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खान मंत्रालय  
भारतीय खान ब्यूरो  
Government of India  
Ministry of Mines  
INDIAN BUREAU OF MINES

## खनन पट्टों 2022 की बुलेटिन

(परमाणु खनिजों, कोयला हाइड्रोकार्बन ऊर्जा खनिजों गैस एवं गौण खनिजों से पृथक)

## BULLETIN OF MINING LEASES-2022

(Excluding Atomic Minerals, Hydrocarbon Energy Minerals and Minor Minerals)



*Issued by*  
**Controller General**  
Indian Bureau of Mines

*Prepared by*  
*Mineral Economics Division*

जारी द्वारा  
महानियंत्रक  
भारतीय खान ब्यूरो  
निर्मित द्वारा  
खनिज अर्थशास्त्र प्रभाग

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# **INDIAN BUREAU OF MINES**

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## **PREFACE**

Indian Bureau of Mines (IBM) is mandated to ensure scientific and sustainable mining of major minerals in the country. It also maintains a database on Mineral & Mines Sector. IBM undertakes compilation and perpetuation of Directory of Mining Leases in India which comprises detailed information on Mining Leases granted/executed. The titles namely, Bulletin of Mineral Information and Bulletin of Mining Leases and Composite Licences (PL cum ML) are regularly published based on this Directory.

The Bulletin of Mining Leases 2022 (Excluding Atomic Minerals, Hydrocarbon Energy Minerals and Minor Minerals) is the 25<sup>th</sup> edition under the series. It contains information on Mining Leases (ML), and Composite Licences (PL cum ML) as on 31.3.2022. The information sourced from the Directory of Mining Leases after assortment and analysis is segregated into State-wise, District-wise, Mineral-wise and Sector-wise categories and integrated into the text for easy comprehension. Further, the data on distribution of Mining Leases executed across the country have been demarcated and classified into high, medium and low mineral-potential-bearing districts to facilitate easy assimilation. This type of information will not only satisfy the basic need of various entrepreneurs dealing with mineral industry, but also help the planners to consider 'district' as a unit in the process of planning and development of an area of a districts.

A large portion of this publication is based on the Directory of Mining Leases as on 31.3.2022, which in turn is compiled from the data supplied by State Governments under the statutory Rule 59(2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concessions Rules, 2016. IBM is thankful to all State Government Departments for furnishing information on mining leases, prospecting licences, composite licences (prospecting licence-cum-mining lease). It is my belief that this publication would prove to be useful and handy to stakeholders in the Mines and Mineral Sector looking for information on mineral concession, in compiled form.

It is hoped that the analysis and information presented in this publication will be useful in the process of planning and programming of new ventures in judicious utilization of mineral resources and project of mineral based industries in the country.

New Delhi

Dated

(SANJAY LOHIYA, IAS)  
Additional Secretary &  
Controller General (In-charge)  
Indian Bureau of Mines

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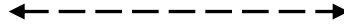
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## Introduction

India is endowed with a wide variety of naturally occurring minerals. The country has a total geographical area of 328.75 million hectares. Of this, the mining lease area, except for fuel, atomic minerals and all minor minerals, constitutes around 0.09% (2,78,008.94 hectares). The position of mining leases as on 31.3.2022(P) reveals that there are as many as 3,095 mining leases (excluding coal, lignite, petroleum, natural gas, atomic minerals and minor minerals) granted in the country by the State Governments covering 34 minerals with a total lease area of about 2,78,008.94 hectares and that which are spread over 22 States/UTs. These 34 minerals are broadly classified into metallic and non-metallic minerals. These are being exploited to cater to the needs of domestic mineral-based industries as well as to meet export demands to earn foreign exchange. This Bulletin highlights statewise, sectorwise and districtwise distribution of mining leases, frequency distribution of mining leases, prospecting licences and reconnaissance permits, etc. Though apparently negligible, the mining lease area of the country is considered as an important land use segment as it contributes to the economic growth of the country. Besides, it calls for environmental protection, as land under leases is subjected to degradation during the process of mining activities.

Under Rule 59 (1) of Minerals (other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016, a copy of every mineral concession granted or renewed under the Act and the rules made thereunder shall be supplied by each State Government within two months of such grant or renewal to the Controller General, Indian Bureau of Mines. Besides, under Rule 59 (2) of the said Rules, 2016, a consolidated annual return of all mineral concessions granted or renewed under the Act and rules made thereunder shall be supplied by each State Government to the Controller General, Indian Bureau of Mines, in such form as may be specified by him (mining leases/prospecting licences/composite license granted or executed in Proforma 'A'; prospecting licences/mining leases renewed in Proforma 'B' and termination of mining leases & reasons for termination in Proforma 'C' for the preceding financial year ending in March), not later than the 30<sup>th</sup> day of June following the year to which the return relates.

The information pertaining to mining leases and prospecting licences as received is then compiled, processed and updated. These stored data can be retrieved and made available for analysis & further requisite studies and for the information seekers.





## Land Use Scenario

India's geographical area is about 328.75 million hectares. The entire geographical area is broadly classified into 7 segments which are as follows:

S. No.	Area/Segment	Total Area* (Million ha)	Percentage of Area
	<b>Total Geographical Area</b>	<b>328.75</b>	<b>100.00</b>
1	Net Area Sown (Crop Area)	139.90	42.56
2	Permanent Pastures & other Grazing Land	10.48	3.19
3	Forest	71.75	21.83
4	Mining Lease Area*	0.28	0.09
5	Fallow Lands	25.01	7.61
6	Land not Available for Cultivation	44.32	13.48
7	Other Area	37.01	10.95

**Source:** Agricultural Statistic At a Glance, 2022, Directorate of Economics & Statistics, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare

\*: ML Directory as on 31.03.2022(P) for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) prepared by IBM based on data received from State Govts./UTs.

The mining lease area constitutes around 2,78,008.94 hectares which is approximately 0.09% of the total geographical area. However, mining lease area, though a minuscule segment in the total land area, continues to be an important segment and an essential contributing factor to the economy of the country. At the same time, there is an imperative need to pay due attention to environment aspects as these land areas under mining leases are subjected to various processes of mining activity and are liable to degradation.



## Mining Leases

### 3.1 STATEWISE ANALYSIS

As per the Lease Directory as on 31.3.2022 (Provisional), there were 3,095 mining leases granted by State Governments for 34 different minerals, covering an area of 2,78,008.94 hectares in the country. States rich in minerals where maximum number of mining leases were granted are Madhya Pradesh (20%) followed by Tamil Nadu (15%), Gujarat (14%), Andhra Pradesh (12%), Karnataka (10%), Chhattisgarh (6%), Rajasthan (5%), Maharashtra & Odisha (4% each) and Jharkhand & Telangana (3% each). These eleven States together account for about 96% of the total leases executed and the remaining eleven States where such leases were executed accounted for about 4 % of the total mining leases.

The maximum area in percentage covered under mining leases in different States are Madhya Pradesh (14%) followed by Rajasthan, Odisha & Karnataka (12% each), Gujarat (10 %), Chhattisgarh & Andhra Pradesh (9% each), Jharkhand (7%), Maharashtra (5%), and Telangana (4%). These ten States account for about 93% of the total mining lease area granted and the remaining 7 percent was accounted for by the rest of the twelve States.

The Statewise mining lease distribution together with lease areas as well as statewise/districtwise distribution of mining leases as on 31.03.2022 (P) are furnished in Tables - 1 to 4.

**Table – 1: Statewise Summary of Mining Lease Distribution**  
*(Other than Atomic, Hydrocarbons Energy & Minor Minerals)*  
**As on 31.03.2022 (P)**  
**(All India)**

<b>State</b>	<b>No. of Leases</b>	<b>Percentage</b>	<b>Area (In ha)</b>	<b>Percentage</b>
Andhra Pradesh	379	12.25	25450.49	9.15
Assam	7	0.23	889.5	0.32
Bihar	1	0.03	53.38	0.02
Chhattisgarh	175	5.65	26210.55	9.43
Goa	9	0.29	442.49	0.16
Gujarat	440	14.22	26836.82	9.65
Himachal Pradesh	40	1.29	2448.58	0.88
Haryana	4	0.13	46.85	0.02
Jammu & Kashmir *	37	1.20	2020.43	0.73
Jharkhand	100	3.23	18068.24	6.50
Karnataka	298	9.63	33047.05	11.89
Kerala	5	0.16	421.65	0.15
Meghalaya	21	0.68	789.34	0.28
Madhya Pradesh	613	19.81	37838.75	13.61
Maharashtra	130	4.20	12872.74	4.63
Odisha	117	3.78	33872.45	12.18
Rajasthan	168	5.43	34528.73	12.42
Tamil Nadu	459	14.83	9158.7	3.29
Telangana	80	2.58	10227.38	3.68
Uttar Pradesh	4	0.13	2579.56	0.93
Uttarakhand	7	0.23	191.79	0.07
West Bengal	1	0.03	13.47	0.00
<b>All India</b>	<b>3095</b>	<b>100.00</b>	<b>278008.94</b>	<b>100.00</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

\*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Re organisation Act, 2019.

**Table-2: Mineral Wise Summary of Mining Lease Distribution**  
*(Other than Atomic, Hydrocarbons Energy & Minor Minerals)*  
**As on 31.03.2022 (P)**

<b>Sl. No.</b>	<b>Mineral</b>	<b>No. of Leases</b>	<b>Lease Area (ha)</b>
1	Amethyst	2	5.83
2	Apatite	1	13.47
3	Bauxite	335	23817.25
4	Borax	1	159
5	Chromite	19	3293.07
6	Copper ore	9	3916.85
7	Diamond	2	275.96
8	Emerald	1	46.32
9	Epidote	1	4.05
10	Fluorite	10	326.24
11	Garnet	28	154.68
12	Gold	10	6934.49
13	Graphite	32	1342.11
14	Iolite	5	61.26
15	Iron ore	321	50142.48
16	Kyanite	14	231.11
17	Lead & zinc ore	11	7274.25
18	Limeshell	25	1072.15
19	Limestone	1856	160922.08
20	Magnesite	36	2313.54
21	Manganese ore	217	10503.80
22	Moulding sand	6	39.24
23	Perlite	1	144.88
24	Rock phosphate	7	1534.24
25	Rock salt	1	8.12
26	Sapphire	1	673.40
27	Semi-precious stones	16	255.04
28	Selenite	4	625.35
29	Siliceous earth	35	271.71
30	Sillimanite	2	33.34
31	Stibnite	1	40.47
32	Tin	15	319.17
33	Vermiculite	55	951.30
34	Wollastonite	15	302.69
	<b>Total</b>	<b>3095</b>	<b>278008.94</b>

**Table – 3: Statewise/Mineral wise Distribution of Mining Lease  
As on 31.3.2022 (P)**

<b>State</b>	<b>Minerals</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>
<b>Andhra Pradesh</b>	Garnet	4	4.71
	Gold	1	597.82
	Iron ore	53	1673.35
	Limeshell	3	79.58
	Limestone	221	21517.11
	Manganese ore	35	711.11
	Moulding sand	2	23.47
	Semi-precious stones	13	125.89
	Vermiculite	47	717.45
	<b>Total</b>	<b>379</b>	<b>25450.49</b>
<b>Assam</b>	Limestone	7	889.50
	<b>Total</b>	<b>7</b>	<b>889.50</b>
<b>Bihar</b>	Limestone	1	53.38
	<b>Total</b>	<b>1</b>	<b>53.38</b>
<b>Chhattisgarh</b>	Bauxite	26	5665.06
	Graphite	1	67.11
	Iron ore	24	9493.4
	Limestone	106	10669.04
	Moulding sand	4	15.77
	Tin	14	300.17
<b>Total</b>	<b>175</b>	<b>26210.55</b>	

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
<b>Goa</b>	Bauxite	1	40.92
	Iron Ore	8	401.57
	<b>Total</b>	<b>9</b>	<b>442.49</b>
<b>Gujarat</b>	Bauxite	143	4941.95
	Fluorite	2	63.2
	Lead & zinc ore	1	184.98
	Limestone	291	21475.66
	Manganese ore	1	2.95
	Perlite	1	144.88
	Vermiculite	1	23.2
	<b>Total</b>	<b>440</b>	<b>26836.82</b>
<b>Haryana</b>	Limestone	4	46.85
	<b>Total</b>	<b>4</b>	<b>46.85</b>
<b>Himachal Pradesh</b>	Limestone	39	2440.46
	Rock Salt	1	8.12
	<b>Total</b>	<b>40</b>	<b>2448.58</b>
<b>Jammu &amp; Kashmir *</b>	Borax	1	159
	Limestone	34	702.73
	Magnesite	1	485.3
	Sapphire	1	673.4
	<b>Total</b>	<b>37</b>	<b>2020.43</b>

\*Jammu & Kashmir has been declared as an Union Territory consequent upon Jammu & Kashmir Reorganization Act, 2019

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
<b>Jharkhand</b>	Bauxite	44	3554.04
	Copper ore	3	2313.37
	Gold	2	74.05
	Graphite	11	423.56
	Iron ore	16	8315.11
	Kyanite	5	123.49
	Limestone	19	3264.62
	<b>Total</b>	<b>100</b>	<b>18068.24</b>
<b>Karnataka</b>	Bauxite	3	210.06
	Chromite	5	691.41
	Copper ore	2	416.83
	Gold	7	6262.62
	Graphite	4	263.14
	Iron ore	77	7120.81
	Kyanite	3	27.37
	Limeshell	19	888.56
	Limestone	144	16152.37
	Magnesite	7	157.54
	Manganese ore	25	848.03
	Vermiculite	2	8.31
	<b>Total</b>	<b>298</b>	<b>33047.05</b>
	<b>Kerala</b>	Graphite	1
Iron Ore		1	86.06
Limeshell		2	99.4
Limestone		1	234.94
<b>Total</b>		<b>5</b>	<b>421.65</b>

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
<b>Madhya Pradesh</b>	Bauxite	81	1329.13
	Copper ore	1	479.9
	Diamond	2	275.96
	Iron ore	39	436.4
	Limestone	390	33348.34
	Manganese ore	93	1764.68
	Rock phosphate	6	163.87
	Stibnite	1	40.47
	<b>Total</b>	<b>613</b>	<b>37838.75</b>
<b>Maharashtra</b>	Bauxite	27	3607.52
	Fluorite	1	31.22
	Iron ore	25	1512.83
	Kyanite	4	70.25
	Limestone	40	6623.68
	Manganese ore	32	998.54
	Sillimanite	1	28.7
	<b>Total</b>	<b>130</b>	<b>12872.74</b>
<b>Meghalaya</b>	Limestone	20	784.7
	Sillimanite	1	4.64
	<b>Total</b>	<b>21</b>	<b>789.34</b>

(contd)



Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
<b>Odisha</b>	Bauxite	5	3928.68
	Chromite	14	2601.66
	Garnet	2	58.66
	Graphite	9	311.32
	Iolite	5	61.26
	Iron ore	56	18676.93
	Limestone	7	2632.59
	Manganese ore	15	5453.2
	Semi-precious stones	3	129.15
	Tin	1	19
	<b>Total</b>	<b>117</b>	<b>33872.45</b>
	<b>Rajasthan</b>	Bauxite	1
Copper ore		3	706.75
Emerald		1	46.32
Epidote		1	4.05
Fluorite		7	231.82
Garnet		18	81.69
Iron ore		17	2379.59
Kyanite		2	10
Lead & zinc ore		10	7089.27
Limestone		45	21073.64
Magnesite		3	14.75
Manganese ore		1	18.9
Rock phosphate		1	1370.37
Selenite		4	625.3466
Siliceous earth		35	271.71
Vermiculite		4	178.63
Wollastonite		15	302.69
<b>Total</b>		<b>168</b>	<b>34528.7266</b>

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
<b>Tamil Nadu</b>	Bauxite	4	416.69
	Graphite	6	275.73
	Limeshell	1	4.61
	Limestone	426	6959.64
	Magnesite	21	1478.32
	Vermiculite	1	23.71
	<b>Total</b>	<b>459</b>	<b>9158.7</b>
<b>Telangana</b>	Amethyst	2	5.83
	Garnet	4	9.62
	Iron ore	5	46.43
	Limestone	54	9459.11
	Manganese ore	15	706.39
	<b>Total</b>	<b>80</b>	<b>10227.38</b>
<b>Uttar Pradesh</b>	Limestone	4	2579.56
	<b>Total</b>	<b>4</b>	<b>2579.56</b>
<b>Uttarakhand</b>	Limestone	3	14.16
	Magnesite	4	177.63
	<b>Total</b>	<b>7</b>	<b>191.79</b>
<b>West Bengal</b>	Apatite	1	13.47
	<b>Total</b>	<b>1</b>	<b>13.47</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

**Table- 4 : Statewise/Districtwise/Mineralwise Distribution of Mining Leases  
As on 31.3.2022 (P)**

State	District	Mineral	No. of Leases	Area (In ha)
Andhra Pradesh	Anantapur	Iron Ore	5	136.99
		Limestone	29	1229.1
		<b>Total</b>	<b>34</b>	<b>1366.09</b>
	Cuddapah	Iron Ore	11	1011.93
		Limestone	23	3417.66
		<b>Total</b>	<b>34</b>	<b>4429.59</b>
	Guntur	Limestone	32	5360.27
		<b>Total</b>	<b>32</b>	<b>5360.27</b>
	Krishna	Iron Ore	5	25.57
		Limestone	13	3210.31
		<b>Total</b>	<b>18</b>	<b>3235.88</b>
	Kurnool	Gold	1	597.82
		Iron Ore	28	424.41
		Limestone	120	8283.05
		<b>Total</b>	<b>149</b>	<b>9305.28</b>
	Nellore	Iron Ore	1	40.47
		Limeshell	2	75.58
		Moulding Sand	2	23.47
		Vermiculite	47	717.45
		<b>Total</b>	<b>52</b>	<b>856.97</b>
	Prakasam	Garnet	4	4.71
Iron Ore		3	33.98	
<b>Total</b>		<b>7</b>	<b>38.69</b>	

(contd)

Table-4 (Contd)

State	District	Mineral	No. of Leases	Area (In ha)
Andhra Pradesh	Srikakulam	Limeshell	1	4.00
		<b>Total</b>	<b>1</b>	<b>4.00</b>
	Visakhapatnam	Limestone	4	16.72
		Semi-precious Stones	13	125.89
		<b>Total</b>	<b>17</b>	<b>142.61</b>
	Vizianagaram	Manganese Ore	35	711.11
<b>Total</b>		<b>35</b>	<b>711.11</b>	
Assam	Karbi Anglong	Limestone	1	171.00
		<b>Total</b>	<b>1</b>	<b>171</b>
	North Cachar Hills	Limestone	6	718.50
		<b>Total</b>	<b>6</b>	<b>718.5</b>
Bihar	Rohtas	Limestone	1	53.38
		<b>Total</b>	<b>1</b>	<b>53.38</b>
Chhattisgarh	Balod	Iron Ore	4	2562.69
		<b>Total</b>	<b>4</b>	<b>2562.69</b>
	Baloda Bazar	Limestone	26	6001.11
		<b>Total</b>	<b>26</b>	<b>6001.11</b>
	Balrampur	Bauxite	4	4000.55
		Graphite	1	67.11
<b>Total</b>		<b>5</b>	<b>4067.66</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Chhattisgarh	Bastar	Limestone	14	47.64
		<b>Total</b>	<b>14</b>	<b>47.64</b>
	Bemetara	Limestone	1	17.90
		<b>Total</b>	<b>1</b>	<b>17.9</b>
	Bilaspur	Limestone	3	1788.80
		<b>Total</b>	<b>3</b>	<b>1788.8</b>
	Dantewada	Iron Ore	7	2998.71
		Tin	8	116.21
		<b>Total</b>	<b>15</b>	<b>3114.92</b>
	Durg	Limestone	43	1593.78
		Moulding Sand	2	8.08
		<b>Total</b>	<b>45</b>	<b>1601.86</b>
	Janjgir-Champa	Limestone	3	713.32
		<b>Total</b>	<b>3</b>	<b>713.32</b>
	Jashpur	Bauxite	2	40.61
		<b>Total</b>	<b>2</b>	<b>40.61</b>
	Kabirdham	Bauxite	3	669.64
		Limestone	2	13.76
		<b>Total</b>	<b>5</b>	<b>683.4</b>
	Kanker	Bauxite	3	13.23
		Iron Ore	10	3549.04
<b>Total</b>		<b>13</b>	<b>3562.27</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Chhattisgarh	Kondagaon	Bauxite	2	27.28
		<b>Total</b>	<b>2</b>	<b>27.28</b>
	Narayanpur	Iron Ore	1	192.25
		<b>Total</b>	<b>1</b>	<b>192.25</b>
	Raigarh	Limestone	1	7.41
		<b>Total</b>	<b>1</b>	<b>7.41</b>
	Raipur	Limestone	13	485.32
		<b>Total</b>	<b>13</b>	<b>485.32</b>
	Rajnandgaon	Iron Ore	2	190.71
		Moulding Sand	2	7.69
		<b>Total</b>	<b>4</b>	<b>198.4</b>
	Sukma	Tin	6	183.96
		<b>Total</b>	<b>6</b>	<b>183.96</b>
	Surguja	Bauxite	12	913.75
<b>Total</b>		<b>12</b>	<b>913.75</b>	
Goa	North Goa	Iron Ore	2	71.88
		<b>Total</b>	<b>2</b>	<b>71.88</b>
	South Goa	Bauxite	1	40.92
		Iron Ore	6	329.69
		<b>Total</b>	<b>7</b>	<b>370.61</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Gujarat	Amreli	Bauxite	1	12.68
		Limestone	8	2820.54
		<b>Total</b>	<b>9</b>	<b>2833.22</b>
	Aravali	Bauxite	4	16.39
		<b>Total</b>	<b>4</b>	<b>16.39</b>
	Banaskantha	Lead & zinc ore	1	184.98
		Limestone	2	69.24
		<b>Total</b>	<b>3</b>	<b>254.22</b>
	Bhavnagar	Limestone	7	2971.03
		<b>Total</b>	<b>7</b>	<b>2971.03</b>
	Devbhoomi Dwarka	Bauxite	105	2641.46
		Limestone	30	1122.9
		<b>Total</b>	<b>135</b>	<b>3764.36</b>
	Gir Somnath	Limestone	77	3650.63
		<b>Total</b>	<b>77</b>	<b>3650.63</b>
	Jamnagar	Limestone	24	1656.81
		<b>Total</b>	<b>24</b>	<b>1656.81</b>
	Junagarh	Limestone	19	201.02
		<b>Total</b>	<b>19</b>	<b>201.02</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Gujarat	Kheda	Bauxite	15	90.39
		<b>Total</b>	<b>15</b>	<b>90.39</b>
	Kachchh	Bauxite	11	2048.65
		Limestone	8	5679.88
		<b>Total</b>	<b>19</b>	<b>7728.53</b>
	Panchmahals	Limestone	2	114.42
		Manganese Ore	1	2.95
		<b>Total</b>	<b>3</b>	<b>117.37</b>
	Porbandar	Bauxite	6	112.38
		Limestone	109	2132.75
		<b>Total</b>	<b>115</b>	<b>2245.13</b>
	Rajkot	Limestone	3	12.00
		Perlite	1	144.88
		<b>Total</b>	<b>4</b>	<b>156.88</b>
	Sabarkantha	Bauxite	1	20.00
<b>Total</b>		<b>1</b>	<b>20</b>	
Surat	Limestone	2	1044.44	
	<b>Total</b>	<b>2</b>	<b>1044.44</b>	
Vadodara	Fluorite	2	63.2	
	Vermiculite	1	23.2	
	<b>Total</b>	<b>3</b>	<b>86.4</b>	
Haryana	Mahendragarh	Limestone	4	46.85
		<b>Total</b>	<b>4</b>	<b>46.85</b>

(contd)



Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Himachal Pradesh	Bilaspur	Limestone	1	231.25	
		<b>Total</b>	<b>1</b>	<b>231.25</b>	
	Mandi	Limestone	1	725.86	
		Rock Salt	1	8.12	
		<b>Total</b>	<b>2</b>	<b>733.98</b>	
	Sirmur	Limestone	34	457.27	
		<b>Total</b>	<b>34</b>	<b>457.27</b>	
	Solan	Limestone	3	1026.08	
		<b>Total</b>	<b>3</b>	<b>1026.08</b>	
	Jammu & Kashmir *	Anantnag	Limestone	22	216.18
			<b>Total</b>	<b>22</b>	<b>216.18</b>
		Kishtwar	Sapphire	1	673.40
<b>Total</b>			<b>1</b>	<b>673.4</b>	
Leh		Borax	1	159.00	
		<b>Total</b>	<b>1</b>	<b>159</b>	
Pulwama		Limestone	9	249.41	
		<b>Total</b>	<b>9</b>	<b>249.41</b>	
Reasi	Magnesite	1	485.30		
	<b>Total</b>	<b>1</b>	<b>485.3</b>		
Srinagar	Limestone	3	237.14		
	<b>Total</b>	<b>3</b>	<b>237.14</b>		
Jharkhand	Gumla	Bauxite	26	2318.00	
		<b>Total</b>	<b>26</b>	<b>2318.00</b>	

\*Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu & Kashmir Reorganisation Act, 2019

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Jharkhand	Latehar	Bauxite	2	476.04
		Graphite	1	7.22
		<b>Total</b>	<b>3</b>	<b>483.26</b>
	Lohardaga	Bauxite	16	760.00
		<b>Total</b>	<b>16</b>	<b>760</b>
	Palamu	Graphite	10	416.34
		Limestone	1	1043.41
		<b>Total</b>	<b>11</b>	<b>1459.75</b>
	Ramgarh	Limestone	4	87.43
		<b>Total</b>	<b>4</b>	<b>87.43</b>
	Ranchi	Limestone	4	1289.52
		<b>Total</b>	<b>4</b>	<b>1289.52</b>
	Saraikela-Kharaswan	Kyanite	2	27.8
		<b>Total</b>	<b>2</b>	<b>27.8</b>
	Singhbhum (East)	Copper Ore	3	2313.37
		Gold	2	74.05
		Kyanite	3	95.69
		<b>Total</b>	<b>8</b>	<b>2483.11</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Jharkhand	Singhbhum (West)	Iron Ore	16	8315.11
		Limestone	10	844.26
		<b>Total</b>	<b>26</b>	<b>9159.37</b>
Karnataka	Bagalkot	Iron Ore	2	35.19
		Limestone	92	6083.74
		<b>Total</b>	<b>94</b>	<b>6118.93</b>
	Belgavi	Bauxite	3	210.06
		Limestone	16	1027.75
		<b>Total</b>	<b>19</b>	<b>1237.81</b>
	Ballari	Iron Ore	61	6418.89
		Manganese Ore	3	166.5
		<b>Total</b>	<b>64</b>	<b>6585.39</b>
	Chikmagalur	Iron Ore	1	4.89
		<b>Total</b>	<b>1</b>	<b>4.89</b>
	Chitradurga	Copper Ore	2	416.83
		Iron Ore	7	374.26
		Limestone	15	1870.89
		Manganese Ore	14	409.83
		<b>Total</b>	<b>38</b>	<b>3071.81</b>

(contd)

Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka	Davanagere	Manganese Ore	4	71.46
		<b>Total</b>	<b>4</b>	<b>71.46</b>
	Gulbarga	Gold	1	55.76
		Limestone	16	6733.23
		<b>Total</b>	<b>17</b>	<b>6788.99</b>
	Hassan	Chromite	5	691.41
		Kyanite	1	2.93
		<b>Total</b>	<b>6</b>	<b>694.34</b>
	Kolar	Gold	1	5213.21
		<b>Total</b>	<b>1</b>	<b>5213.21</b>
	Mysuru	Graphite	4	263.14
		Kyanite	2	24.44
		Magnesite	7	157.54
		Vermiculite	2	8.31
		<b>Total</b>	<b>15</b>	<b>453.43</b>
	Uttara Kannada	Limeshell	17	672.87
		<b>Total</b>	<b>17</b>	<b>672.87</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Karnataka	Raichur	Gold	5	993.64
		<b>Total</b>	<b>5</b>	<b>993.64</b>
	Shivamogga	Limestone	1	40.12
		<b>Total</b>	<b>1</b>	<b>40.12</b>
	Tumakuru	Iron Ore	6	287.58
		Limestone	3	393.61
		Manganese Ore	4	200.24
		<b>Total</b>	<b>13</b>	<b>881.43</b>
	Udupi	Limeshell	2	215.69
		<b>Total</b>	<b>2</b>	<b>215.69</b>
	Yadgir	Limestone	1	3.03
		<b>Total</b>	<b>1</b>	<b>3.03</b>
	Kerala	Alappuzha (Alleppey)	Limeshell	1
<b>Total</b>			<b>1</b>	<b>4.9</b>
Ernakulam		Graphite	1	1.25
		<b>Total</b>	<b>1</b>	<b>1.25</b>
Kottayam	Limeshell	1	94.50	
	<b>Total</b>	<b>1</b>	<b>94.5</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Kerala	Kozhikode	Iron Ore	1	86.06
		<b>Total</b>	<b>1</b>	<b>86.06</b>
	Palakkad	Limestone	1	234.94
		<b>Total</b>	<b>1</b>	<b>234.94</b>
Madhya Pradesh	Alirajpur	Manganese Ore	1	15.26
		<b>Total</b>	<b>1</b>	<b>15.26</b>
	Anuppur	Bauxite	3	170.82
		<b>Total</b>	<b>3</b>	<b>170.82</b>
	Balaghat	Copper Ore	1	479.9
		Iron Ore	1	4.95
		Limestone	5	31.49
		Manganese Ore	66	1441.2
		<b>Total</b>	<b>73</b>	<b>1957.54</b>
	Chhatarpur	Iron Ore	2	8.65
		Rock phosphate	2	61.96
		<b>Total</b>	<b>4</b>	<b>70.61</b>
	Chhindwara	Manganese Ore	14	174.68
<b>Total</b>		<b>14</b>	<b>174.68</b>	
Damoh	Limestone	3	1260.2	
	Stibnite	1	40.47	
	<b>Total</b>	<b>4</b>	<b>1300.67</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Madhya Pradesh	Dhar	Limestone	28	2170.31
		<b>Total</b>	<b>28</b>	<b>2170.31</b>
	Gwalior	Iron Ore	3	19.91
		<b>Total</b>	<b>3</b>	<b>19.91</b>
	Jabalpur	Bauxite	4	36.56
		Iron Ore	28	356.41
		Limestone	1	12.27
		Manganese Ore	7	40.32
		<b>Total</b>	<b>40</b>	<b>445.56</b>
	Jhabua	Manganese Ore	4	44.66
		Rock Phosphate	3	49.11
		<b>Total</b>	<b>7</b>	<b>93.77</b>
	Katni	Bauxite	24	286.95
		Iron Ore	2	13.62
		Limestone	134	4305.89
		Manganese Ore	1	48.56
		<b>Total</b>	<b>161</b>	<b>4655.02</b>
	Narasinhpur	Limestone	1	3.19
		<b>Total</b>	<b>1</b>	<b>3.19</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Madhya Pradesh	Neemuch	Limestone	11	2361.56
		<b>Total</b>	<b>11</b>	<b>2361.56</b>
		Panna	Diamond	2
	Limestone		3	5388.46
	<b>Total</b>		<b>5</b>	<b>5664.42</b>
	Rewa		Bauxite	10
		Limestone	24	2061.19
		<b>Total</b>	<b>34</b>	<b>2167.21</b>
		Sagar	Iron Ore	2
	Limestone		2	55.04
	Rock Phosphate		1	52.8
	<b>Total</b>		<b>5</b>	<b>124.51</b>
	Satna		Bauxite	37
		Iron Ore	1	16.19
		Limestone	174	15132.57
		<b>Total</b>	<b>212</b>	<b>15867.05</b>
		Sidhi	Bauxite	3
	Limestone		4	566.17
	<b>Total</b>		<b>7</b>	<b>576.66</b>

(contd)



Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Maharashtra	Bhandara	Kyanite	4	70.25
		Manganese Ore	7	334.03
		Sillimanite	1	28.7
		<b>Total</b>	<b>12</b>	<b>432.98</b>
	Chandrapur	Fluorite	1	31.22
		Iron Ore	2	25.28
		Limestone	14	4010.64
		<b>Total</b>	<b>17</b>	<b>4067.14</b>
	Gadchiroli	Iron Ore	6	394.46
		<b>Total</b>	<b>6</b>	<b>394.46</b>
	Gondia	Iron Ore	3	22.93
		<b>Total</b>	<b>3</b>	<b>22.93</b>
	Kolhapur	Bauxite	17	2715.86
		<b>Total</b>	<b>17</b>	<b>2715.86</b>
	Nagpur	Manganese Ore	25	664.51
		<b>Total</b>	<b>25</b>	<b>664.51</b>
	Raigad	Bauxite	3	222.27
		<b>Total</b>	<b>3</b>	<b>222.27</b>
	Ratnagiri	Bauxite	7	669.39

		<b>Total</b>	<b>7</b>	<b>669.39</b>
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(contd)

Table-4 (contd)

<b>State</b>	<b>District</b>	<b>Mineral</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>	
<b>Maharashtra</b>	<b>Sindhudurg</b>	Iron Ore	14	1070.16	
		<b>Total</b>	<b>14</b>	<b>1070.16</b>	
	<b>Yavatmal</b>	Limestone	26	2613.04	
		<b>Total</b>	<b>26</b>	<b>2613.04</b>	
	<b>Meghalaya</b>	<b>Jaintia Hills</b>	Limestone	16	299.92
			<b>Total</b>	<b>16</b>	<b>299.92</b>
<b>Khasi Hills East</b>		Limestone	4	484.78	
		<b>Total</b>	<b>4</b>	<b>484.78</b>	
<b>Khasi Hills West</b>		Sillimanite	1	4.64	
		<b>Total</b>	<b>1</b>	<b>4.64</b>	
<b>Odisha</b>	<b>Bargarh</b>	Limestone	1	502.22	
		<b>Total</b>	<b>1</b>	<b>502.22</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Odisha	Bolangir	Graphite	2	17.37
		<b>Total</b>	<b>2</b>	<b>17.37</b>
	Dhenkanal	Chromite	1	91.83
		<b>Total</b>	<b>1</b>	<b>91.83</b>
	Jajpur	Chromite	12	2369.85
		Iron Ore	1	1018.01
		<b>Total</b>	<b>13</b>	<b>3387.86</b>
	Kalahandi	Garnet	2	58.66
		lolite	4	20.31
		Semi-precious stones	1	17.12
		<b>Total</b>	<b>7</b>	<b>96.09</b>
	Keonjhar	Chromite	1	139.98
		Iron Ore	28	9980.83
		Manganese Ore	6	4573.23
		<b>Total</b>	<b>35</b>	<b>14694.04</b>
	Koraput	Bauxite	4	2539.94
		Graphite	1	58.7
		Limestone	1	285.43
		Semi –Precious Stones	1	41.48
		<b>Total</b>	<b>7</b>	<b>2925.55</b>
	Malkangiri	Tin	1	19.00
		<b>Total</b>	<b>1</b>	<b>19</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Odisha	Mayurbhanj	Iron Ore	3	1097.11
		<b>Total</b>	<b>3</b>	<b>1097.11</b>
	Nawapara	Graphite	4	116.07
		<b>Total</b>	<b>4</b>	<b>116.07</b>
	Raygada	Bauxite	1	1388.74
		Graphite	2	119.18
		lolite	1	40.95
		Manganese ore	1	18.49
		Semi-precious stones	1	70.55
		<b>Total</b>	<b>6</b>	<b>1637.91</b>
	Sundargarh	Iron Ore	24	6580.98
		Limestone	5	1844.94
		Manganese Ore	8	861.48
		<b>Total</b>	<b>37</b>	<b>9287.4</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Ajmer	Emerald	1	46.32
		Garnet	7	32.53
		Lead & zinc ore	1	480.45
		Limestone	2	1305.3
		Magnesite	1	4.75
		Vermiculite	3	34.63
		Wollastonite	11	111.84
		<b>Total</b>	<b>26</b>	<b>2015.82</b>
	Alwar	Iron Ore	1	69.37
		<b>Total</b>	<b>1</b>	<b>69.37</b>
	Banswara	Limestone	1	65.82
		Manganese Ore	1	18.9
		<b>Total</b>	<b>2</b>	<b>84.72</b>
	Barmer	Selenite	3	480.35
		Siliceous Earth	21	161.4
		<b>Total</b>	<b>24</b>	<b>641.75</b>
	Bhilwara	Garnet	5	20.74
		Iron ore	2	1989.88
		Kyanite	2	10
		Lead & zinc ore	1	1200
		Vermiculite	1	144
		<b>Total</b>	<b>11</b>	<b>3364.62</b>
	Bikaner	Selenite	1	145
			<b>1</b>	<b>145</b>
	Bundi	Limestone	1	1516.88
		<b>Total</b>	<b>1</b>	<b>1516.88</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Chittorgarh	Limestone	11	5813.90
		<b>Total</b>	<b>11</b>	<b>5813.9</b>
	Dungarpur	Fluorite	1	5.00
		<b>Total</b>	<b>1</b>	<b>5.00</b>
	Jaipur	Epidote	1	4.05
		Iron Ore	4	39.05
		Limestone	2	581.15
		<b>Total</b>	<b>7</b>	<b>624.25</b>
	Jaisalmer	Limestone	2	1998.4
		Siliceous Earth	14	110.31
		<b>Total</b>	<b>16</b>	<b>2108.71</b>
	Jalore	Fluorite	6	226.82
		<b>Total</b>	<b>6</b>	<b>226.82</b>
	Jhunjhunu	Copper Ore	3	706.75
		Iron Ore	6	67.53
		Limestone	1	624
		<b>Total</b>	<b>10</b>	<b>1398.28</b>
	Jodhpur	Limestone	1	195.71
		<b>Total</b>	<b>1</b>	<b>195.71</b>
	Kota	Limestone	1	895.00
		<b>Total</b>	<b>1</b>	<b>895.00</b>
	Nagaur	Limestone	9	3419.24
		<b>Total</b>	<b>9</b>	<b>3419.24</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Pali	Limestone	6	2576.43
		Magnesite	2	10
		Wollastonite	2	28.87
		<b>Total</b>	<b>10</b>	<b>2615.3</b>
	Rajsamand	Garnet	1	4.36
		Lead & Zinc Ore	3	1725.82
		<b>Total</b>	<b>4</b>	<b>1730.18</b>
	Sikar	Iron Ore	4	213.76
		Limestone	1	41.13
		<b>Total</b>	<b>5</b>	<b>254.89</b>
	Sirohi	Lead & Zinc Ore	1	63
		Limestone	5	1124.03
		Wollastonite	1	49.48
		<b>Total</b>	<b>7</b>	<b>1236.51</b>
	Tonk	Garnet	5	24.06
		<b>Total</b>	<b>5</b>	<b>24.06</b>
	Udaipur	Bauxite	1	123.2
		Lead & Zinc Ore	4	3620
		Limestone	2	916.64
		Rock Phosphate	1	1370.37
Wollastonite		1	112.5	
<b>Total</b>		<b>9</b>	<b>6142.71</b>	

(contd)

Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu	Ariyalur	Limestone	73	2658.51
		<b>Total</b>	<b>73</b>	<b>2658.51</b>
	Coimbatore	Limestone	4	217.96
		<b>Total</b>	<b>4</b>	<b>217.96</b>
	Cuddalore	Limeshell	1	4.61
		<b>Total</b>	<b>1</b>	<b>4.61</b>
	Dindigul	Limestone	38	590.99
		<b>Total</b>	<b>38</b>	<b>590.99</b>
	Karur	Limestone	34	265.39
		Magnesite	2	4.41
		<b>Total</b>	<b>36</b>	<b>269.8</b>
	Krishnagiri	Limestone	2	2.46
		<b>Total</b>	<b>2</b>	<b>2.46</b>
	Madurai	Graphite	2	5.67
		Limestone	15	58.08
		<b>Total</b>	<b>17</b>	<b>63.75</b>
	Namakkal	Bauxite	3	226.16
		Limestone	36	111.2
		Magnesite	3	4.89
		<b>Total</b>	<b>42</b>	<b>342.25</b>

(contd)



Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Tamil Nadu	Perambalur	Limestone	32	136.08
		<b>Total</b>	<b>32</b>	<b>136.08</b>
	Salem	Bauxite	1	190.53
		Limestone	52	418.79
		Magnesite	14	1461.76
		<b>Total</b>	<b>67</b>	<b>2071.08</b>
	Sivagangai	Graphite	4	270.06
		<b>Total</b>	<b>4</b>	<b>270.06</b>
	Theni (Madurai)	Limestone	3	6.77
		<b>Total</b>	<b>3</b>	<b>6.77</b>
	Thoothukudi (Tuticorin)	Limestone	16	460.45
		<b>Total</b>	<b>16</b>	<b>460.45</b>
	Tiruchirappalli	Limestone	23	228.58
		<b>Total</b>	<b>23</b>	<b>228.58</b>
	Tirunelveli	Limestone	69	657.84
		<b>Total</b>	<b>69</b>	<b>657.84</b>

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Tamil Nadu	Tiruppur	Magnesite	2	7.26
		<b>Total</b>	<b>2</b>	<b>7.26</b>
	Vellore	Vermiculite	1	23.71
		<b>Total</b>	<b>1</b>	<b>23.71</b>
	Virudhunagar	Limestone	29	1146.54
		<b>Total</b>	<b>29</b>	<b>1146.54</b>
Telangana	Adilabad	Limestone	8	2035.71
		Manganese Ore	15	706.39
		<b>Total</b>	<b>23</b>	<b>2742.1</b>
	Hyderabad	Amethyst	1	0.89
		<b>Total</b>	<b>1</b>	<b>0.89</b>
	Karimnagar	Limestone	2	482.54
		<b>Total</b>	<b>2</b>	<b>482.54</b>
	Khammam	Garnet	4	9.62
		Iron Ore	4	29.38
		<b>Total</b>	<b>8</b>	<b>39.00</b>
Mahbubnagar	Limestone	1	173.64	
	<b>Total</b>	<b>1</b>	<b>173.64</b>	
Nalgonda	Amethyst	1	4.94	
	Limestone	38	5550.39	
	<b>Total</b>	<b>39</b>	<b>5555.33</b>	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Telangana	Rangareddi	Limestone	5	1216.83
		<b>Total</b>	<b>5</b>	<b>1216.83</b>
	Warangal	Iron Ore	1	17.05
		<b>Total</b>	<b>1</b>	<b>17.05</b>
Uttar Pradesh	Sonbhadra	Limestone	4	2579.56
		<b>Total</b>	<b>4</b>	<b>2579.56</b>
Uttarakhand	Bageshwar	Magnesite	1	165.08
		<b>Total</b>	<b>1</b>	<b>165.08</b>
	Chamoli	Magnesite	1	4.13
		<b>Total</b>	<b>1</b>	<b>4.13</b>
	Pithoragarh	Magnesite	2	8.42
		<b>Total</b>	<b>2</b>	<b>8.42</b>
	Tehri Garhwal	Limestone	3	14.16
		<b>Total</b>	<b>3</b>	<b>14.16</b>
West Bengal	Purulia	Apatite	1	13.47
		<b>Total</b>	<b>1</b>	<b>13.47</b>
<b>Total</b>				

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

## **3.2 DISTRICT WISE ANALYSIS**

### **(i) High Mineral Potential Districts**

Districtwise analysis indicates that the total number of mineral-bearing districts is around 197 and that they are spread across 22 States/UT's in the country. Out of these, 5 districts in 3 States are considered as high mineral potential districts wherein more than 100 mining leases are in districts. A total of **772** mining leases are in these districts covering an area of about 35,836.84 hectares. These constitute about 25% of the total number of mining leases in the country and cover around 13% of the total area.

### **(ii) Medium Mineral Potential Districts**

Districts, wherein mining leases are between 51 and 100 are considered as Medium Potential districts. There are 569 such mining leases in 08 districts in 5 States covering an area of about 24,556.89 hectares. These constitute 18% of the total number of mining leases in the country and cover over 9 % of the total area.

### **(iii) Low Mineral Potential Districts**

Districts wherein mining leases are between 1 and 50 are considered as Low Mineral Potential districts. There are 1,754 mining leases in 175 such districts in 22 States/UT's covering an area of about 2,17,615.21 hectares in the country. These account for 58% of the total number of mining leases in the country covering 78% of the total area.

Information on Statewise the number of mining leases in high mineral potential, medium potential, low potential districts is furnished in Tables-5 to 7.

**Table - 5 : High Mineral Potential Districts (P)**

S. No.	State	District	No. of Leases	No. of Minerals	Area (In ha)
1	Andhra Pradesh	Kurnool	149	3	9305.28
2	Gujarat	Devbhoomi Dwarka	135	2	3764.36
3	Gujarat	Porbandar	115	2	2245.13
4	Madhya Pradesh	Katni	161	4	4655.02
5	Madhya Pradesh	Satna	212	3	15867.05
.	Total		<b>772</b>		<b>35836.84</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

**Table – 6: Medium Mineral Potential Districts (P)**

S. No.	State	District	No. of Leases	No. of Minerals	Area (In ha)
1	Andhra Pradesh	Nellore	52	4	856.97
2	Gujarat	Gir Somnath	77	1	3650.63
3	Karnataka	Bagalkot	94	2	6118.93
4	Karnataka	Ballari	64	2	6585.39
5	Madhya Pradesh	Balaghat	73	4	1957.54
6	Tamil Nadu	Ariyalur	73	1	2658.51
7	Tamil Nadu	Salem	67	3	2071.08
8	Tamil Nadu	Tirunelveli	69	1	657.84
	Total		<b>569</b>		<b>24556.89</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

**Table – 7 : Low Mineral Potential District (P)**

<b>S. No.</b>	<b>State</b>	<b>No. of Districts</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>
1	Andhra Pradesh	8	178	15288.24
2	Assam	2	7	889.50
3	Bihar	1	1	53.38
4	Chhattisgarh	19	175	26210.55
5	Goa	2	9	442.49
6	Gujarat	13	113	17176.70
7	Haryana	1	4	46.85
8	Himachal Pradesh	4	40	2448.58
9	Jammu & Kashmir*	6	37	2020.43
10	Jharkhand	9	100	18068.24
11	Karnataka	14	140	20342.73
12	Kerala	5	5	421.65
13	Madhya Pradesh	15	167	15359.14
14	Maharashtra	10	130	12872.74
15	Meghalaya	3	21	789.34
16	Odisha	12	117	33872.45
17	Rajasthan	22	168	34528.73
18	Tamil Nadu	15	250	3771.27
19	Telangana	8	80	10227.38
20	Uttar Pradesh	1	4	2579.56
21	Uttarakhand	4	7	191.79
22	West Bengal	1	1	13.47
	<b>Total</b>	<b>175</b>	<b>1754</b>	<b>217615.21</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

\*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019

### **3.3 MINERALWISE ANALYSIS**

There are 34 naturally occurring minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) for which mining leases are granted in the country. These minerals are broadly classified into Scheduled and Non-Scheduled minerals.

#### **(i) Scheduled Minerals**

The Scheduled Minerals (Minerals mentioned under Part-C of the First Schedule of MMDR Act, 1957) include ferrous, non-ferrous & noble metals, industrial mineral and precious mineral.

The ferrous group includes chromite, iron Ore and manganese Ore; non-ferrous group consists of bauxite, copper Ore and lead & zinc Ores; noble metal group includes gold; and precious stone includes diamond, ruby & sapphire. At present, there are no commercial mining leases for silver and platinum group of metals in the country.

There are 09 minerals under Scheduled Minerals for which mining leases have been granted as on 31.3.2022 (P). The number of mining leases granted are 925, i.e. 30% of the total mining leases accounting for an area of about 1,06,831.55 hectares which is 38% of the total mining area (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) in the country. Out of the nine scheduled minerals, the total number of mining leases granted for bauxite is placed at 335 followed by iron ore (321), manganese Ore (217), chromite (19), lead & zinc Ore (11), gold (10) and copper Ore (09). These seven minerals account for 922 mining leases, i.e., 99.68% of the mining leases under this category accounting for an area of about 1,05,882.19 hectares which is 99.11% of the lease area accounted under Scheduled Minerals. The distribution of mining leases for Scheduled minerals is furnished in Table-8.

#### **(ii) Non-Scheduled Minerals**

There are 28 Non-Scheduled, mostly Industrial minerals, for which leases are granted in the country. In all, there are 2,170 (70% of the total mining leases) mining leases granted for these minerals that account for an area of about 1,71,177.39 hectares which is 62% of the total lease area. Distribution of mining leases for Non-Scheduled minerals is furnished given in Table-9.

**Table – 8 : Distribution of Mining Leases for Scheduled Minerals  
As on 31.03.2022 (P)**

<b>S. No.</b>	<b>Mineral</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>
1	Bauxite	335	23817.25
2	Chromite	19	3293.07
3	Copper Ore	9	3916.85
4	Diamond *	2	275.96
5	Gold	10	6934.49
6	Iron Ore	321	50142.48
7	Lead & Zinc Ore	11	7274.25
8	Manganese Ore	217	10503.8
9	Sapphire *	1	673.4
	<b>Total</b>	<b>925</b>	<b>106831.55</b>

\* Precious stone

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional



**Table – 9 : Distribution of Mining Leases for Non-Scheduled Minerals  
As on 31.03.2022 (P)**

<b>S. No.</b>	<b>Mineral</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>
1	Amethyst	2	5.83
2	Apatite	1	13.47
4	Borax	1	159
5	Emerald	1	46.32
6	Epidote	1	4.05
8	Fluorite	10	326.24
9	Garnet	28	154.68
10	Graphite	32	1342.11
11	Iolite	5	61.26
12	Kyanite	14	231.11
13	Limeshell	25	1072.15
14	Limestone	1856	160922.08
15	Magnesite	36	2313.54
17	Moulding Sand	6	39.24
18	Perlite	1	144.88
19	Rock Phosphate	7	1534.24
20	Rock Salt	1	8.12
21	Semi-precious Stones	16	255.04
22	Siliceous Earth	35	271.71
23	Sillimanite	2	33.34
24	Stibnite	1	40.47
25	Selenite	4	625.35
26	Tin	15	319.17
27	Vermiculite	55	951.3
28	Wollastonite	15	302.69
	<b>Total</b>	<b>2170</b>	<b>171177.39</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

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### 3.4 FREQUENCY DISTRIBUTION OF MINING LEASES (P)

The number of mining leases so far executed for various minerals are classified into seven categories:

<b>Category – I :</b>	Includes minerals for which number of mining leases executed are more than 1000;
<b>Category – II :</b>	Includes minerals for which number of mining leases executed are between 501 and 1,000;
<b>Category – III :</b>	Includes minerals for which number of mining leases executed are between 301 and 500;
<b>Category – IV :</b>	Includes minerals for which number of mining leases executed are between 201 and 300;
<b>Category – V :</b>	Includes minerals for which number of mining leases executed are between 101 and 200;
<b>Category – VI :</b>	Includes minerals for which number of mining leases executed are between 51 and 100;
<b>Category – VII :</b>	Includes minerals for which number of mining leases executed are between 1 and 50.

Number of minerals, their mining leases and area of leases covered categorywise are summarised in Table – 10. The frequency distribution of mining leases is given in Table – 11.

**Table – 10 : Categorywise Number of Minerals, their Mining Leases and Area of Leases (P)**

Category	No. of Minerals	No. of Mining Leases		Lease Area	
		No. of Leases	Percentage	Area (In ha)	Percentage
I	1	1856	59.97	160922.08	57.88
II	-	-	-	-	-
III	2	656	21.20	73959.73	26.60
IV	1	217	7.01	10503.8	3.78
V	-	-	-	-	-
VI	1	55	1.78	951.3	0.34
VII	29	311	10.05	31672.03	11.39
<b>Total</b>	<b>34</b>	<b>3095</b>	<b>100.00</b>	<b>278008.94</b>	<b>100.00</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

**Table- 11 : Frequency Distribution of Mining Leases (P)**

<b>Category</b>	<b>Frequency of Leases</b>	<b>Mineral</b>	<b>No. of Leases</b>	<b>Area (In ha)</b>
<b>I</b>	<b>&gt;1000</b>	Limestone	1856	160922.08
		<b>Total</b>	1856	160922.08
<b>II</b>	<b>Between 501 and 1000</b>	Nil	-	-
<b>III</b>	<b>Between 301 and 500</b>	Bauxite	335	23817.25
		Iron ore	321	50142.48
		<b>Total</b>	<b>656</b>	<b>73959.73</b>
<b>IV</b>	<b>Between 201 and 300</b>	Manganese Ore	217	10503.8
		<b>Total</b>	<b>217</b>	<b>10503.8</b>
<b>V</b>	<b>Between 101 and 200</b>	Nil	-	-
<b>VI</b>	<b>Between 51 and 100</b>	Vermiculite	55	951.3
		<b>Total</b>	<b>55</b>	<b>951.3</b>
<b>VII</b>	<b>Between 1 and 50</b>	Amethyst	2	5.83
		Apatite	1	13.47
		Borax	1	159.00
		Chromite	19	3293.07
		Copper Ore	9	3916.85
		Diamond	2	275.96
		Emerald	1	46.32
		Epidote	1	4.05
		Fluorite	10	326.24
		Garnet	28	154.68
		Gold	10	6934.49
		Graphite	32	1342.11
		Iolite	5	61.26
		Kyanite	14	231.11
Lead & Zinc Ore	11	7274.25		

(contd)

Table-11 (Concl'd)

Category	Frequency of Leases	Mineral	No. of Leases	Area (In ha)
VII	Between 1 and 50	Limeshell	25	1072.15
		Magnesite	36	2313.54
		Moulding Sand	6	39.24
		Perlite	1	144.88
		Rock Phosphate	7	1534.24
		Rock Salt	1	8.12
		Sapphire	1	673.4
		Semi-precious Stones	16	255.04
		Siliceous Earth	35	271.71
		Sillimanite	2	33.34
		Stibnite	1	40.47
		Selenite	4	625.35
		Tin	15	319.17
		Wollastonite	15	302.69
		<b>Total</b>	<b>311</b>	<b>31672.03</b>
		<b>Grand Total</b>	<b>3095</b>	<b>278008.94</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

### **3.5 SECTORWISE DISTRIBUTION OF MINING LEASES**

Out of the total 3,095 mining leases in the country, 237 (7.66%) leases have been executed in the Public Sector, extending over an area of about 73,189.23 hectares (26.33%). The remaining 2,858 (92.34%) mining leases with an area of about 2,04,819.71 hectares (73.67%) have been executed in the Private Sector. Some of the Scheduled Minerals, namely, copper Ore, gold, iron Ore, manganese Ore and Non-Scheduled Minerals are being exploited by both Public and Private Sectors.

#### **(a) Central Government Public Sector Undertakings**

There are 94 mining leases under Central Government Public Sector Undertakings executed in 13 States for different minerals, covering an area of about 44,078.52 hectares. The States rich in minerals where maximum number of mining leases executed for Central Govt. Public Sector Undertakings are Madhya Pradesh (20%), Maharashtra (19%), Chhattisgarh (15%), Jharkhand (14%), and Odisha (10%), These five States together account for about 78% of total leases executed under this category and the remaining 8 States account for the rest of the 22%.

The prominent States where maximum mining lease areas are located are Madhya Pradesh (20%), Maharashtra (19%), Jharkhand (16%), Chhattisgarh (15%), Karnataka (7%) Odisha (6%), Himachal Pradesh, Rajasthan & Tamil Nadu (3%). These nine States/UT's account for 94% of the total lease area executed and the remaining four States account for the rest of the 6 percent.

#### **(b) State Government Public Sector Undertakings**

There are 143 number of mining leases executed in 16 States for different minerals, covering an area of 29,110.71 hectares. The States rich in minerals where there are maximum number of mining leases executed are Karnataka 32 (22%), Chhattisgarh 20 (14%), Gujarat 17 (12%), Odisha 16 (11%), Tamil Nadu 15 (10%), Rajasthan 11 (8%), Madhya Pradesh 9 (6%), Jharkhand 6 (4%) and Maharashtra 6 (4%). These nine States/UT's together account for about 92% of the total leases executed and the remaining seven States account for the rest of the 8 percent.

The prominent States/UT's where maximum mining lease areas located are Karnataka (16%), Chhattisgarh (14%), Madhya Pradesh (12%), Maharashtra (10%) Odish & Jharkhand (9% each), Tamil Nadu (8 %), Gujarat (7%), and Rajasthan (6%), These 9 States together account for around 92% of the total lease area executed while the remaining 8 States account for the rest of the 8 percent.

Sectorwise distribution of mining leases in Public/Private Sector and Mineralwise distribution of Mining Leases are given in Tables-12 to 14, respectively.

**Table – 12 : Sectorwise Distribution of Mining Leases (As on 31.03.2022) (Provisional)  
(Public Sector and Private Sector)**

S. No.	State	Total		Public Sector		Private Sector	
		No. of Leases	Area (In ha)	No. of Leases	Area (In ha)	No. of Leases	Area (In ha)
1	Andhra Pradesh	379	25450.49	4	1581.44	375	23869.05
2	Assam	7	889.5	3	371	4	518.5
3	Bihar	1	53.38	0	0	1	53.38
4	Chhattisgarh	175	26210.55	34	9940.69	141	16269.86
5	Goa	9	442.49	0	0	9	442.49
6	Gujarat	440	26836.82	17	3420.99	423	23415.83
7	Haryana	4	46.85	0	0	4	46.85
8	Himachal Pradesh	40	2448.58	3	413.02	37	2035.56
9	Jammu & Kashmir *	37	2020.43	3	1246.8	34	773.63
10	Jharkhand	100	18068.24	21	10841.7	79	7226.54
11	Karnataka	298	33047.05	39	12838.1	259	20208.94
12	Kerala	5	421.65	1	234.94	4	186.71
13	Madhya Pradesh	613	37838.75	28	5461.02	585	32377.73
14	Maharashtra	130	12872.74	24	982.4	106	11890.34
15	Meghalaya	21	789.34	1	139.67	20	649.67
16	Odisha	117	33872.45	22	16334.6	95	17537.87
17	Rajasthan	168	34528.73	14	4891.44	154	29637.287
18	Tamil Nadu	459	9158.7	18	2649.93	441	6508.77
19	Telangana	80	10227.38	3	1662.95	77	8564.43
20	Uttar Pradesh	4	2579.56	0	0	4	2579.56
21	Uttarakhand	7	191.79	1	165.08	6	26.71
22	West Bengal	1	13.47	1	13.47	0	0
	<b>Total</b>	<b>3095</b>	<b>278008.94</b>	<b>237</b>	<b>73189.23</b>	<b>2858</b>	<b>204819.71</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

\*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019.



**Table – 13 : Sectorwise Distribution of Mining Leases (As on 31.03.2022) (P)**  
(Under Central Government and State Governments)

S. No.	State	Central Government		State Government		Total	
		No. of Leases	Area (In ha)	No. of Leases	Area (In ha)	No. of Leases	Area (In ha)
1	Andhra Pradesh	2	1559.54	2	21.9	4	1581.44
2	Assam	1	171	2	200	3	371
3	Chhattisgarh	14	9280.97	20	659.72	34	9940.69
4	Gujarat	0	0	17	3420.99	17	3420.99
5	Himachal Pradesh	3	413.02	0	0	3	413.02
6	Jammu & Kashmir *	0	0	3	1246.8	3	1246.8
7	Jharkhand	15	9246.86	6	1594.84	21	10841.7
8	Karnataka	7	6739.74	32	6098.37	39	12838.1
9	Kerala	0	0	1	234.94	1	234.94
10	Madhya Pradesh	19	4796.27	9	664.75	28	5461.02
11	Maharashtra	18	752.8	6	229.6	24	982.4
12	Meghalaya	0	0	1	139.67	1	139.67
13	Odisha	6	8031.68	16	8302.9	22	16334.6
14	Rajasthan	3	706.75	11	4184.69	14	4891.44
15	Tamil Nadu	3	761.86	15	1888.07	18	2649.93
16	Telangana	2	1452.95	1	210	3	1662.95
17	Uttarakhand	1	165.08	0	0	1	165.08
18	West Bengal	0	0	1	13.47	1	13.47
	<b>Total</b>	<b>94</b>	<b>44078.52</b>	<b>143</b>	<b>29110.71</b>	<b>237</b>	<b>73189.23</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

\*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019.

**Table-14: Summary of Lease Distribution in Public Sector  
(As on 31.3.2022) (P)  
(By States/Districts/Minerals)**

(Area in ha)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
<b>Andhra Pradesh</b>	Krishna	Limestone	1	1295	0	0	1	1295
	Nellore	Moulding Sand	0	0	1	13.18	1	13.18
	Visakhapatnam	Limestone	0	0	1	8.72	1	8.72
	Vizianagaram	Manganese Ore	1	264.54	0	0	1	264.54
	<b>Total</b>		<b>2</b>	<b>1559.54</b>	<b>2</b>	<b>21.9</b>	<b>4</b>	<b>1581.44</b>
<b>Assam</b>	Karbi Anglong	Limestone	1	171	0	0	1	171
	North Cachar Hills	Limestone	0	0	2	200	2	200
	<b>Total</b>		<b>1</b>	<b>171</b>	<b>2</b>	<b>200</b>	<b>3</b>	<b>371</b>
<b>Chhattisgarh</b>	Balod	Iron Ore	4	2562.69	0	0	4	2562.69
	Balrampur	Bauxite	1	257.92	0	0	1	257.92
	Dantewada	Iron Ore	6	2967.16	0	0	6	2967.16
	Durg	Limestone	1	526.34	0	0	1	526.34
	Jashpur	Bauxite	0	0	2	40.61	2	40.61
	Kanker	Iron Ore	2	2966.86	1	166.8	3	3133.66
	Kabirdham	Bauxite	0	0	1	5.31	1	5.31
	Sukma	Tin	0	0	5	172.42	5	172.42
	Surguja	Bauxite	0	0	11	274.58	11	274.58
	<b>Total</b>		<b>14</b>	<b>9280.97</b>	<b>20</b>	<b>659.72</b>	<b>34</b>	<b>9940.69</b>
<b>Gujarat</b>	Banaskantha	Lead & Zn Ore	0	0	1	184.98	1	184.98
	Vadodara	Fluorite	0	0	2	63.2	2	63.2
	Devbhoomo Dwarka	Bauxite	0	0	2	189.79	2	189.79
	Kachchh	Bauxite	0	0	10	1938.58	10	1938.58
	Surat	Limestone	0	0	2	1044.44	2	1044.44
	<b>Total</b>		<b>0</b>	<b>0</b>	<b>17</b>	<b>3420.99</b>	<b>17</b>	<b>3420.99</b>

(Contd)

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
<b>Himachal Pradesh</b>	Mandi	Rock salt	1	8.12	0	0	1	8.12
	Sirmur	Limestone	1	172.30	0	0	1	172.30
	Solan	Limestone	1	232.60	0	0	1	232.60
		<b>Total</b>	<b>3</b>	<b>413.02</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>413.02</b>
<b>Jammu &amp; Kashmir *</b>	Kishtwar	Sapphire	0	0	1	673.40	1	673.40
	Pulwama	Limestone	0	0	1	88.10	1	88.10
	Reasi	Magnesite	0	0	1	485.30	1	485.30
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1246.8</b>	<b>3</b>	<b>1246.8</b>
<b>Jharkhand</b>	Palamu	Graphite	0	0	1	223.44	1	223.44
		Limestone	0	0	1	1043.41	1	1043.41
	Ranchi	Limestone	0	0	2	239.52	2	239.52
	Singhbhum (East)	Copper Ore	3	2313.37	0	0	3	2313.37
		Kyanite	0	0	2	88.47	2	88.47
	Singhbhum (West)	Iron Ore	12	6933.49	0	0	12	6933.49
		<b>Total</b>	<b>15</b>	<b>9246.86</b>	<b>6</b>	<b>1594.84</b>	<b>21</b>	<b>10841.7</b>
<b>Karnataka</b>	Bagalkot	Limestone	0	0	11	3444.25	11	3444.25
	Belagavi	Limestone	0	0	0	0	0	0
	Ballari	Iron Ore	2	1245.04	5	360.47	7	1605.51
	Chitradurga	Copper Ore	0	0	2	416.83	2	416.83
	Kalaburgi	Gold	0	0	1	55.76	1	55.76
		Limestone	3	241.36	0	0	3	241.36
	Hassan	Chromite	0	0	5	691.41	5	691.41
	Kolar	Gold	1	5213.22	0	0	1	5213.22
	Mysuru	Magnesite	0	0	3	136.01	3	136.01
	Uttara Kannada	Manganese Ore	0	0	0	0	0	0

\*:- Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019.

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Karnataka	Raichur	Gold	0	0	5	993.64	5	993.64
	Shimoga	Limestone	1	40.12	0	0	1	40.12
		<b>Total</b>	<b>7</b>	<b>6739.74</b>	<b>32</b>	<b>6098.37</b>	<b>39</b>	<b>12838.11</b>
Kerala	Palakkad	Limestone	0	0	1	234.94	1	234.94
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>234.94</b>	<b>1</b>	<b>234.94</b>
Madhya Pradesh	Anuppur	Bauxite	0	0	1	148.18	1	148.18
	Balaghat	Copper Ore	1	479.9	0	0	1	479.9
		Manganese Ore	10	879.47	0	0	10	879.47
	Chhatarpur	Rock Phosphate	0	0	1	48.76	1	48.76
	Jhabua	Rock Phosphate	0	0	3	49.11	3	49.11
	Katni	Limestone	2	1036.03	0	0	2	1036.03
	Neemuch	Limestone	2	500.45	0	0	2	500.45
	Panna	Diamond	2	275.96	0	0	2	275.96
	Rewa	Bauxite	0	0	1	4.9	1	4.9
	Sagar	Rock Phosphate	0	0	1	52.8	1	52.8
	Satna	Bauxite	0	0	2	361	2	361
		Limestone	2	1624.46	0	0	2	1624.46
		<b>Total</b>	<b>19</b>	<b>4796.27</b>	<b>9</b>	<b>664.75</b>	<b>28</b>	<b>5461.02</b>
Maharashtra	Bhandara	Kyanite	0	0	1	40.61	1	40.61
		Manganese Ore	5	324.44	0	0	5	324.44
		Sillimanite	0	0	1	28.7	1	28.7
	Chandrapur	Fluorite	0	0	1	31.22	1	31.22
	Gondia	Iron Ore	0	0	1	9.32	1	9.32
	Nagpur	Manganese Ore	13	428.36	0	0	13	428.36
	Yavatmal	Limestone	0	0	2	119.75	2	119.75
		<b>Total</b>	<b>18</b>	<b>752.8</b>	<b>6</b>	<b>229.6</b>	<b>24</b>	<b>982.4</b>

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Meghalaya	Khasi Hills East	Limestone	0	0	1	139.67	1	139.67
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>139.67</b>	<b>1</b>	<b>139.67</b>
Odisha	Dhenkanal	Chromite	0	0	0	0	0	0
	Jajpur	Chromite	0	0	3	1169.11	3	1169.11
		Iron Ore	0	0	1	1018.01	1	1018.01
		Ruby	0	0	0	0	0	0
	Kalahandi	Chromite	0	0	1	139.98	1	139.98
		Iron Ore	1	1321.45	8	4049.59	9	5371.04
	Keonjhar	Manganese Ore	1	1586.36	0	0	1	1586.36
		Bauxite	2	1843.52	1	428.31	3	2271.83
		Limestone	0	0	1	285.43	1	285.43
	Nawapara	Limestone	0	0	0	0	0	0
	Raygada	Manganese Ore	0	0	0	0	0	0
	Sundargarh	Bauxite	0	0	0	0	0	0
		Iron Ore	1	2486.38	1	1212.47	2	3698.85
		Limestone	1	793.97	0	0	1	793.97
		<b>Total</b>	<b>6</b>	<b>8031.68</b>	<b>16</b>	<b>8302.9</b>	<b>22</b>	<b>16334.58</b>
Rajasthan	Barmar	Selenite	0	0	2	389.85	2	389.85
	Bikaner	Selenite	0	0	1	145	1	145
	Jaisalmer	Limestone	0	0	2	1998.4	2	1998.4
	Jalore	Fluorite	0	0	4	218.07	4	218.07
	Jhunjhunu	Copper Ore	3	706.75	0	0	3	706.75
	Sirohi	Lead & Zinc Ore	0	0	1	63	1	63

Table-14 (concl'd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Rajasthan	Udaipur	Phosphorite	0	0	1	1370.37	1	1370.37
		<b>Total</b>	<b>3</b>	<b>706.75</b>	<b>11</b>	<b>4184.69</b>	<b>14</b>	<b>4891.44</b>
Tamil Nadu	Ariyalur	Limestone	0	0	6	624.33	6	624.33
	Salem	Magnesite	3	761.86	1	96.34	4	858.2
	Sivagangai	Graphite	0	0	2	241.92	2	241.92
	Tirunelveli	Limestone	0	0	2	31.89	2	31.89
	Vellore	Vermiculite	0	0	1	23.71	1	23.71
	Virudhunagar	Limestone	0	0	3	869.88	3	869.88
		<b>Total</b>	<b>3</b>	<b>761.86</b>	<b>15</b>	<b>1888.07</b>	<b>18</b>	<b>2649.93</b>
Telangana	Adilabad	Limestone	1	839.37	1	210	2	1049.37
	Rangareddy	Limestone	1	613.58	0	0	1	613.58
		<b>Total</b>	<b>2</b>	<b>1452.95</b>	<b>1</b>	<b>210</b>	<b>3</b>	<b>1662.95</b>
Uttarakhand	Bageshwar	Magnesite	1	165.08	-	-	1	165.08
		<b>Total</b>	<b>1</b>	<b>165.08</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>165.08</b>
West Bengal	Purulia	Apatite	-	-	1	13.47	1	13.47
		<b>Total</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>13.47</b>	<b>1</b>	<b>13.47</b>

**Sources:** Information received from respective State Government Departments and Regional Offices of IBM for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals).

P: Provisional

## Prospecting Licences or Composite Licences

Under the Mines & Minerals (Development & Regulation) Act, 1957, “Prospecting Licence” (PL) means a licence granted for the purpose of undertaking “prospecting operations”. Prospecting operations mean any operation undertaken for the purpose of exploring, locating or proving mineral deposits. The State Governments and Union Territories are empowered to grant/execute/renew/revoke prospecting licences (PL) and composite licence (A prospecting licence-cum-mining lease as defined in the Act, i.e., having two stage concession granted for purpose of undertaking prospecting operations followed by mining operations) under provisions of Minerals (other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. As per Section 6(1)(a) of Mines and Minerals (Development and Regulation) Amendment Act, 2015, no person shall acquire in respect of any mineral or prescribed group of associated minerals [in a State] – one or more prospecting licences covering a total area of more than twenty-five square kilometers.

### 4.1 STATEWISE DISTRIBUTION OF PROSPECTING LICENCE OR COMPOSITE LICENCES (PROSPECTING LICENCE-CUM-MINING LEASE)

“Composite Licences or prospecting licence-cum-mining lease” means a two stage concession granted for the purpose of undertaking prospecting operations followed by mining operation”.

As per information available on Ministry of Mines website, details of number of “Composite License” granted during the year 2021-22 (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) have been furnished in the **Table No. 15 & 16**.

### 4.2 MINERALWISE DISTRIBUTION OF PROSPECTING LICENCES

Mineralwise distribution of prospecting licences or composite licences granted for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) for the year 2019-20 to 2021-22 is furnished in **Table16**.

**Table-15: Prospecting Licences (PL)/ Composite licence (CL) Granted from 2019-20 to 2021-22 (P)  
(By States)**

State	2019-20		2020-21		2021-22	
	No.	Area (ha)	No.	Area (ha)	No.	Area (ha)
Andhra Pradesh	-	-	-	-	07(CL)	2839
Assam	-	-	-	-	-	-
Bihar	-	-	-	-	-	-
Chhattisgarh	-	-	-	-	03(CL)	408.11
Goa	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-
Himachal Pradesh	-	-	-	-	-	-
Haryana	-	-	-	-	-	-
Jammu & Kashmir *	-	-	-	-	-	-
Jharkhand	-	-	-	-	-	-
Karnataka	-	-	-	-	05(CL)	3954,52
Kerala	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	07(CL)	707.02
Maharashtra	01	6.789	02(CL)	1584.91	08(CL)	6474.19
Odisha	-	-	-	-	-	-
Rajasthan	-	-	-	-	04(CL)	1589.48
Sikkim	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-
Telangana	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	02(CL)	349
Uttarakhand	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-
All India	-	-	-	-	-	-

**Sources:** Information compiled for the 2021-22 from Ministry of Mines website.

P: Provisional, \*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019.



**Table-16: Prospecting Licences (PL)/ Composite licence (CL) Granted from 2019-20 to 2021-22 (P)**

**(By Minerals)**

State	2019-20		2020-21		2021-22	
	No.	Area (ha)	No.	Area (ha)	No.	Area (ha)
Amethyst	-	-	-	-	-	-
Apatite	-	-	-	-	-	-
Aquamarine	-	-	-	-	-	-
Bauxite	-	-	-	-	02(CL)	18.75
Borax	-	-	-	-	-	-
Chromite	-	-	-	-	-	-
Copper ore	-	-	02 (CL)	1584.91	01 (CL)	917.42
Diamond	-	-	-	-	-	-
Emerald	-	-	-	-	-	-
Epidote	-	-	-	-	-	-
Flint stone	-	-	-	-	-	-
Fluorite	-	-	-	-	-	-
Garnet	-	-	-	-	-	-
Gold	-	-	-	-	02(CL)	2511.07
Graphite	-	-	-	-	-	-
Iolite	-	-	-	-	-	-
Iron ore	-	-	-	-	09(CL)	5988.79
Kyanite	-	-	-	-	-	-
Lead & zinc ore	-	-	-	-	-	-
Limeshell	-	-	-	-	-	-
Limestone	01 (PL)	6.789	-	-	04(CL)	2049.45
Magnesite	-	-	-	-	-	-
Manganese ore	-	-	-	-	14(CL)	4417.48
Marl	-	-	-	-	-	-
Moulding sand	-	-	-	-	-	-
Perlite	-	-	-	-	-	-
Rock phosphate	-	-	-	-	04(CL)	418.36
Rock salt	-	-	-	-	-	-
Ruby	-	-	-	-	-	-
Sapphire	-	-	-	-	-	-
Semi-precious stones	-	-	-	-	-	-
Siliceous earth	-	-	-	-	-	-
Sillimanite	-	-	-	-	-	-
Stibnite	-	-	-	-	-	-
Tin	-	-	-	-	-	-
Vermiculite	-	-	-	-	-	-
White shale	-	-	-	-	-	-
Wollastonite	-	-	-	-	-	-

**Sources: Sources:** Information compiled for the 2021-22 from Ministry of Mines website.

P: Provisional, \*: Jammu & Kashmir has been declared as on Union Territory consequent upon Jammu and Kashmir Reorganisation Act, 2019.

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