2015-16	44.56	282519.09	159.39	577818.53	203.95	860337.62
2016-17	41.64	412300.61	149.37	590772.69	191.01	1003073.30
2017-18	47.00	595226.36	161.25	789543.41	208.25	1384769.77
2018-19	51.84	720497.64	183.51	988707.26	235.35	1709204.90
2019-20	51.83	612668.32	196.70	914652.23	248.54	1527320.55
2020-21	51.20	453552.10	164.05	706688.44	215.25	1160240.54
2021-22	57.12	1027908.35	151.50	1259932.89	208.63	2287841.24
2022-23	56.05	1538399.74	181.62	2297444.02	237.67	3835843.76
2023-24 (Upto Feb'24)	53.98	1210495.24	188.59	1633495.48	242.57	2843990.72
CAGR	3.37%	16.36%	2.25%	10.81%	2.49%	12.85%

Source: DGC&S, Kolkata

Chart 11: Year Wise Import of Coal to India from 2014-15 to 2023-24



Source: DGCI&S, Kolkata

Table 30: Month Wise Import of Coal to India during 2023-24

(Quantity in MT)

Month	Coking Coal	Non-Coking Coal	Total
Apr-23	4.64	15.37	20.01
May-23	5.39	22.52	27.90
Jun-23	5.89	17.06	22.95
Jul-23	5.39	13.43	18.81
Aug-23	4.70	14.43	19.13
Sep-23	3.81	15.16	18.97
Oct-23	4.84	21.55	26.39
Nov-23	4.98	18.47	23.45
Dec-23	4.75	17.82	22.56
Jan-24	4.59	16.40	21.00
Feb-24	5.00	16.38	21.38
Total (Upto Feb'24)	53.98	188.59	242.57
Growth	4.11%	13.37%	11.17%

Source: DGCI&S, Kolkata

Note: Growth has been calculated from the same period of the previous year.

Table 31: Coal Import by Power & NRS

(Quantity in MT)

Year	Coking Coal	Power		Total Power	NRS	Non-coking	Total Import
		Imported Coal Based Plant	Imported Coal for Blending				
1	2	3	4	5=3+4	6	7=5+6	8=2+7
FY 17	41.64	46.30	19.87	66.17	83.14	149.31	190.95
FY 18	47.00	39.37	17.04	56.41	104.86	161.27	208.27
FY 19	51.84	40.29	21.37	61.66	121.74	183.40	235.24
FY 20	51.83	45.47	23.75	69.22	127.49	196.71	248.54
FY 21	51.29	35.08	10.39	45.47	118.21	163.68	214.97
FY 22	57.20	18.89	8.10	26.99	124.78	151.77	208.97
FY23	56.05	20.53	35.10	55.63	126.18	181.81	237.86
FY 24 (up to Feb)	53.98	37.23	21.76	58.99	129.60	188.59	242.57
FY 23 (up to Feb)	51.85	18.47	32.37	50.84	115.51	166.35	218.20
Growth(%) FY 23 (upto Feb) to FY24 (upto Feb)	4.11	101.57	-32.78	16.03	12.19	13.37	11.17

Source: DGCIS and CEA website

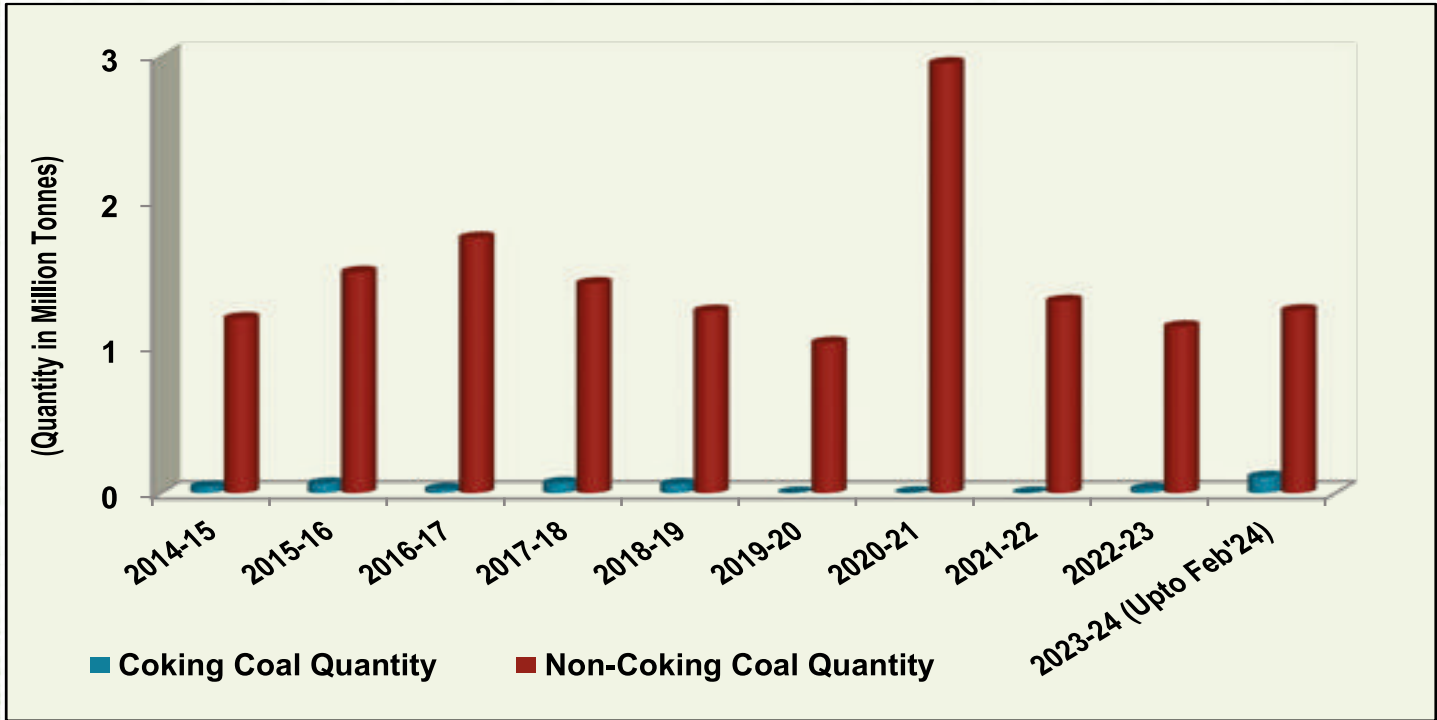
Table 32: Year Wise Export of Coal from India from 2014-15 to 2023-24

(Quantity in MT & Value in Million Rs.)

Mode	Coking Coal		Non-Coking Coal		Total	
	Quantity	Value	Quantity	Value	Quantity	Value
2014-15	0.042	413.03	1.196	6784.24	1.238	7197.27
2015-16	0.064	650.37	1.511	8348.06	1.575	8998.43
2016-17	0.027	114.53	1.746	9554.72	1.773	9669.25
2017-18	0.068	394.41	1.436	8388.62	1.504	8783.03
2018-19	0.060	911.89	1.247	8587.98	1.306	9499.87
2019-20	0.002	13.43	1.028	5818.65	1.030	5832.07
2020-21	0.003	23.09	2.942	5712.93	2.945	5736.03
2021-22	0.001	7.37	1.315	11224.64	1.316	11232.01
2022-23	0.027	770.19	1.139	14231.26	1.166	15001.45
2023-24 (Upto Feb'24)	0.110	2628.01	1.250	12182.90	1.360	14810.91

Source: DGCI&S, Kolkata

Chart 12: Year Wise Export of Coking & Non-Coking Coal during Last Ten Years



Source: DGCI&S, Kolkata

Royalty, DMF and NMET



Chart 13: CIL and Non-CIL's DMF, Royalty and NMET during last three years

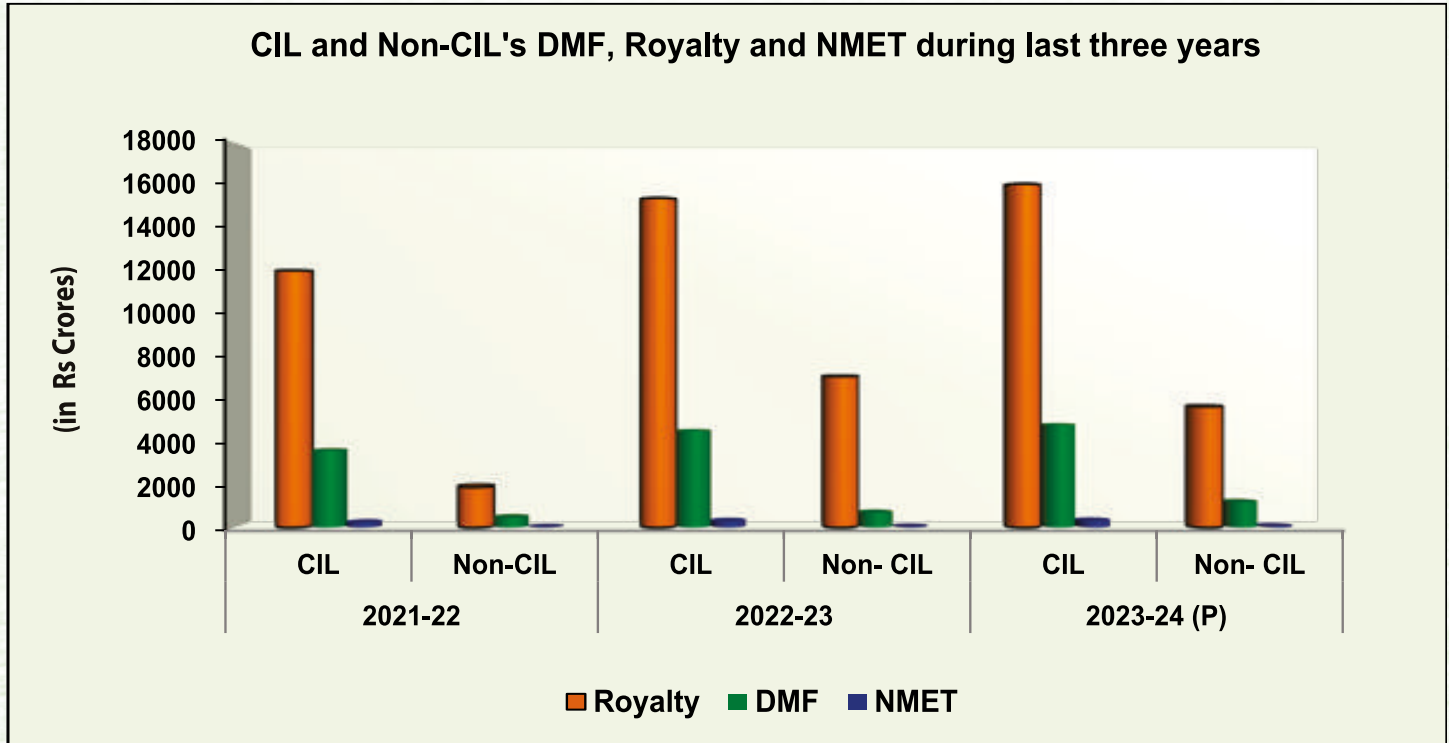


Table 33: CIL and Non-CIL's DMF, Royalty and NMET during last three years

(Figures in Crores)

Year	Name of the Companies	Royalty	DMF	NMET
2021-22	CIL	12029.58	3619.57	244.20
	Non-CIL	1893.73	478.67	28.45
2022-23	CIL	15401.71	4535.42	305.68
	Non- CIL	7068.80	703.25	43.36
2023-24 (P)	CIL	16066.69	4817.55	326.51
	Non- CIL	5667.99	1207.31	71.24

Table 33A: State-wise Royalty Paid by Coal Companies in India over last five years

(Figures in Crores)

Name of State	Name of the Company	2019-20	2020-21	2021-22	2022-23	2023-24 (P)
Chhattisgarh	CIL	2155.39	1435.07	2259.74	2921.37	2843.84
	Non-CIL	207.39	31.60	250.01	421.35	452.17
Sub Total Chhattisgarh		2362.78	1466.67	2509.75	3342.72	3296.01
Jharkhand	CIL	2753.96	1818.57	3028.26	3811.68	4316.52
	Non-CIL	457.07	283.44	588.68	915.87	1086.08
Sub-Total Jharkhand		3211.03	2102.01	3616.95	4727.55	5402.60
Odisha	CIL	2117.78	1120.13	2390.46	3607.86	3173.53
	Non-CIL	21.67	45.35	313.85	530.02	715.85
Sub-Total Odisha		2139.45	1165.48	2704.31	4137.88	3889.38
Madhya Pradesh	CIL	1924.07	1297.29	1662.89	1847.39	2850.91
	Non-CIL	142.10	133.38	40.86	43.32	447.57
Sub-Total Madhya Pradesh		2066.17	1430.67	1703.76	1890.72	3298.48
Maharashtra	CIL	1187.16	772.60	2197.33	2587.86	2242.93
	Non-CIL	11.64	3.04	347.62	310.72	60.34
Sub Total Maharashtra		1198.80	775.64	2544.95	2898.58	2303.27
Telangana	CIL	0.00	0.00	0.00	0.00	0.00
	Non-CIL	1537.36	519.68	351.50	4845.66	2904.23
Sub Total Telangana		1537.36	519.68	351.50	4845.66	2904.23
West Bengal	CIL	17.95	8.73	15.66	16.30	16.79
	Non-CIL	1.01	0.75	1.21	1.86	1.73
Sub Total West Bengal		18.96	9.48	16.87	18.16	18.52
Assam	CIL	31.34	5.89	0.00	25.39	16.07
	Non-CIL	0.00	0.00	0.00	0.00	0.00
Sub Total Assam		31.34	5.89	0.00	25.39	16.07
UP	CIL	406.39	287.26	475.24	583.87	606.12
	Non-CIL	0.00	0.00	0.00	0.00	0.00
Sub Total UP		406.39	287.26	475.24	583.87	606.12
J & K	CIL	0.00	0.00	0.00	0.00	0.00
	Non-CIL	0.00	0.00	0.00	0.00	0.00
Sub Total J & K		0.00	0.00	0.00	0.00	0.00
Grand Total		12972.28	7762.78	13923.31	22470.52	21734.68

National Coal Index



Table 34: National Coal Index (Base 2017-18) for 2023-24

Price Channel	Apr'23	May'23	June'23	July'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24
Indian coal	169.06	157.69	147.25	140.77	140.08	143.91	151.39	155.09	155.44	154.53	148.91	150.13
Non-coking	158.25	147.49	143.07	138.25	137.70	140.64	147.47	143.52	144.04	143.22	136.35	137.45
Coking	200.21	187.06	159.30	148.04	146.95	153.31	162.68	188.39	188.28	187.10	185.07	186.65
Non-coking, top grade (G1-G6 or imported)	166.89	155.46	153.57	146.18	144.79	149.17	161.80	159.21	157.37	150.78	139.91	141.69
Non-coking, middle grade (G7-G14 or imported)	155.49	144.97	139.73	135.72	135.44	137.70	142.54	138.37	139.72	140.82	135.15	136.07
Non-coking, bottom grade (G15-G17)	148.53	135.36	130.27	129.70	129.70	157.65	174.82	144.14	137.79	133.63	139.97	136.30
Coking, top grade (STI-STII or imported)	219.08	201.33	167.92	155.60	152.85	159.53	170.70	203.64	205.03	202.44	200.34	203.10
Coking, bottom grade (WI-WIV)	125.03	130.22	124.98	117.89	123.44	128.52	130.75	127.61	121.56	125.98	124.23	121.11

Note: NCI is provisional as the Import Data is Provisional

Table 35: Representative Prices of Different Grades of Coal on the basis of National Coal Index

(in INR per Tonne)

Grade	Notified Price of CIL	Apr'23	May'23	June'23	July'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23	Jan'24	Feb'24	Mar'24
G1	NA	12447	10753	7985	7615	7420	11236	11248	10862	10795	10569	8022	8463
G2	3560	7015	6682	6613	6259	6072	6287	6960	6849	6740	6524	5984	6075
G3	3410	6683	6324	6330	5987	5887	5976	6588	6495	6426	6202	5754	5780
G4	3250	7012	6376	6229	5957	5863	6026	6586	6512	6393	6141	5657	5709
G5	2970	6477	6024	6031	5667	5617	5814	6420	6217	6139	5936	5671	5607
G6	2730	5975	5650	5354	5151	5121	5444	5787	5586	5497	5292	4832	4936
G7	2510	3640	3439	3443	3316	3331	3413	3397	3415	3410	3445	3378	3419
G8	1908	3406	3275	3224	3153	3120	3237	3259	3262	3239	3226	3111	3210
G9	1488	2982	2958	2798	2824	2731	2791	2851	2810	2834	2854	2711	2767
G10	1344	2934	2729	2568	2620	2584	2625	2779	2776	2606	2658	2495	2576
G11	1155	2170	2058	1973	1897	1882	1932	1980	1954	1968	1975	1915	1930
G12	1073	2241	1991	1914	1839	1702	1851	1988	1828	1755	1794	1733	1698
G13	990	1982	1867	1770	1753	1669	1745	1795	1766	1773	1775	1724	1753
G14	907	1656	1500	1413	1391	1351	1405	1468	1400	1407	1421	1384	1386
G15	718	1216	1125	1088	1084	1084	1286	1410	1193	1147	1117	1162	1136
G16	614	4591	4591	4591	4591	4591	4591	4591	4591	4591	4591	4591	4591
G17	546	687	709	709	709	709	709	709	732	732	732	732	732
ST-I	6153	29046	26671	22251	20603	20234	21074	22569	26978	27163	26816	26536	26905
ST-II	5917	26372	24215	20203	18706	18371	19134	20491	24494	24662	24347	24093	24428
W-I	5280	6312	6312	6312	6312	6312	5736	5737	5737	5737	5737	5737	5737
W-II	4416	5192	5285	4869	5400	4999	5050	5055	4907	4796	4789	4831	4747
W-III	3519	4771	4662	4433	3673	4061	4671	4819	4488	3912	4481	4079	4123
W-IV	3326	3212	3283	3204	3065	3245	3243	3348	3224	3246	3222	3260	3086

Note: Representative Prices is provisional as the Import Data is Provisional.

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