

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

खनन पट्टों एवं पूर्वक्षण अनुज्ञापत्रों 2021 की बुलेटिन

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

Bulletin of
MINING LEASES & PROSPECTING LICENCES, 2021
(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

Disclaimer

This bulletin is a precise compilation of All India Mining Lease Directory as on 31.3.2021(P) which is a provisional database. The tabular data is reproduced with due care as a general information. The Mining Lease Directory is based on the data supplied by State Governments under the statutory Rule 59(2) of Minerals (Other than Atomic, Hydrocarbons Energy Minerals) Concession Rules, 2016 and the data received from Regional Offices of IBM. The source of information is considered reliable. However, no guarantee is expressed or implied regarding accuracy, adequacy, completeness, legality, usefulness of the information. IBM shall not be responsible for any tort or liability arising out of or in connection with the use of data. The disclaimer applies to use of information in isolated or aggregate terms. The data is provided on "as is" basis and assumes no responsibility for errors or omissions. IBM reserves the right to make additions, deletions or modifications to the content/information any time without prior notice as the validation of data is a continuous process. Also, the Bureau does not warrant that the website is free of viruses and shall not be liable for any damage that could be directly or indirectly caused on browsing it.

INDIAN BUREAU OF MINES

Sanjay Lohiya, IAS
Additional Secretary &
Controller General (In-charge)

MINERAL ECONOMICS DIVISION

D. S. WALDE
Chief Mineral Economist

P. MISHRA
Mineral Economist (Int.)

A. D. SELOKAR
Mineral Economist (Int.)

PUBLICATION SECTION

M. SUMESH
Chief Editor

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 Prospecting Licences are regularly published based on this Directory.

The Bulletin of Mining Leases and Prospecting Licences 2021 (Excluding Atomic Minerals, Hydrocarbon Energy Minerals and Minor Minerals) is the 24th edition under the series. It contains information on Mining Leases (ML), Prospecting Licences (PL) and Composite Licences (PL cum ML) as on 31.3.2021. 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 31.3.2021, 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

Contents

1.	INTRODUCTION	1
2.	LAND USE SCENARIO	3
3.	MINING LEASES	4
	3.1 Statewise Analysis	4
	3.2 Districtwise Analysis	38
	3.3 Mineralwise Analysis	41
	3.4 Frequency Distribution	45
	3.5 Sectorwise Distribution	49
4.	PROSPECTING LICENCES OR COMPOSITE LICENCES	58
	4.1 Statewise Distribution of Prospecting Licences or Composite Licences	58
	4.2 Mineralwise Distribution of Prospecting Licences	58

List of Tables

Table – 1	Statewise Summary of Mining Lease Distribution as on 31.03.2021 (P)	5
Table – 2	Mineralwise Summary of Mining Lease Distribution as on 31.03.2021 (P)	6
Table – 3	Statewise/Mineralwise Distribution of Mining Lease as on 31.3.2021 (P)	7
Table – 4	Statewise/Districtwise /Mineral wise Distribution of Mining Leases as on 31.3.2021 (P)	13
Table – 5	High Mineral Potential Districts (P)	39
Table – 6	Medium Mineral Potential Districts (P)	39
Table – 7	Low Mineral Potential Districts (P)	40
Table – 8	Distribution of Mining Leases for Scheduled Minerals as on 31.03.2021(P)	42
Table – 9	Distribution of Mining Leases for Non-Scheduled Minerals as on 31.03.2021 (P)	43-44
Table – 10	Category wise Number of Minerals, their Mining Leases and Area of Leases (P)	46
Table – 11	Frequency Distribution of Mining Leases (P)	47-48
Table – 12	Sector wise Distribution of Mining Leases (As on 31.03.2021) (Provisional) (Public Sector and Private Sector)	51
Table – 13	Sectorwise Distribution of Mining Leases (As on 31.03.2021 (P) (Under Central Government and State Governments)	52
Table – 14	Summary of Lease Distribution in Public Sector (As on 31.3.2021) (P)	53-57
Table – 15	Prospecting Licences (PL)/ Composite licence (CL) Granted from 2018-19 to 2020-21 (P) (By States)	59
Table – 16	Prospecting Licences (PL)/ Composite licence (CL) Granted from 2018-19 to 2020-21 (P) (By Minerals)	60

Introduction

India is endowed with a wide variety of naturally occurring minerals. The country has a total geographical area of 328.73 million hectares. Of this, the mining lease area, except for fuel, atomic minerals and all minor minerals, constitutes around 0.09% (3,06,398.76 hectares). The position of mining leases as on 31.3.2021(P) reveals that there are as many as 3,314 mining leases (excluding coal, lignite, petroleum, natural gas, atomic minerals and minor minerals) granted in the country by the State Governments covering 38 minerals with a total lease area of about 3,06,398.76 hectares and that which are spread over 23 States/UTs. These 38 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 30th 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 328.73 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
	Total Geographical Area	328.73	100.00
1	Net Area Sown (Crop Area)	139.35	42.39
2	Permanent Pastures & other Grazing Land	10.38	3.16
3	Forest	72.01	21.91
4	Mining Lease Area*	0.31	0.09
5	Fallow Lands	26.16	7.96
6	Land not Available for Cultivation	44.51	13.54
7	Other Area	36.01	10.95

Source: Agricultural Statistic At a Glance, 2021, Directorate of Economics & Statistics, Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare

*: ML Directory as on 31.03.2021(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 3,06,398.76 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 31.3.2021 (Provisional), there were 3,314 mining leases granted by State Governments for 38 different minerals, covering an area of 3,06,398.76 hectares in the country. States rich in minerals where maximum number of mining leases were granted are Madhya Pradesh (22%) followed by Tamil Nadu (14%), Gujarat (13%), Andhra Pradesh (12%), Karnataka (9%), Chhattisgarh, Maharashtra, Odisha & Rajasthan (5% each), Jharkhand (4%) and Telangana (2%). These eleven States together account for about 96% of the total leases executed and the remaining twelve 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 Odisha (16%) followed by Madhya Pradesh (14%), Karnataka & Rajasthan (11% each), Andhra Pradesh & Gujarat (9% each), Chhattisgarh (8%) Jharkhand (6%), Maharashtra (5%), and Telangana & Tamil Nadu (3% each). These eleven States account for about 97% of the total mining lease area granted and the remaining 3 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 31.03.2021 (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 31.03.2021 (P)
(All India)

State	No. of Leases	Percentage	Area (In ha)	Percentage
Andhra Pradesh	400	12.07	26743.81	8.73
Assam	7	0.21	889.50	0.29
Bihar	1	0.03	53.38	0.02
Chhattisgarh	181	5.46	25062.33	8.18
Goa	11	0.33	528.49	0.17
Gujarat	415	12.52	27535.80	8.99
Himachal Pradesh	42	1.27	2459.78	0.80
Haryana	4	0.12	46.85	0.02
Jammu & Kashmir *	37	1.12	2020.43	0.66
Jharkhand	122	3.68	19902.95	6.50
Karnataka	313	9.44	34984.36	11.42
Kerala	5	0.15	432.40	0.14
Meghalaya	21	0.63	789.34	0.26
Madhya Pradesh	714	21.54	44342.37	14.47
Maharashtra	164	4.95	14540.58	4.75
Odisha	154	4.65	49587.23	16.18
Rajasthan	163	4.92	33561.83	10.95
Sikkim	3	0.09	96.32	0.03
Tamil Nadu	463	13.97	9170.16	2.99
Telangana	82	2.47	10485.40	3.42
Uttar Pradesh	4	0.12	2960.19	0.97
Uttarakhand	7	0.21	191.79	0.06
West Bengal	1	0.03	13.47	0.00
All India	3314	100	306398.76	100

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-2: MineralWise Summary of Mining Lease Distribution
(Other than Atomic, Hydrocarbons Energy & Minor Minerals)
As on 31.03.2021 (P)
(All India)

Sl. No.	Mineral	No. of Leases	Lease Area (ha)
1	Amethyst	2	5.83
2	Apatite	1	13.47
3	Aquamarine	1	24.29
4	Bauxite	352	26082.24
5	Borax	1	159
6	Chromite	24	7629.79
7	Copper ore	13	4198.05
8	Diamond	2	275.96
9	Emerald	1	46.32
10	Epidote	1	4.05
11	Flint stone	2	11.78
12	Fluorite	10	326.24
13	Garnet	30	176.95
14	Gold	10	6934.25
15	Graphite	38	1557.85
16	Iolite	5	61.79
17	Iron ore	359	56020.35
18	Kyanite	18	635.85
19	Lead & zinc ore	8	7098.2
20	Limeshell	22	1719.69
21	Limestone	1960	171079.05
22	Magnesite	35	2308.65
23	Manganese ore	249	14340.48
24	Marl	5	857.29
25	Moulding sand	5	28.94
26	Perlite	1	144.88
27	Rock phosphate	8	1694.01
28	Rock salt	1	8.12
29	Ruby	1	27.66
30	Sapphire	1	673.4
31	Semi-precious stones	17	276.85
32	Siliceous earth	39	271.57
33	Sillimanite	1	4.64
34	Stibnite	1	40.47
35	Tin	15	319.17
36	Vermiculite	56	892.75
37	White shale	4	146.18
38	Wollastonite	15	302.7
	Total	3314	306398.76

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 – 3: Statewise/Mineral wise Distribution of Mining Lease
As on 31.3.2021 (P)**

State	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh	Garnet	4	4.71
	Gold	1	597.82
	Iron ore	57	1904.97
	Limeshell	3	79.58
	Limestone	230	22300.83
	Manganese ore	38	750.83
	Moulding sand	1	13.18
	Semi-precious stones	13	124.6
	Vermiculite	49	821.11
	White shale	4	146.18
	Total	400	26743.81
Assam	Limestone	7	889.50
	Total	7	889.50
Bihar	Limestone	1	53.38
	Total	1	53.38
Chhattisgarh	Bauxite	26	5665.05
	Graphite	1	67.11
	Iron ore	24	8348.63
	Limestone	112	10665.61
	Moulding Sand	4	15.76
	Tin Ore	14	300.17
	Total	181	25062.33

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
Goa	Bauxite	1	40.92
	Iron Ore	10	487.57
	Total	11	528.49
Gujarat	Bauxite	138	5042.46
	Copper ore	1	184.98
	Fluorite	2	63.2
	Limestone	267	21240.04
	Manganese ore	1	2.95
	Marl	5	857.29
	Perlite	1	144.88
	Total	415	27535.8
Haryana	Limestone	4	46.85
	Total	4	46.85
Himachal Pradesh	Limestone	41	2451.66
	Rock Salt	1	8.12
	Total	42	2459.78
Jammu & Kashmir *	Borax	1	159
	Limestone	34	702.73
	Magnesite	1	485.3
	Sapphire	1	673.4
	Total	37	2020.43

*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)
Jharkhand	Bauxite	45	4448.56
	Copper Ore	3	2313.37
	Flint Stone	2	11.78
	Garnet	1	8.2
	Gold	2	74.05
	Graphite	16	510.91
	Iron Ore	17	8761.71
	Kyanite	5	297.92
	Limestone	31	3476.45
	Total	122	19902.95
Karnataka	Bauxite	3	210.16
	Chromite	4	672.79
	Copper ore	2	416.53
	Gold	7	6262.38
	Graphite	4	235.03
	Iron ore	84	7622.4
	Kyanite	3	28.02
	Limeshell	16	1536.1
	Limestone	143	16287.39
	Magnesite	7	157.35
	Manganese ore	38	1547.9
	Vermiculite	2	8.31
	Total	313	34984.36
Kerala	Graphite	1	1.25
	Iron Ore	1	86.06
	Limeshell	2	99.4
	Limestone	1	245.69
	Total	5	432.4

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
Madhya Pradesh	Bauxite	92	1512.51
	Copper Ore	1	480.1
	Diamond	2	275.96
	Iron Ore	46	486.37
	Lead & Zinc Ore	1	8.93
	Limestone	473	39592.06
	Manganese Ore	92	1782.1
	Rock Phosphate	6	163.87
	Stibnite	1	40.47
	Total	714	44342.37
Maharashtra	Bauxite	36	4576.57
	Fluorite	1	31.22
	Iron Ore	32	1754.44
	Kyanite	7	155.91
	Limestone	47	6946.22
	Manganese Ore	41	1076.22
	Total	164	14540.58
Meghalaya	Limestone	20	784.7
	Sillimanite	1	4.64
	Total	21	789.34

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
Odisha	Aquamarine	1	24.29
	Bauxite	6	4046.12
	Chromite	20	6957
	Garnet	2	67.06
	Graphite	10	467.8
	Iolite	5	61.79
	Iron ore	67	24322.7
	Limestone	14	4985.29
	Manganese ore	23	8456.27
	Ruby	1	27.66
	Semi-precious stones	4	152.25
	Tin	1	19
	Total	154	49587.23
	Rajasthan	Bauxite	1
Copper Ore		3	706.75
Emerald		1	46.32
Epidote		1	4.05
Fluorite		7	231.82
Garnet		19	87.36
Iron Ore		16	2199.07
Kyanite		3	154
Lead & Zinc Ore		7	7089.27
Limestone		42	20747.07
Magnesite		2	10
Manganese Ore		1	18.89
Rock Phosphate		2	1530.14
Siliceous Earth		39	271.57
Vermiculite		4	39.62
Wollastonite		15	302.7
Total		163	33561.83

(contd)

Table-3 (contd)

State	Mineral	No. of Leases	Area (In ha)
Sikkim	Copper Ore	3	96.32
	Total	3	96.32
Tamil Nadu	Bauxite	4	416.69
	Graphite	6	275.75
	Limeshell	1	4.61
	Limestone	430	6971.03
	Magnesite	21	1478.37
	Vermiculite	1	23.71
	Total	463	9170.16
Telangana	Amethyst	2	5.83
	Garnet	4	9.62
	Iron Ore	5	46.43
	Limestone	56	9718.2
	Manganese Ore	15	705.32
	Total	82	10485.4
Uttar Pradesh	Limestone	4	2960.19
	Total	4	2960.19
Uttarakhand	Limestone	3	14.16
	Magnesite	4	177.63
	Total	7	191.79
West Bengal	Apatite	1	13.47
	Total	1	13.47

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 31.3.2021 (P)**

State	District	Mineral	No. of Leases	Area (In ha)
Andhra Pradesh	Anantapur	Iron Ore	8	196.59
		Limestone	31	1289.12
		White Shale	1	7.02
		Total	40	1492.73
	Cuddapah	Iron Ore	11	1011.53
		Limestone	23	3781.59
		White Shale	3	139.16
		Total	37	4932.28
	Guntur	Limestone	34	5412.89
		Total	34	5412.89
	Krishna	Iron Ore	5	25.57
		Limestone	13	3210.31
		Total	18	3235.88
	Kurnool	Gold	1	597.82
		Iron Ore	28	415.08
		Limestone	125	8590.20
		Total	154	9603.10
	Nellore	Iron Ore	2	222.22
		Limeshell	2	75.58
		Moulding Sand	1	13.18
		Vermiculite	49	821.11
		Total	54	1132.09
	Prakasam	Garnet	4	4.71
Iron Ore		3	33.98	
Total		7	38.69	

(contd)

Table-4 (Contd)

State	District	Mineral	No. of Leases	Area (In ha)
Andhra Pradesh	Srikakulam	Limeshell	1	4.00
		Total	1	4.00
	Visakhapatnam	Limestone	4	16.72
		Semi-precious Stones	13	124.60
		Total	17	141.32
	Vizianagaram	Manganese Ore	38	750.83
Total		38	750.83	
Assam	Karbi Anglong	Limestone	1	171.00
		Total	1	171.00
	North Cachar Hills	Limestone	6	718.50
		Total	6	718.50
Bihar	Rohtas	Limestone	1	53.38
		Total	1	53.38
Chhattisgarh	Balod	Iron Ore	4	2562.69
		Total	4	2562.69
	Baloda Bazar	Limestone	27	5973.18
		Total	27	5973.18
	Balrampur	Bauxite	4	4000.55
		Graphite	1	67.11
Total		5	4067.66	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Chhattisgarh	Bastar	Limestone	15	51.67
		Total	15	51.67
	Bemetara	Limestone	1	17.90
		Total	1	17.90
	Bilaspur	Limestone	3	1788.62
		Total	3	1788.62
	Dantewada	Iron Ore	7	2998.71
		Tin	7	99.81
		Total	14	3098.52
	Durg	Limestone	46	1598.28
		Moulding Sand	2	8.08
		Total	48	1606.36
	Janjgir-Champa	Limestone	3	713.32
		Total	3	713.32
	Jashpur	Bauxite	2	40.61
		Total	2	40.61
	Kabirdham	Bauxite	3	669.64
		Limestone	2	13.76
		Total	5	683.40
	Kanker	Bauxite	3	13.22
		Iron Ore	10	2404.27
Total		13	2417.49	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Chhattisgarh	Kondagaon	Bauxite	2	27.28
		Total	2	27.28
	Narayanpur	Iron Ore	1	192.25
		Total	1	192.25
	Raigarh	Limestone	1	7.41
		Total	1	7.41
	Raipur	Limestone	14	501.47
		Total	14	501.47
	Rajnandgaon	Iron Ore	2	190.71
		Moulding Sand	2	7.68
		Total	4	198.39
	Sukma	Tin	7	200.36
		Total	7	200.36
	Surguja	Bauxite	12	913.75
Total		12	913.75	
Goa	North Goa	Iron Ore	4	158.62
		Total	4	158.62
	South Goa	Bauxite	1	40.92
		Iron Ore	6	328.95
		Total	7	369.87

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Gujarat	Amreli	Bauxite	1	12.68
		Limestone	7	2736.09
		Total	8	2748.77
	Aravali	Bauxite	4	16.39
		Total	4	16.39
	Banaskantha	Copper Ore	1	184.98
		Limestone	1	3.76
		Total	2	188.74
	Bhavnagar	Limestone	7	2971.03
		Total	7	2971.03
	Chhota Udaipur	Fluorite	2	63.20
		Total	2	63.20
	Devbhoomi Dwarka	Bauxite	105	2768.07
		Limestone	32	1196.53
		Marl	3	13.45
		Total	140	3978.05
	Gir Somnath	Limestone	69	3647.68
		Marl	1	200.82
		Total	70	3848.50
	Jamnagar	Limestone	26	1672.01
		Total	26	1672.01
	Junagarh	Limestone	16	203.69
		Total	16	203.69

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Gujarat	Kheda	Bauxite	10	63.57
		Total	10	63.57
	Kachchh	Bauxite	11	2049.46
		Limestone	8	5681.88
		Total	19	7731.34
	Panchmahals	Manganese Ore	1	2.95
		Total	1	2.95
	Porbandar	Bauxite	6	112.29
		Limestone	96	2070.93
		Marl	1	643.02
		Total	103	2826.24
	Rajkot	Limestone	3	12.00
		Perlite	1	144.88
		Total	4	156.88
	Sabarkantha	Bauxite	1	20.00
		Total	1	20.00
	Surat	Limestone	2	1044.44
Total		2	1044.44	
Haryana	Mahendragarh	Limestone	4	46.85
		Total	4	46.85
Himachal Pradesh	Bilaspur	Limestone	1	231.25
		Total	1	231.25

(contd)

Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Himachal Pradesh	Mandi	Limestone	1	725.86	
		Rock Salt	1	8.12	
		Total	2	733.98	
	Sirmur	Limestone	36	468.47	
		Total	36	468.47	
	Solan	Limestone	3	1026.08	
		Total	3	1026.08	
	Jammu & Kashmir *	Anantnag	Limestone	22	216.18
			Total	22	216.18
Kishtwar		Sapphire	1	673.40	
		Total	1	673.40	
Leh		Borax	1	159.00	
		Total	1	159.00	
Pulwama		Limestone	9	249.41	
		Total	9	249.41	
Reasi	Magnesite	1	485.30		
	Total	1	485.30		
Srinagar	Limestone	3	237.14		
	Total	3	237.14		
Jharkhand	Bokaro	Limestone	1	17.57	
		Total	1	17.57	
	Gumla	Bauxite	28	3337.39	
	Total	28	3337.39		

*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	Hazaribagh	Garnet	1	8.20
		Total	1	8.20
	Latehar	Bauxite	2	476.01
		Graphite	1	7.22
		Total	3	483.23
	Lohardaga	Bauxite	15	635.16
		Total	15	635.16
	Palamu	Graphite	15	503.69
		Iron Ore	1	20.52
		Limestone	2	1111.71
		Total	18	1635.92
	Ramgarh	Limestone	4	87.43
		Total	4	87.43
	Ranchi	Limestone	4	1289.21
		Total	4	1289.21
	Sahebganj	Flint Stone	2	11.78
		Total	2	11.78
	Saraikela-Kharaswan	Kyanite	2	202.22
		Total	2	202.22
	Singhbhum (East)	Copper Ore	3	2313.37
Gold		2	74.05	
Kyanite		3	95.70	
Total		8	2483.12	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Jharkhand	Singhbhum (West)	Iron Ore	16	8741.19
		Limestone	20	970.53
		Total	36	9711.72
Karnataka	Bagalkot	Iron Ore	3	65.51
		Limestone	89	5462.36
		Total	92	5527.87
	Belgavi	Bauxite	3	210.16
		Iron Ore	1	20.23
		Limestone	17	1440.52
		Manganese Ore	1	40.47
		Total	22	1711.38
	Ballari	Iron Ore	64	6725.71
		Manganese Ore	2	27.30
		Total	66	6753.01
	Chikmagalur	Iron Ore	1	4.89
		Total	1	4.89
	Chitradurga	Copper Ore	2	416.53
		Iron Ore	8	468.81
		Limestone	14	1627.89
		Manganese Ore	17	758.85
		Total	41	3272.08

(contd)

Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka	Davanagere	Manganese Ore	4	79.51
		Total	4	79.51
	Gadag	Iron Ore	1	39.42
		Total	1	39.42
	Kalaburgi	Gold	1	55.73
		Limestone	18	7319.93
		Total	19	7375.66
	Hassan	Chromite	4	672.79
		Kyanite	1	2.93
		Total	5	675.72
	Kolar	Gold	1	5213.21
		Total	1	5213.21
	Mysuru	Graphite	4	235.03
		Kyanite	2	25.09
		Magnesite	7	157.35
		Vermiculite	2	8.31
		Total	15	425.78
	Uttara Kannada	Iron Ore	1	30.35
		Limeshell	13	1268.61
		Manganese Ore	5	266.35
		Total	19	1565.31

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)	
Karnataka	Raichur	Gold	5	993.44	
		Total	5	993.44	
	Shivamogga	Limestone	1	40.12	
		Manganese Ore	1	17.50	
		Total	2	57.62	
	Tumakuru	Iron Ore	5	267.48	
		Limestone	3	393.66	
		Manganese Ore	8	357.92	
		Total	16	1019.06	
	Udupi	Limeshell	3	267.49	
		Total	3	267.49	
	Yadgir	Limestone	1	2.91	
		Total	1	2.91	
	Kerala	Alappuzha (Alleppey)	Limeshell	1	4.90
			Total	1	4.90
Ernakulam		Graphite	1	1.25	
		Total	1	1.25	
Kottayam		Limeshell	1	94.50	
		Total	1	94.50	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Kerala	Kozhikode	Iron Ore	1	86.06
		Total	1	86.06
	Palakkad	Limestone	1	245.69
		Total	1	245.69
Madhya Pradesh	Alirajpur	Manganese Ore	1	15.26
		Total	1	15.26
	Anuppur	Bauxite	3	170.82
		Total	3	170.82
	Balaghat	Bauxite	1	40.47
		Copper Ore	1	480.10
		Iron Ore	1	4.95
		Limestone	6	33.89
		Manganese Ore	67	1466.38
		Total	76	2025.79
	Betul	Lead & zinc Ore	1	8.93
		Total	1	8.93
	Chhatarpur	Iron Ore	2	8.35
		Rock phosphate	2	61.96
Total		4	70.31	
Chhindwara	Manganese Ore	16	190.64	
	Total	16	190.64	
Damoh	Limestone	8	1347.20	
	Stibnite	1	40.47	
	Total	9	1387.67	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Madhya Pradesh	Dhar	Limestone	37	2448.91
		Total	37	2448.91
	Gwalior	Iron Ore	3	19.90
		Total	3	19.90
	Jabalpur	Bauxite	5	43.61
		Iron Ore	35	406.69
		Manganese Ore	3	16.60
		Total	43	466.90
	Jhabua	Manganese Ore	4	44.66
		Rock Phosphate	3	49.11
		Total	7	93.77
	Katni	Bauxite	25	313.21
		Iron Ore	2	13.62
		Limestone	157	5356.17
		Manganese Ore	1	48.56
		Total	185	5731.56
	Morena	Limestone	4	647.63
		Total	4	647.63
	Narasinhpur	Limestone	4	17.19
		Total	4	17.19

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Madhya Pradesh	Neemuch	Limestone	13	2849.21
		Total	13	2849.21
		Panna	Diamond	2
	Limestone		4	6982.80
	Total		6	7258.76
	Rewa		Bauxite	13
		Limestone	36	2775.77
		Total	49	2921.09
		Sagar	Iron Ore	2
	Rock Phosphate		1	52.80
	Total		3	69.47
	Satna		Bauxite	42
		Iron Ore	1	16.19
		Limestone	200	16567.13
		Total	243	17371.91
		Sidhi	Bauxite	3
	Limestone		4	566.16
	Total		7	576.65

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Maharashtra	Bhandara	Kyanite	7	155.91
		Manganese Ore	7	344.87
		Total	14	500.78
	Chandrapur	Fluorite	1	31.22
		Iron Ore	3	29.91
		Limestone	15	4252.44
		Total	19	4313.57
	Gadchiroli	Iron Ore	8	401.03
		Total	8	401.03
	Gondia	Iron Ore	4	26.97
		Total	4	26.97
	Kolhapur	Bauxite	18	3241.77
		Iron Ore	1	143.95
		Total	19	3385.72
	Nagpur	Manganese Ore	34	731.35
		Total	34	731.35
	Raigad	Bauxite	11	665.41
		Total	11	665.41
	Ratnagiri	Bauxite	7	669.39
		Total	7	669.39

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Maharashtra	Sindhudurg	Iron Ore	16	1152.58
		Total	16	1152.58
	Yavatmal	Limestone	32	2693.78
		Total	32	2693.78
Meghalaya	Jaintia Hills	Limestone	16	299.92
		Total	16	299.92
	Khasi Hills East	Limestone	4	484.78
		Total	4	484.78
	Khasi Hills West	Sillimanite	1	4.64
		Total	1	4.64
Odisha	Bargarh	Limestone	1	502.22
		Total	1	502.22

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Odisha	Bolangir	Graphite	2	66.20
		Total	2	66.20
	Dhenkanal	Chromite	3	939.32
		Total	3	939.32
	Jajpur	Chromite	15	4294.87
		Iron Ore	1	1812.99
		Total	16	6107.86
	Kalahandi	Garnet	2	67.06
		Iolite	4	20.31
		Ruby	1	27.66
		Semi-precious stones	1	17.12
		Total	8	132.15
	Keonjhar	Chromite	2	1722.81
		Iron Ore	36	14178.47
		Manganese Ore	10	6217.21
		Total	48	22118.49
	Koraput	Bauxite	4	2539.94
		Graphite	1	58.70
		Limestone	2	1586.22
		Semi –Precious Stones	1	41.48
		Total	8	4226.34
	Malkangiri	Tin	1	19.00
		Total	1	19.00

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Odisha	Mayurbhanj	Iron Ore	4	1098.27
		Total	4	1098.27
	Nawapara	Graphite	4	116.07
		Limestone	3	332.97
		Total	7	449.04
	Raygada	Bauxite	1	1388.74
		Graphite	3	226.83
		Iolite	1	41.48
		Manganese Ore	3	541.78
		Semi-precious Stones	1	70.55
		Total	9	2269.38
	Sambalpur	Aquamarine	1	24.29
		Total	1	24.29
	Sonepur	Semi-precious stones	1	23.10
		Total	1	23.10
	Sundargarh	Bauxite	1	117.44
		Iron Ore	26	7232.97
		Limestone	8	2563.88
		Manganese Ore	10	1697.28
		Total	45	11611.57

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Ajmer	Emerald	1	46.32
		Garnet	8	37.52
		Lead & Zinc Ore	1	480.45
		Limestone	2	1304.83
		Vermiculite	3	34.62
		Wollastonite	11	111.85
		Total	26	2015.59
	Alwar	Iron Ore	1	69.37
		Total	1	69.37
	Banswara	Limestone	1	65.82
		Manganese Ore	1	18.89
		Total	2	84.71
	Barmer	Siliceous Earth	22	147.36
		Total	22	147.36
	Bhilwara	Garnet	5	20.72
		Iron Ore	2	1989.88
		Kyanite	3	154.00
		Lead & Zinc Ore	1	1200.00
		Total	11	3364.60
	Bundi	Limestone	1	1516.88
		Total	1	1516.88
	Chittorgarh	Limestone	11	5813.90
		Total	11	5813.90
	Dausa	Vermiculite	1	5.00
		Total	1	5.00

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Dungarpur	Fluorite	1	5.00
		Total	1	5.00
	Jaipur	Epidote	1	4.05
		Iron Ore	4	38.53
		Limestone	1	548.78
		Total	6	591.36
	Jaisalmer	Limestone	2	1998.33
		Siliceous Earth	17	124.21
		Total	19	2122.54
	Jalore	Fluorite	6	226.82
		Total	6	226.82
	Jhunjhunu	Copper Ore	3	706.75
		Iron Ore	7	71.73
		Limestone	1	624.00
		Total	11	1402.48
	Kota	Limestone	1	895.42
		Total	1	895.42
	Nagaur	Limestone	9	3419.24
		Total	9	3419.24
	Pali	Limestone	5	2476.43
		Magnesite	2	10.00
		Wollastonite	2	28.87
		Total	9	2515.30

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Rajasthan	Rajsamand	Garnet	1	4.36
		Lead & Zinc Ore	3	1725.82
		Total	4	1730.18
	Sikar	Iron Ore	2	29.56
		Limestone	1	41.14
		Total	3	70.70
	Sirohi	Lead & Zinc Ore	1	63.00
		Limestone	5	1124.03
		Wollastonite	1	49.48
		Total	7	1236.51
	Tonk	Garnet	5	24.76
		Total	5	24.76
	Udaipur	Bauxite	1	123.20
		Lead & Zinc Ore	1	3620.00
		Limestone	2	918.27
		Rock Phosphate	2	1530.14
		Wollastonite	1	112.50
		Total	7	6304.11

(contd)

Table-4 (contd)

State	Districts	Minerals	No. of Leases	Area (In ha)
Sikkim	Sikkim East	Copper Ore	3	96.32
		Total	3	96.32
Tamil Nadu	Ariyalur	Limestone	73	2658.92
		Total	73	2658.92
	Coimbatore	Limestone	4	217.96
		Total	4	217.96
	Cuddalore	Limeshell	1	4.61
		Total	1	4.61
	Dindigul	Limestone	38	591.05
		Total	38	591.05
	Karur	Limestone	38	275.80
		Magnesite	2	4.42
		Total	40	280.22
	Krishnagiri	Limestone	2	2.46
		Total	2	2.46
	Madurai	Graphite	2	5.69
Limestone		15	58.10	
Total		17	63.79	
Namakkal	Bauxite	3	226.16	
	Limestone	36	111.27	
	Magnesite	3	4.89	
	Total	42	342.32	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Tamil Nadu	Perambalur	Limestone	32	136.14
		Total	32	136.14
	Salem	Bauxite	1	190.53
		Limestone	52	418.93
		Magnesite	14	1461.78
		Total	67	2071.24
	Sivagangai	Graphite	4	270.06
		Total	4	270.06
	Theni (Madurai)	Limestone	3	6.77
		Total	3	6.77
	Thiruvallur	Limestone	1	7.67
		Total	1	7.67
	Thoothukudi (Tuticorin)	Limestone	15	452.80
		Total	15	452.80
	Tiruchirappalli	Limestone	23	228.65
		Total	23	228.65
Tirunelveli	Limestone	69	657.94	
	Total	69	657.94	

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)	
Tamil Nadu	Tiruppur	Magnesite	2	7.28	
		Total	2	7.28	
	Vellore	Vermiculite	1	23.71	
		Total	1	23.71	
	Virudhunagar	Limestone	29	1146.57	
		Total	29	1146.57	
	Telangana	Adilabad	Limestone	9	2042.07
			Manganese Ore	15	705.32
			Total	24	2747.39
Hyderabad		Amethyst	1	0.89	
		Total	1	0.89	
Karimnagar		Limestone	2	482.54	
		Total	2	482.54	
Khammam		Garnet	4	9.62	
		Iron Ore	4	29.38	
		Total	8	39.00	
Mahbubnagar	Limestone	1	173.60		
	Total	1	173.60		
Nalgonda	Amethyst	1	4.94		
	Limestone	39	5802.07		
	Total	40	5807.01		

(contd)

Table-4 (contd)

State	District	Mineral	No. of Leases	Area (In ha)
Telangana	Rangareddi	Limestone	5	1217.92
		Total	5	1217.92
	Warangal	Iron Ore	1	17.05
		Total	1	17.05
Uttar Pradesh	Sonbhadra	Limestone	4	2960.19
		Total	4	2960.19
Uttarakhand	Bageshwar	Magnesite	1	165.08
		Total	1	165.08
	Chamoli	Magnesite	1	4.13
		Total	1	4.13
	Pithoragarh	Magnesite	2	8.42
		Total	2	8.42
	Tehri Garhwal	Limestone	3	14.16
		Total	3	14.16
West Bengal	Purulia	Apatite	1	13.47
		Total	1	13.47
Total			3314	306398.76

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 23 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 825 mining leases are in these districts covering an area of about 39,510.86 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 567 such mining leases in 08 districts in 5 States covering an area of about 24,675.36 hectares. These constitute 17% of the total number of mining leases in the country and cover over 8% 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 1,922 mining leases in 184 such districts in 23 States/UT's covering an area of about 2,42,212.54 hectares in the country. These account for 58% of the total number of mining leases in the country covering 79% 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	154	3	9603.1
2	Gujarat	Devbhoomi Dwarka	140	3	3978.05
3	Gujarat	Porbandar	103	3	2826.24
4	Madhya Pradesh	Katni	185	4	5731.56
5	Madhya Pradesh	Satna	243	3	17371.91
.	Total		825		39510.86

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	54	4	1132.09
2	Gujarat	Gir Somnath	70	2	3848.50
3	Karnataka	Bagalkot	92	2	5527.87
4	Karnataka	Ballari	66	2	6753.01
5	Madhya Pradesh	Balaghat	76	5	2025.79
6	Tamil Nadu	Ariyalur	73	1	2658.92
7	Tamil Nadu	Salem	67	3	2071.24
8	Tamil Nadu	Tirunelveli	69	1	657.94
	Total		567		24675.36

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)

S. No.	State	No. of Districts	No. of Leases	Area (In ha)
1	Andhra Pradesh	8	192	16008.62
2	Assam	2	7	889.50
3	Bihar	1	1	53.38
4	Chhattisgarh	19	181	25062.33
5	Goa	2	11	528.49
6	Gujarat	13	102	16883.01
7	Haryana	1	4	46.85
8	Himachal Pradesh	4	42	2459.78
9	Jammu & Kashmir*	6	37	2020.43
10	Jharkhand	12	122	19902.95
11	Karnataka	15	155	22703.48
12	Kerala	5	5	432.4
13	Madhya Pradesh	17	210	19213.11
14	Maharashtra	10	164	14540.58
15	Meghalaya	3	21	789.34
16	Odisha	14	154	49587.23
17	Rajasthan	21	163	33561.83
18	Sikkim	1	3	96.32
19	Tamil Nadu	16	254	3782.06
20	Telangana	8	82	10485.4
21	Uttar Pradesh	1	4	2960.19
22	Uttarakhand	4	7	191.79
23	West Bengal	1	1	13.47
	Total	184	1922	242212.54

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 38 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 10 minerals under Scheduled Minerals for which mining leases have been granted as on 31.3.2021 (P). The number of mining leases granted are 1,019, i.e. 31% of the total mining leases accounting for an area of about 1,23,280.38 hectares which is 40% of the total mining area (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) in the country. Out of the ten scheduled minerals, the total number of mining leases granted for iron Ore is placed at 359 followed by bauxite (352), manganese Ore (249), chromite (24), copper Ore (13), gold (10) and lead & zinc Ore (8). These seven minerals account for 1,015 mining leases, i.e., 99.61% of the mining leases under this category accounting for an area of about 1,22,303.36 hectares which is 99.21% 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 2,295 (69% of the total mining leases) mining leases granted for these minerals that account for an area of about 1,83,118.38 hectares which is 60% 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 31.03.2021 (P)**

S. No.	Mineral	No. of Leases	Area (In ha)
1	Bauxite	352	26082.24
2	Chromite	24	7629.79
3	Copper Ore	13	4198.05
4	Diamond *	2	275.96
5	Gold	10	6934.25
6	Iron Ore	359	56020.35
7	Lead & Zinc Ore	8	7098.2
8	Manganese Ore	249	14340.48
9	Ruby *	1	27.66
10	Sapphire *	1	673.4
	Total	1019	123280.38

* 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 31.03.2021 (P)**

S. No.	Mineral	No. of Leases	Area (In ha)
1	Amethyst	2	5.83
2	Apatite	1	13.47
3	Aquamarine	1	24.29
4	Borax	1	159
5	Emerald	1	46.32
6	Epidote	1	4.05
7	Flint Stone	2	11.78
8	Fluorite	10	326.24
9	Garnet	30	176.95
10	Graphite	38	1557.85
11	Iolite	5	61.79
12	Kyanite	18	635.85
13	Limeshell	22	1719.69
14	Limestone	1960	171079.05
15	Magnesite	35	2308.65
16	Marl	5	857.29
17	Moulding Sand	5	28.94
18	Perlite	1	144.88
19	Rock Phosphate	8	1694.01
20	Rock Salt	1	8.12
21	Semi-precious Stones	17	276.85
22	Siliceous Earth	39	271.57
23	Sillimanite	1	4.64
24	Stibnite	1	40.47
25	Tin	15	319.17
26	Vermiculite	56	892.75

Contd....

Table-9 (concl.)

27	White Shale	4	146.18
28	Wollastonite	15	302.7
	Total	2295	183118.38

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

3.4 FREQUENCY DISTRIBUTION OF MINING LEASES (P)

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

Category – I :	Includes minerals for which number of mining leases executed are more than 1000;
Category – II :	Includes minerals for which number of mining leases executed are between 501 and 1,000;
Category – III :	Includes minerals for which number of mining leases executed are between 301 and 500;
Category – IV :	Includes minerals for which number of mining leases executed are between 201 and 300;
Category – V :	Includes minerals for which number of mining leases executed are between 101 and 200;
Category – VI :	Includes minerals for which number of mining leases executed are between 51 and 100;
Category – VII :	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	1960	59.14	171079.05	55.84
II	-	-	-	-	-
III	2	711	21.45	82102.59	26.80
IV	1	249	7.51	14340.48	4.68
V	-	-	-	-	-
VI	1	56	1.69	892.75	0.29
VII	33	338	10.20	37983.89	12.40
Total	38	3314	100.00	306398.76	100.00

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)

Category	Frequency of Leases	Mineral	No. of Leases	Area (In ha)
I	>1000	Limestone	1960	171079.05
		Total	1960	171079.05
II	Between 501 and 1000	Nil	-	-
III	Between 301 and 500	Iron Ore	359	56020.35
		Bauxite	352	26082.24
		Total	711	82102.59
IV	Between 201 and 300	Manganese Ore	249	14340.48
		Total	249	14340.48
V	Between 101 and 200	Nil	-	-
VI	Between 51 and 100	Vermiculite	56	892.75
		Total	56	892.75
VII	Between 1 and 50	Amethyst	2	5.83
		Apatite	1	13.47
		Aquamarine	1	24.29
		Borax	1	159.00
		Chromite	24	7629.79
		Copper Ore	13	4198.05
		Diamond	2	275.96
		Emerald	1	46.32
		Epidote	1	4.05
		Flint Stone	2	11.78
		Fluorite	10	326.24
		Garnet	30	176.95
		Gold	10	6934.25
		Graphite	38	1557.85
		Iolite	5	61.79
		Kyanite	18	635.85
Lead & Zinc Ore	8	7098.2		

(contd)

Table-11 (Concl'd)

Category	Frequency of Leases	Mineral	No. of Leases	Area (In ha)
VII	Between 1 and 50	Limeshell	22	1719.69
		Magnesite	35	2308.65
		Marl	5	857.29
		Moulding Sand	5	28.94
		Perlite	1	144.88
		Rock Phosphate	8	1694.01
		Rock Salt	1	8.12
		Ruby	1	27.66
		Sapphire	1	673.4
		Semi-precious Stones	17	276.85
		Siliceous Earth	39	271.57
		Sillimanite	1	4.64
		Stibnite	1	40.47
		Tin	15	319.17
		White Shale	4	146.18
Wollastonite	15	302.7		
		Total	338	37983.89

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 3,314 mining leases in the country, 263 (7.94%) leases have been executed in the Public Sector, extending over an area of about 85,355.41 hectares (27.86%). The remaining 3,051 (92.06%) mining leases with an area of about 2,21,043.35 hectares (72.14%) 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 43,050.32 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 Jharkhand (21%), Odisha & Chhattisgarh (19% each), Karnataka (16%), Madhya Pradesh (11%) and Andhra Pradesh (4%) & Telangana (3%). These seven States/UT's account for 93% of the total lease area executed and the remaining 6 States account for the rest of the 7 percent.

(b) State Government Public Sector Undertakings

There are 169 number of mining leases executed in 17 States for different minerals, covering an area of 42,305.06 hectares. The States rich in minerals where there are maximum number of mining leases executed are Odisha 39 (23%), Karnataka 30 (18%), Chhattisgarh 21 (12%), Gujarat 17 (10%), Tamil Nadu 15 (9%), Madhya Pradesh 10 (6%), & Rajasthan 9 (5%), Maharashtra 8 (5%) and Jharkhand 6 (4%). These nine States/UT's together account for about 92% of the total leases executed and the remaining eight States account for the rest of the 8 percent.

The prominent States/UT's where maximum mining lease areas located are Odisha (51%), Karnataka (15%), Rajasthan (9%), Gujarat (8%), Jharkhand & Tamil Nadu (4% each) and Jammu & Kashmir (3%). These 7 States together account for around 94% of the total lease area executed while the remaining 10 States account for the rest of the 6 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 31.03.2021) (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	400	26743.81	4	1581.44	396	25162.37
2	Assam	7	889.50	3	371.00	4	518.50
3	Bihar	1	53.38	0	0	1	53.38
4	Chhattisgarh	181	25062.33	35	8811.51	146	16250.82
5	Goa	11	528.49	0	0	11	528.49
6	Gujarat	415	27535.80	17	3421.8	398	24114.00
7	Haryana	4	46.85	0	0	4	46.85
8	Himachal Pradesh	42	2459.78	3	412.75	39	2047.03
9	Jammu & Kashmir *	37	2020.43	3	1246.8	34	773.63
10	Jharkhand	122	19902.95	19	10842.46	103	9060.49
11	Karnataka	313	34984.36	36	13096.61	277	21887.75
12	Kerala	5	432.40	1	245.69	4	186.71
13	Madhya Pradesh	714	44342.37	29	5466.11	685	38876.26
14	Maharashtra	164	14540.58	26	1039.36	138	13501.22
15	Meghalaya	21	789.34	1	139.67	20	649.67
16	Odisha	154	49587.23	48	29575.93	106	20011.30
17	Rajasthan	163	33561.83	12	4516.29	151	29045.54
18	Sikkim	3	96.32	3	96.32	0	0.00
19	Tamil Nadu	463	9170.16	18	2649.93	445	6520.23
20	Telangana	82	10485.40	3	1663.19	79	8822.21
21	Uttar Pradesh	4	2960.19	0	0	4	2960.19
22	Uttarakhand	7	191.79	1	165.08	6	26.71
23	West Bengal	1	13.47	1	13.47	0	0.00
	Total	3314	306398.76	263	85355.41	3051	221043.35

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 31.03.2021) (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	21.90	4	1581.44
2	Assam	1	171.00	2	200.00	3	371.00
3	Chhattisgarh	14	8135.39	21	676.12	35	8811.51
4	Gujarat	0	0	17	3421.80	17	3421.80
5	Himachal Pradesh	3	412.75	0	0	3	412.75
6	Jammu & Kashmir *	0	0	3	1246.80	3	1246.8
7	Jharkhand	13	9246.99	6	1595.47	19	10842.46
8	Karnataka	6	6710.07	30	6386.54	36	13096.61
9	Kerala	0	0	1	245.69	1	245.69
10	Madhya Pradesh	19	4796.46	10	669.65	29	5466.11
11	Maharashtra	18	752.80	8	286.56	26	1039.36
12	Meghalaya	0	0	1	139.67	1	139.67
13	Odisha	9	8178.44	39	21397.49	48	29575.93
14	Rajasthan	3	706.75	9	3809.54	12	4516.29
15	Sikkim	0	0	3	96.32	3	96.32
16	Tamil Nadu	3	761.86	15	1888.07	18	2649.93
17	Telangana	2	1453.19	1	210.00	3	1663.19
18	Uttarakhand	1	165.08	0	0	1	165.08
19	West Bengal	0	0	1	13.47	1	13.47
	Total	94	43050.32	169	42305.09	263	85355.41

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 31.3.2021) (P)
(By States/Districts/Minerals)**

(Area in ha)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Andhra Pradesh	Krishna	Limestone	1	1295.00	0	0	1	1295.00
	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
		Total	2	1559.54	2	21.9	4	1581.44
Assam	Karbi Anglong	Limestone	1	171.00	0	0	1	171.00
	North Cachar Hills	Limestone	0	0	2	200.00	2	200.00
		Total	1	171.00	2	200.00	3	371.00
Chhattisgarh	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	1821.28	1	166.80	3	1988.08
	Kabirdham	Bauxite	0	0	1	5.31	1	5.31
	Sukma	Tin	0	0	6	188.82	6	188.82
	Surguja	Bauxite	0	0	11	274.58	11	274.58
		Total	14	8135.39	21	676.12	35	8811.51
Gujarat	Banaskantha	Copper Ore	0	0	1	184.98	1	184.98
	Chhota Udaipur	Fluorite	0	0	2	63.20	2	63.20
	Devbhoomo	Bauxite	0	0	2	189.79	2	189.79
	Dwarka							
	Kachchh	Bauxite	0	0	10	1939.39	10	1939.39
	Surat	Limestone	0	0	2	1044.44	2	1044.44
	Total	0	0	17	3421.8	17	3421.8	

(Contd)

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Himachal Pradesh	Mandi	Rock salt	1	8.12	-	-	1	8.12
	Sirmur	Limestone	1	172.03	-	-	1	172.03
	Solan	Limestone	1	232.60	-	-	1	232.60
		Total	3	412.75			3	412.75
Jammu & Kashmir *	Kishtwar	Sapphire	-	-	1	673.40	1	673.40
	Pulwama	Limestone	-	-	1	88.10	1	88.10
	Reasi	Magnesite	-	-	1	485.30	1	485.30
		Total	-	-	3	1246.8	3	1246.8
Jharkhand	Palamu	Graphite	-	-	1	223.54	1	223.54
		Limestone	-	-	1	1043.82	1	1043.82
	Ranchi	Limestone	-	-	2	239.63	2	239.63
	Singhbhum (East)	Copper Ore	3	2313.37	0	0	3	2313.37
		Kyanite	0	0	2	88.48	2	88.48
	Singhbhum (West)	Iron Ore	10	6933.62	0	0	10	6933.62
		Total	13	9246.99	6	1595.47	19	10842.46
Karnataka	Bagalkot	Limestone	-	-	8	2955.59	8	2955.59
	Belagavi	Limestone	-	-	1	701.32	1	701.32
	Ballari	Iron Ore	2	1255.50	5	373.93	7	1629.43
	Chitradurga	Copper Ore	-	-	2	416.53	2	416.53
	Kalaburgi	Gold	-	-	1	55.73	1	55.73
		Limestone	3	241.36	-	-	3	241.36
	Hassan	Chromite	-	-	4	672.79	4	672.79
	Kolar	Gold	1	5213.21	-	-	1	5213.21
	Mysuru	Magnesite	-	-	3	136.27	3	136.27
	Uttara Kannada	Manganese Ore	-	-	1	80.94	1	80.94

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

(Contd)

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Karnataka	Raichur	Gold	-	-	5	993.44	5	993.44
		Total	6	6710.07	30	6386.54	36	13096.61
Kerala	Palakkad	Limestone	-	-	1	245.69	1	245.69
		Total	-	-	1	245.69	1	245.69
Madhya Pradesh	Anuppur	Bauxite	0	0	1	148.18	1	148.18
	Balaghat	Copper Ore	1	480.10	0	0	1	480.10
		Manganese Ore	10	879.46	0	0	10	879.46
	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	2	9.80	2	9.80
	Sagar	Rock Phosphate	0	0	1	52.80	1	52.80
	Satna	Bauxite	0	0	2	361.00	2	361.00
		Limestone	2	1624.46	0	0	2	1624.46
		Total	19	4796.46	10	669.65	29	5466.11
Maharashtra	Bhandara	Kyanite	-	-	4	126.27	4	126.27
		Manganese Ore	5	324.44	-	-	5	324.44
	Chandrapur	Fluorite	-	-	1	31.22	1	31.22
	Gondia	Iron Ore	-	-	1	9.32	1	9.32
	Nagpur	Manganese Ore	13	428.36	-	-	13	428.36
	Yavatmal	Limestone	-	-	2	119.75	2	119.75
		Total	18	752.8	8	286.56	26	1039.36

(Contd)

Table-14 (contd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Meghalaya	Khasi Hills East	Limestone	-	-	1	139.67	1	139.67
		Total	-	-	1	139.67	1	139.67
Odisha	Dhenkanal	Chromite	0	0	2	847.49	2	847.49
	Jajpur	Chromite	0	0	6	3094.13	6	3094.13
		Iron Ore	0	0	1	1812.99	1	1812.99
		Ruby	0	0	1	27.66	1	27.66
	Kalahandi	Chromite	0	0	2	1722.81	2	1722.81
		Iron Ore	2	2907.81	12	5648.33	14	8556.14
	Keonjhar	Manganese Ore	0	0	4	3213.99	4	3213.99
		Bauxite	2	1843.52	1	428.31	3	2271.83
		Limestone	0	0	2	1586.22	2	1586.22
	Nawapara	Limestone	0	0	3	332.97	3	332.97
	Raygada	Manganese Ore	0	0	1	501.67	1	501.67
	Sundargarh	Bauxite	1	117.44	0	0	1	117.44
		Iron Ore	3	2515.70	4	2180.92	7	4696.62
		Limestone	1	793.97	0	0	1	793.97
		Total	9	8178.44	39	21397.49	48	29575.93
Rajasthan	Jaisalmer	Limestone	-	-	2	1998.33	2	1998.33
	Jalore	Fluorite	-	-	4	218.07	4	218.07
	Jhunjhunu	Copper Ore	3	706.75	-	-	3	706.75
	Sirohi	Lead & Zinc Ore	-	-	1	63.00	1	63.00

(Contd)

Table-14 (concl'd)

State	District	Mineral	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Rajasthan	Udaipur	Phosphorite	-	-	2	1530.14	2	1530.14
		Total	3	706.75	9	3809.54	12	4516.29
Sikkim	Sikkim East	Copper Ore	-	-	3	96.32	3	96.32
		Total	-	-	3	96.32	3	96.32
Tamil Nadu	Ariyalur	Limestone	0	0	6	624.33	6	624.33
	Salem	Magnesite	3	761.86	1	96.34	4	858.20
	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
	Total	3	761.86	15	1888.07	18	2649.93	
Telangana	Adilabad	Limestone	1	839.4	1	210.00	2	1049.40
	Rangareddy	Limestone	1	613.79	0	0	1	613.79
	Total	2	1453.19	1	210	3	1663.19	
Uttarakhand	Bageshwar	Magnesite	1	165.08	-	-	1	165.08
		Total	1	165.08	-	-	1	165.08
West Bengal	Purulia	Apatite	-	-	1	13.47	1	13.47
		Total	-	-	1	13.47	1	13.47

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 with IBM, 02 (Two) “Composite Licences” covering an area of 1584.91 hectares were granted during 2020-21 in the state of Maharashtra.

Statewise distribution of prospecting licences or composite licences granted for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) is given in **Table15**.

4.2 MINERALWISE DISTRIBUTION OF PROSPECTING LICENCES

As per information available with IBM, 02 (Two) “Composite Licences” covering an area of 1584.91 hectares were granted during 2020-21 for Copper ore.

Mineralwise distribution of prospecting licences or composite licences granted for minerals (Excluding atomic minerals, hydrocarbon energy minerals and minor minerals) is given in **Table16**.

**Table-15: Prospecting Licences (PL)/ Composite licence (CL) Granted from 2018-19 to 2020-21 (P)
(By States)**

State	2018-19		2019-20		2020-21	
	No.	Area (ha)	No.	Area (ha)	No.	Area (ha)
Andhra Pradesh	-	-	-	-	-	-
Assam	-	-	-	-	-	-
Bihar	-	-	-	-	-	-
Chhattisgarh	-	-	-	-	-	-
Goa	-	-	-	-	-	-
Gujarat	-	-	-	-	-	-
Himachal Pradesh	-	-	-	-	-	-
Haryana	-	-	-	-	-	-
Jammu & Kashmir *	-	-	-	-	-	-
Jharkhand	-	-	-	-	-	-
Karnataka	-	-	-	-	-	-
Kerala	-	-	-	-	-	-
Meghalaya	-	-	-	-	-	-
Madhya Pradesh	-	-	-	-	-	-
Maharashtra	04(PL)	212.93	01	6.789	02(CL)	1584.91
Odisha	-	-	-	-	-	-
Rajasthan	-	-	-	-	-	-
Sikkim	-	-	-	-	-	-
Tamil Nadu	-	-	-	-	-	-
Telangana	-	-	-	-	-	-
Uttar Pradesh	-	-	-	-	-	-
Uttarakhand	-	-	-	-	-	-
West Bengal	-	-	-	-	-	-
All India	-	-	-	-	-	-

Sources: Information received from respective State Government Departments, Licences 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-16: Prospecting Licences (PL)/ Composite licence (CL) Granted from 2018-19 to 2020-21 (P)
(By Minerals)**

State	2018-19		2019-20		2020-21	
	No.	Area (ha)	No.	Area (ha)	No.	Area (ha)
Amethyst	-	-	-	-	-	-
Apatite	-	-	-	-	-	-
Aquamarine	-	-	-	-	-	-
Bauxite	-	-	-	-	-	-
Borax	-	-	-	-	-	-
Chromite	-	-	-	-	-	-
Copper ore	-	-	-	-	02 (CL)	1584.91
Diamond	-	-	-	-	-	-
Emerald	-	-	-	-	-	-
Epidote	-	-	-	-	-	-
Flint stone	-	-	-	-	-	-
Fluorite	-	-	-	-	-	-
Garnet	-	-	-	-	-	-
Gold	-	-	-	-	-	-
Graphite	-	-	-	-	-	-
Iolite	-	-	-	-	-	-
Iron ore	-	-	-	-	-	-
Kyanite	-	-	-	-	-	-
Lead & zinc ore	-	-	-	-	-	-
Limeshell	-	-	-	-	-	-
Limestone	-	-	01 (PL)	6.789	-	-
Magnesite	-	-	-	-	-	-
Manganese ore	04 (PL)	212.93	-	-	-	-
Marl	-	-	-	-	-	-
Moulding sand	-	-	-	-	-	-
Perlite	-	-	-	-	-	-
Rock phosphate	-	-	-	-	-	-
Rock salt	-	-	-	-	-	-
Ruby	-	-	-	-	-	-
Sapphire	-	-	-	-	-	-
Semi-precious stones	-	-	-	-	-	-
Siliceous earth	-	-	-	-	-	-
Sillimanite	-	-	-	-	-	-
Stibnite	-	-	-	-	-	-
Tin	-	-	-	-	-	-
Vermiculite	-	-	-	-	-	-
White shale	-	-	-	-	-	-
Wollastonite	-	-	-	-	-	-

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

P: Provisional
