

Industry & Mining

Occupying an important position on the country's map, Orissa's rich mineral reserves constitute 28% Iron ore, 24% coal, 59% Bauxite and 98% Chromite of India's total deposits. The state's comparative advantage on this account has attracted the attention of many mining and metallurgical companies. In Orissa, industrialization started shortly after independence. The oldest industries in the state were coalmines at Talcher and Ib valley and paper mills at Choudwar and Brajrajnagar. After nationalization of coal in 1975 and the national policy on energy sector many power plants were set up. As a result, the Talcher-Angul area has become the power house of the state. Major industries in Orissa at the moment include an integrated steel plant at Rourkela, NALCO (National Aluminium Company Ltd.), Thermal power plants, Fertilizer plants, Pulp and paper industries, Ferro alloys plants, cement plants etc. The industrial growth in the state has mostly taken place in the areas where raw materials, water and power are available. The state can be divided into twelve industrially active zones / areas namely:

1. Rajgangpur Area (Iron & Steel, Sponge Iron, Cement, Secondary steel. Melting and rolling mill & refractories and chemicals).
2. Ib valley area (Thermal power, Sponge iron, refractories, and coal mines)
3. Hirakud area (Aluminum & rolling mills)
4. Talcher-Angul area (Thermal power, Aluminum, Coal washeries, Ferro alloys, Coal mines).
5. Choudwar area (Ferro alloys, Thermal power, pulp and paper, coke oven)
6. Balasore area (pulp and paper, ferro alloys, rubber industries)
7. Chandikhol (stone crusher, coke oven)
8. Duburi (Integrated steel, ferro alloys, rubber industries)
9. Paradeep area (fertilizer, sea food processing, petroleum coke)
10. Khurda - Tapang area (stone crusher)
11. Joda - Barbil area (iron, sponge iron, ferro alloys, iron ore crusher, mineral processing).
12. Rayagada area (pulp and paper, ferro alloys).

Total 2461 industries in large, medium and small scale are operating in the state. 47 nos. of industries are under 17 categories of polluting industries are operating in the state. As per the State of Environment Report published by Orissa State Pollution Control Board; the red, orange and green industries in the state are 1779, 561 and 414 nos. respectively.

By the end of 2006-07, there were about 92417 nos. of SSI units setup in the state. Maximum number of industries have been set up in Sundergarh district (457 nos.) followed by Khurda (356 nos.) and Ganjam districts (352 nos.).

Besides the reserves of major minerals like chromite, nickel, bauxite, iron-ore and coal; other minerals like china clay, fire clay, limestone, quartz,

precious and semi precious stones, copper, manganese, graphic, vanadium etc. are also available in the state.

Iron ore is abundantly available in the districts of Mayurbhanj, Sundargarh, Keonjhar and Jajpur. While chromite is mostly available in Jajpur, Dhenkanal and Keonjhar districts, manganese deposits are available in Sundargarh and Keonjhar districts. Dolomite is available plentifully only in the district of Sundargarh. There are two major coal bearing areas in the state which are currently being exploited namely Talcher and the Ib valley. As per the latest estimation the total reserve of coal in the state is 61999 million tonne followed by iron ore (5371 million tonne), bauxite (1743 million tonne) and limestone (1015 million tonne) in Orissa.

The total number of mining leases in the state are 602 covering an area of 97020 hectares out of which working leases are 370 nos. The Orissa Mining Corporation is having 35 leases covering 19041 hectares leased area out of which 15 leases are in operation.

The mineral production in 2006-07 increased by 15.58% over 2005-06. Total 1614.45 lakh MT minerals has been produced during this period. Metallic mineral production increased by 16.96% and non-metallic also increased by 15.22%. Iron Ore is abundantly available in the districts of Mayurbhanj, Sundargarh, Keonjhar and Jajpur. Chromite is mostly available in Jajpur, Dhenkanal and Keonjhar districts. Talcher and Ib valley are two major coal bearing areas in the state having total reserve of 61999 million tonne out of which 812.81 lakh tonne was exploited during 2006-07.

INDUSTRIAL PROFILE OF THE STATE

Year	Total No. of Industries		
	Large Scale	Medium Scale	Small Scale
1990	254	254	38116
1991	266	266	40349
1992	277	277	42466
1993	287	287	44777
1994	296	296	47104
1995	299	299	49611
1996	305	305	52709
1997	319	319	55895
1998	335	335	59079
1999	339	339	62530
2000	342	342	66206
2001	352	352	70125
2002	358	358	70133
2003	361	361	78564
2004	362	362	83075
2006	167	471	2116

Source- Economic Survey

DISTRICT WISE INDUSTRIAL PROFILE OF THE STATE (Year-2001)

District	Large	Small	Medium
Bargarh	7	116	7
Jharsuguda	10	52	10
Debagarh	1	11	1
Sundargarh	55	425	55
Baleshwar	28	206	28
Bhadrak	1	114	1
Cuttack	15	128	15
Jajapur	9	288	9
Dhenkanal	8	91	8
Anugul	8	114	8
Ganjam	3	321	3
Kandhamal	0	62	0
Baudh	0	32	0
Balangir	5	105	5
Rayagada	4	114	4
Nabarangapur	2	61	2
Koraput	4	117	4
Sambalpur	4	92	4
Kendujhar	22	125	22
Mayurbhanj	4	209	4
Kendrapara	0	77	0
Jagatsinghapur	6	94	6
Nayagarh	1	67	1
Khordha	34	246	34
Puri	0	144	0
Gajapati	0	75	0
Sonapur	0	59	0
Nuapada	1	20	1
Kalahandi	2	81	2

Malkangiri	0	30	0
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Source - Directorate of industries, Cuttack

INDUSTRIAL PROFILE OF THE DISTRICTS (Year-2002)

District	Large	Small	Medium
Jharsuguda	10	112	10
Kendujhar	22	270	22
Baleshwar	28	431	28
Bhadrak	1	245	1
Cuttack	15	418	15
Jajapur	9	458	9
Dhenkanal	8	196	8
Anugul	8	239	8
Nayagarh	1	151	1
Khordha	34	521	34
Puri	0	324	0
Gajapati	0	125	0
Kandhamal	0	132	0
Nuapada	1	40	1
Kalahandi	2	171	2
Nabarangapur	2	121	2
Koraput	4	238	4
Malkangiri	0	61	0
Bargarh	7	242	7
Sambalpur	4	205	4
Debagarh	1	28	1
Sundargarh	55	755	55
Mayurbhanj	4	436	4
Kendrapara	0	164	0
Jagatsinghapur	6	195	6
Ganjam	3	649	3
Baudh	0	67	0
Sonapur	0	122	0

Balangir	5	225	5
Rayagada	4	254	4

Source- Directorate of Industries, Cuttack

INDUSTRIAL PROFILE OF THE DISTRICTS (Year-2003)

District	Large	Small	Medium
Bargarh	7	368	7
Jharsuguda	10	172	10
Sambalpur	4	315	4
Kendujhar	22	270	22
Baleshwar	28	656	28
Jagatsinghapur	6	298	6
Cuttack	15	700	15
Jajapur	9	630	9
Khordha	34	793	34
Ganjam	3	980	3
Debagarh	1	45	1
Sundargarh	55	1180	55
Mayurbhanj	4	663	4
Bhadrak	1	372	1
Kendrapara	0	250	0
Dhenkanal	8	301	8
Anugul	8	367	8
Nayagarh	1	228	1
Puri	0	497	0
Kandhamal	0	206	0
Baudh	0	102	0
Kalahandi	2	260	2
Rayagada	4	377	4
Nabarangapur	2	181	2
Koraput	4	354	4
Malkangiri	0	78	0
Gajapati	0	205	0
Sonapur	0	170	0

Balangir	5	382	5
Nuapada	1	60	1

INDUSTRIAL PROFILE OF THE DISTRICTS (Year-2004)

District	Large	Medium	Red Category	Orange Category	Green Category
Bargarh	21	21	16	2	3
Anugul	7	7	4	3	1
Baleshwar	49	49	25	12	12
Baudh	1	1	1	0	0
Dhenkanal	15	15	14	1	0
Ganjam	19	19	9	7	3
Jharsuguda	7	7	5	2	0
Kalahandi	6	6	4	1	1
Koraput	8	8	6	1	1
Nabarangapur	3	3	1	2	0
Rayagada	11	11	7	3	1
Sambalpur	18	18	12	6	0
Bhadrak	1	1	1	0	0
Balangir	8	8	6	2	0
Jagatsinghapur	7	7	4	3	0
Jajapur	7	7	5	0	2
Kendujhar	29	29	26	3	0
Khordha	61	61	20	34	7
Mayurbhanj	15	15	6	6	3
Puri	4	4	2	2	0
Sundargarh	55	55	49	3	3

Source - SPCB, Orissa

INDUSTRIAL PROFILE OF THE DISTRICTS (Year-2005)

District	Large	Small	Medium
Anugul	7	845	7
Khordha	32	3423	32
Cuttack	13	6391	13
Debagarh	1	115	1
Kalahandi	2	970	2
Kendujhar	24	1414	24
Koraput	4	1299	4
Mayurbhanj	4	1838	4
Nabarangapur	1	481	1
Rayagada	4	903	4
Sundargarh	59	3731	59
Sambalpur	7	1181	7
Bhadrak	1	998	1
Baleshwar	28	1996	28
Bargarh	4	1005	4
Jajapur	6	1524	6
Jharsuguda	10	582	10
Nayagarh	1	480	1
Balangir	5	1028	5
Dhenkanal	8	1017	8
Ganjam	3	2975	3
Jagatsinghapur	6	894	6

Source- Directorate of Industries, Cuttack

MINING AND QUARRYING of the STATE (All data in Million Tonnes)				
Year	Iron	Manganese	Bauxite	Coal
1990	8	1	5	15
1991	8	1	5	21
1992	8	0	5	23
1993	8	1	5	24
1994	9	1	5	28
1995	9	1	2	33
1996	11	2	3	37
1997	12	0	3	42
1998	3	0	3	43
1999	12	1	3	44
2000	14	1	3	45
2001	17	1	4	48
2002	22	1	5	52
2003	34	1	5	60
2004	46	1	5	67
2005	56	1	5	71
2006	66	1	5	81

Source – Directorate of Economics & Statistics

District Wise MINING AND QUARRYING
(All data in Million Tonnes)

District	Year-1990		Year-1991			Year-1992		
	Iron	Coal	Iron	Bauxite	Coal	Iron	Bauxite	Coal
Dhenkanal	0	10	0	0	14	0	0	15
Kendujhar	6	0	6	0	0	6	0	0
Koraput	0	0	0	2	0	0	2	0
Sambalpur	0	6	0	0	7	0	0	8

Sundargarh	0	0	3	0	0	3	0	0
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District	Year-1993				Year-1994			Year-1995	
	Iron	Manganese	Bauxite	Coal	Iron	Bauxite	Coal	Iron	Coal
Anugul	0	0	0	16	0	0	18	0	21
Jharsuguda	0	0	0	9	0	0	10	0	11
Kendujhar	5	1	0	0	4	0	0	6	0
Koraput	0	0	2	0	0	2	0		
Mayurbhanj	0	0	0	0	0	0	0	0	0
Rayagada	0	0	0	0	0	0	0	0	0
Sundargarh	3	0	0	0	2	0	0	3	0

District	Year-1996			Year-1997		Year-1998		Year-1999		
	Iron	Manganese	Coal	Iron	Coal	Iron	Coal	Iron	Bauxite	Coal
Anugul	0	0	28	0	27	0	29	0	0	29
Jharsuguda	0	0	13	0	15	0	14	0	0	14
Kendujhar	8	1	0	9	0	8	0	8	0	0
Sundargarh	3	0	0	3	1	3	1	3	0	1
Koraput	0	0	0	0	0	0	0	0	3	0

District	Year-2000			Year-2001			Year-2002		
	Iron	Bauxite	Coal	Iron	Bauxite	Coal	Iron	Bauxite	Coal
Anugul	0	0	30	0	0	31	0	0	33
Jharsuguda	0	0	13	0	0	13	0	0	14
Kendujhar	8	0	0	10	0	0	12	0	0
Sundargarh	3	0	1	4	0	1	4	0	1
Koraput	0	3	0	0	3	0	0	4	0

Jajpur	0	0	0	0	0	0	1	0	0
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District	Year-2003			Year-2004			
	Iron	Bauxite	Coal	Iron	Manganese	Bauxite	Coal
Jharsuguda	0	0	15	0	0	0	17
Sundargarh	4	0	0	5	0	0	1
Koraput	0	5	0	0	0	5	0
Jajapur	1	0	0	1	0	0	0
Kendujhar	18	0	0	29	1	0	0
Anugul	0	0	37	0	0	0	42

District	Year-2005			Year-2006			
	Iron	Bauxite	Coal	Iron	Manganese	Bauxite	Coal
Jajapur	1	0	0	2	0	0	0
Kendujhar	43	0	0	47	1	0	0
Anugul	0	0	45	0	0	0	51
Sundargarh	0	0	2	16	0	0	4
Sambalpur	0	0	1	0	0	0	1
Jharsuguda	0	0	22	0	0	0	25
Koraput	0	5	0	0	0	5	0