

STATE REVIEWS



Indian Minerals Yearbook 2021

(Part-I)

60th Edition

STATE REVIEWS
(Summary)

(ADVANCE RELEASE)

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

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Summary

The mineral production (excluding atomic minerals and minor minerals) in India decreased by 7.8% (as per index of mineral production base year 2011-12) during 2020-21 as compared to the previous year. The complete decrease in production may be attributed to country wide lock-down during the first quarter of the financial year.

Mineral production (Fuel, Metellic, Non-metellic and Minor minerals) was reported from 30 States Union Territories and offshore regions during the year 2020-21. From the State the value of MCDR mineral production was reported at ₹ 1,57,571 crore. The major part of

the value of MCDR mineral production was confined to six States, namely, Odisha, Rajasthan, Telangana, Chhattisgarh, Andhra Pradesh and Karnataka (Table-1).

The total number of reporting mines (excluding fuel, atomic and minor minerals) at all India level were 1,323 in 2020-21. Out of these, 249 were from Madhya Pradesh, 149 from Odisha, 143 from Gujarat, 141 from Karnataka, 104 from Andhra Pradesh, 100 from Chhattisgarh, 92 from Tamil Nadu and 82 from Rajasthan. Remaining mines were reported from other States (Table-2).

Mineral wise reserves/ resources in the country as on 01.04.2020 are furnished in Table-3.

**Table – 1 : Value* of Mineral Production, 2018-19 to 2020-21
(By States & Union Territories)**

State/Union Territory	2018-19	2019-20	2020-21 (P)
India	1491139500	1658778489	1575707702
Andaman & Nicobar Islands	234221	184682	221700
Andhra Pradesh	119550100	166218264	131228966
Arunachal Pradesh	464903	455845	397944
Assam	845538	814755	782482
Bihar	42858862	42983377	42912978
Chhattisgarh	117345916	118108145	154776623
Goa	545679	398896	441540
Gujarat	74901900	76880978	54368018
Haryana	1718901	1718901	1718901
Himachal Pradesh	3224807	3453620	3325467
Jammu & Kashmir	3845383	3710260	1960163
Jharkhand	31593780	32278813	27922626
Karnataka	100319538	100582716	118382249
Kerala	38807569	38835180	38792470
Madhya Pradesh	82555134	147021686	62890259
Maharashtra	59045818	82465290	74737545
Manipur	2866	2866	2866
Meghalaya	3022550	3060355	2748747
Mizoram	16793	16793	16793
Nagaland	1774	1774	1774
Odisha	306536247	343507062	283343864
Punjab	90153	28701	28701
Rajasthan	229732298	257025185	311919094
Sikkim	18787	18787	18787
Tamil Nadu	9821068	9771097	8175780
Telangana	1842645230	149069086	177166582
Tripura	47953	50577	46688
Uttar Pradesh	56988986	57073325	56865787
Uttarakhand	2023524	1649607	2201339
West Bengal	20714222	21391866	18310969

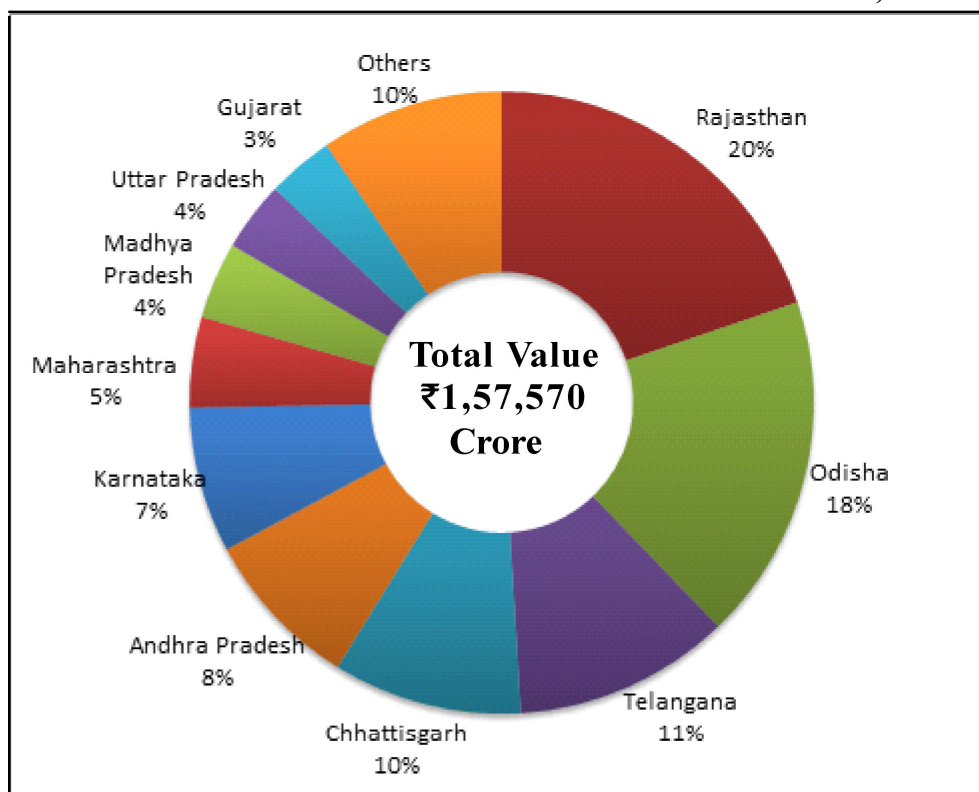
* Excluding the minerals declared as prescribed substances under the Atomic Energy Act, 1962 and Fuel minerals & contribution from Ladhak U.T. for 2019-20 & 2020-21 .

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**Table – 2 : Number of Reporting Mines*, 2018-19 to 2020-21
(By States)**

State	2018-19	2019-20	2020-21 (P)
India	1428	1370	1323
Andhra Pradesh	133	122	104
Assam	3	3	3
Bihar	1	1	1
Chhattisgarh	105	102	100
Goa	48	48	39
Gujarat	200	184	143
Himachal Pradesh	25	26	24
Jammu & Kashmir	22	17	19
Jharkhand	62	54	46
Karnataka	141	148	141
Kerala	8	2	1
Madhya Pradesh	223	223	249
Maharashtra	72	73	71
Meghalaya	21	19	19
Odisha	134	130	149
Rajasthan	84	85	82
Tamil Nadu	104	92	92
Telangana	36	36	36
Uttar Pradesh	2	2	2
Uttarakhand	3	3	2
West Bengal	1	-	-

* Excluding atomic minerals, fuel minerals and minor minerals.

Share of States in the Value of Mineral Production, 2020-21

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Table – 3: Reserves/Resources of Minerals as on 1.4.2020: India

Mineral	Unit	Reserves				Remaining Resources						Total Resources (A+B)		
		Proved STD 111	Probable		Total (A)	Feasibility STD211	Pre-feasibility		Measured STD331	Indicated STD332	Inferred STD333		Reconnaissance STD334	Total (B)
			STD121	STD122			STD221	STD222						
Andalusite	000 tonnes	0	0	0	0	0	0	0	58040	56210	11800	126050	126050	
Antimony														
Ore	tonne	0	0	7503	7503	0	592	0	0	10588	0	11180	18683	
Metal	tonne	0	0	75	75	0	5.92	0	0	174	0	179.92	254.92	
Apatite	tonne	27715	0	1680	29395	499149	0	2281521	11481250	5801338	1017646	21080904	21110299	
Asbestos	tonne	0	0	0	2488022	3113446	4062376.4	100687	2527959	10557777	57800	22908067	22908067	
Bauxite	000 tonnes	560865	15553	70076	646493	268398	128409	316835	843058	2044653	184116	4311754	4958248	
Borax	tonne	0	0	0	0	0	0	0	0	0	74204	74204	74204	
Chromite	000 tonnes	40635	15229	22672	78535	52696	10545	1630	53008	70440	20435	253150	331685	
Cobalt (Ore)	million tonnes	0	0	0	0	0	0	30.63	2	0.28	12	44.91	44.91	
Copper														
Ore	000 tonnes	128267	20045	15580	163891	83102	111376	41368	340902	778987	5360	1496979	1660870	
Metal	000 tonnes	1664.12	313.64	183.81	2161.57	873.59	428.09	246.48	2748.95	4051.37	31.69	10035.52	12197.09	
Diamond	carat	847400	0	159	847559	0	0	304601	1524317	29047514	0	30876432	31723991	
Diatomite	000 tonnes	0	0	0	0	634	0	0	0	2251	0	2885	2885	
Emerald	kilogram	0	0	0	0	0	0	0	0	0	55869	55869	55869	
Fluorite	tonne	228393	163860	11988	404241	9340556	771934	768573	6239589	1578067	161575	20588239	20992480	
Garnet	tonne	8539520.7	50946	5	8590472	1835546	1624128	4622014	138905	10226601	28066885	902574	56007126	
Gold														
Ore	tonnes	20271400	3420000	36700	23728100	4498133	3821500	1741321.2	9658248	109446798	238863938	126476333	494506270	
(Primary)	tonnes													
Metal	tonnes	79.26	13.44	0.06	92.76	16.93	9.11	5.64	22.05	159.41	236.26	65.1	514.5	
(Primary)	tonnes													
Ore	tonnes	0	0	0	0	0	0	0	2552000	23569000	0	26121000	26121000	
(Placer)	tonnes													
Metal	tonnes	0	0	0	0	0	0	0	2.29	3.57	0	5.86	5.86	
(Placer)	tonnes													
Graphite	tonne	4386467	0	4176944	8563411	7964326	3461288	6166401	10679490	318270801	4216512820	3060176	211623587	
Iron Ore														
(Haematite)	000 tonnes	4559856.5	508158114	1019.5	6209034	3181005240	790.4	2005363.11	1010483.61	1805532	4827512	2614185	17848870	
Iron Ore														
(Magnetite)	000 tonnes	71930	385	130508	202823	307652	16082	72127	1513168	2036982	6383274	695507	11024791	
Kyanite	tonne	393358	331193	122314	846865	13310619	40452.02	1864398.3	561680	3577402	96560462	0	104835455	

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Table - 3 (contd)

Mineral	Unit	Remaining Resources										Total Resources (A+B)		
		Proved					Probable						Total (A)	
		STD 111	STD121	STD122	Feasibility STD211	Pre-feasibility STD221	Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334	Total (B)			
Lead & Zinc														
Ore	000 tonnes	28791	63331	11153	103275	4627	23663	13784	51613	196911	368094	4530	663222	766497
Lead Metal	000 tonnes	503.70	1188.47	208.02	1900.19	140.42534	83286.02	1117.33	2283.43	6607.77	0	10969.80		12869.99
Zinc Metal	000 tonnes	2356.56	4592.03	489.46	7438.05	448.15	1121.12	599.62	3540.38	5840.74	14080.66	101.65	25732.32	33170.37
Lead+Zinc														
Metal	000 tonnes	0	0	0	0	0	0	0	0	120.76	22.37		143.13	143.13
Limestone	000 tonnes	14701910	1065305	3261256	19028470	7665106	6442697	9261072	7528921	32250068	135833401	9579524	208560789	227589259
Magnesite	000 tonnes	57934	6354	1782	66070	80983	24858	40132	59010	59652	128104	309	393047	459118
Manganese														
Ore	000 tonnes	61510	6081	7450	75041	76106	51162	80580	29600	61205	117986	11944	428583	503624
Marl	tonne	50825000	17210000	110000	68145000	26474477.334	189000	0	0	0	390000	0	31053477	99198477
Molybdenum														
Ore	tonne	0	0	0	0	0	1500000	0	2382000	3269204	19884394	167800	27203398	27203398
Contained MoS ₂	tonne	0	0	0	0	0	1050	0	1599.54	1733.29	12457.39	50.34	16890.56	16890.56
Nickel Ore	million tonnes	0	0	0	0	0	21	21	31	53	63	0	189	189
Perlite	000 tonnes	0	0	0	0	140	683	595	0	0	0	988	2406	2406
Platinum Group														
of Metals														
(PGM) contained	tonnes of metal	0	0	0	0	0	0	0	0	11.66	7.4	1.86	20.92	20.92
Potash	million tonnes	0	0	0	0	0	0	0	0	18151	4125	814	23091	23091
Pyrite	000 tonnes	0	0	0	0	27129	0	32597	9590	77729	1527356	0	1674401	1674401
Rare-Earth														
Elements(REE)	tonne	0	0	0	0	0	0	0	0	430353	26042.49	3332	459727.49	459727.49
Rock Phosphate	tonne	27103158	0	3772935	308760931	3669080	29796846	34526541	2879833	3539750	186657066	9308275	280377392	311253485
Rock Salt	000 tonnes	0	3860	0	3860	3360	940	4620	0	0	0	0	8920	12780
Ruby	kilogram	0	0	0	0	0	429	3296	0	0	1623	0	5349	5349
Sapphire	kilogram	0	0	0	0	0	0	0	0	0	450	0	450	450
Sillimanite	tonne	7968444.8	3655	290200	8262300	503301	23406	20549508	4771654	17630364	16115664	4411195	64005091	72267391

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Table - 3 (concl'd)

Mineral	Unit	Remaining Resources										Total Resources (A+B)		
		Proved STD 111	Probable		Feasibility STD211	Pre-feasibility		Measured STD331	Indicated STD332	Inferred STD333	Reconnaissance STD334		Total (B)	
			STD121	STD122		STD221	STD222							
Silver														
Ore	tonne	61604192	67971000	40870828	170446020	2330000	18445543	53914460	41320000	70926000	211261729	0	398197732	568643752
Metal	tonne	2155.3	4981.73	570.04	7707.07	172.2	824.44	663.67	3881.88	4575.73	12442.92	0	22560.84	30267.91
Sulphur (Native)	000 tonnes	0	0	0	0	0	0	0	0	0	210	0	210	210
Tin														
Ore	tonne	2075	0	25	210122594540	3213	31330134	168457	561080	29063370	0	83720794	83722895	
Metal	tonne	963.19	0	10.8	973.9933384.66	1116.41	54089.46	813.29	231.63	13147.46	0	102782.91	103756.9	
Titanium	tonne	15914697	64860	19068	1599862510928991	91828	0	2610618	49666080	344212444	3598565411108526	427107150		
Tungsten														
Ore	tonne	0	0	0	0	2230000	0	173063	23276152	23259954	23912049	16581246	89432464	
Contained WO ₃	tonne	0	0	0	0	3568	0	450	19298.8	16994.84	99772.15	4566.28	144650.07	
Vanadium														
Ore	tonne	0	0	0	0	276530	1720000	4108100	0	232000	18297225	0	24633855	24633855
Contained V ₂ O ₅	tonne	0	0	0	0	1106.12	2835	6032.4	0	487.2	54133.29	0	64594.01	64594.01
Vermiculite	tonne	1562108	0	28888	1590996	76900	71397	25956	9800	20179	552279	8716	765227	2356223
Wollastonite	tonne	2388641	190739	101598	2680978	4563016	1245009	8559760	0	3325042	4597200	137461	22427488	25108466
Zircon	tonne	669466	0	0	669466	422758	4225	0	140926	39300	1019770	47456	1674435	2343901

Figures rounded off.

Note: The Proved and Indicated balance recoverable reserves of crude oil and natural gas as on 1.4.2020 in India are 603.36 million tonnes and 1,371.89 billion cu. m. respectively.

Declared as minor mineral vide Gazette Notification dated 10.02.2015.

Minor mineral before Gazette Notification dated 10.02.2015.