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Ministry of Mines
INDIAN BUREAU OF MINES

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BULLETIN OF
MINING LEASES & PROSPECTING LICENCES, 2017
(Excluding Atomic Minerals, Coal, Lignite, Petroleum, Natural Gas and Minor Minerals)



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Preface

Indian Bureau of Mines is a repository of database on mineral sector. Directory of Mining Leases is one such database that comprises details of information on Mining Leases granted/executed/renewed. Bulletin of Mineral Information, Bulletin of Mining Leases and Prospecting Licences are published based on this information. Currently in its 20th edition, this publication, "Bulletin of Mining Leases and Prospecting Licences 2017" (Excluding Atomic Minerals, Coal, Lignite, Petroleum, Natural Gas & Minor Minerals) contains information on Mining Leases, Prospecting Licences, Composite Licences, as well as Reconnaissance Permits /Non Exclusive Reconnaissance Permits as on 31-3-2017. Information sourced from the Directory of Mining Leases after assortment and analysis has been segregated into state wise, district wise, mineral wise and sector wise category 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.

Predominant portions of this publication is based on the Directory of Mining Leases as on 31-3-2017, which in turn was compiled from the data supplied by the different State Governments under the statutory provision of Rule 59(2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concessions Rules, 2016. So far as prospecting licences, prospecting cum mining leases/ Reconnaissance Permits (RP)/ Non Exclusive Reconnaissance Permits (NERP) are concerned, the individual licence/permit deeds and the consolidated annual returns received under Rule 59(1) and (2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concessions Rules, 2016, for the same period have been utilised.

Indian Bureau of Mines is thankful to all the State Government Departments for furnishing information on mining leases, prospecting licences, composite licences (prospecting licence-cum-mining lease), as well as RP/NERP and it is hoped that this publication would be quite useful to all those associated with mineral sector.

Nagpur
Dated:

Controller General
Indian Bureau of Mines

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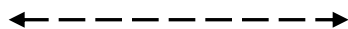
Introduction

India is well-endowed with a wide variety of naturally occurring minerals. India 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 0.11% (366010.88 hectares). The position of mining leases as on 31.3.2017(P) reveals that there are as many as 4,382 mining leases (excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals) granted in the country by the State Governments covering 44 minerals (excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals) with a total lease area of about 366010.88 hectares and spread over 24 States. These 44 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 state wise, sector wise and district wise 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) 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 (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 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
1	Net Area Sown (Crop Area)	141.43	43.02
2	Permanent Pastures & other Grazing Land	10.26	3.12
3	Forest	71.83	21.85
4	Mining Lease Area*	0.37	0.11
5	Fallow Lands	24.85	7.56
6	Land Not Available for Cultivation	43.86	13.34
7	Other area	36.13	10.99

Source: Directorate of Economics & Statistics, Department of Agriculture & Cooperation, Pocket Book on Agricultural Statistics, 2016;

* Source: ML Directory as on 31.03.2017(P) prepared by IBM based on data received from State Govts./UTs. (Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

The mining lease area constitutes around 366010.88 hectares which is approximately 0.11% 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 STATE WISE ANALYSIS

As per the Lease Directory as on 31.3.2017(Provisional), there were 4382 mining leases granted by State Governments for 44 different minerals, covering an area of 366010.88 hectares in the country. States rich in minerals where maximum number of mining leases were granted are Madhya Pradesh (18%) followed by Tamil Nadu (13%), Andhra Pradesh & Gujarat (11% each), Odisha & Karnataka (9%each), Goa (6%), Chhattisgarh, Rajasthan, Maharashtra, & Jharkhand (4% each) and Telangana (3%). These twelve 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 percent of the total mining leases.

The maximum area in percentage covered under mining leases in different States are Odisha (20%) followed by Rajasthan (13%), Karnataka (11%), Madhya Pradesh (10%), Andhra Pradesh, Chhattisgarh & Jharkhand (7% each), Gujarat & Goa (6% each), Maharashtra (4%), Telangana & Tamil Nadu (3% each). These twelve States account for about 97% of the total mining lease area granted and the remaining 3 percent was accounted for by the rest twelve States.

The State wise mining lease distribution together with lease areas as well as state wise/ district wise distribution of mining leases as on 31.03.2017 (P) are furnished in Tables - 1 to 4.

**Table – 1: State wise Summary of Mining Lease* Distribution
As on 31.03.2017 (P)**

State	No. of Leases	Percentage	Area (In ha)	Percentage
Andhra Pradesh	472	10.77	26818.12	7.33
Assam	7	0.16	889.50	0.24
Bihar	12	0.27	387.47	0.11
Chhattisgarh	190	4.34	25582.58	6.99
Goa	281	6.41	21280.44	5.81
Gujarat	469	10.70	22537.01	6.16
Haryana	4	0.09	46.85	0.01
Himachal Pradesh	43	0.98	2471.47	0.68
Jammu & Kashmir	38	0.87	2036.29	0.56
Jharkhand	169	3.86	24017.71	6.56
Karnataka	410	9.36	42251.67	11.54
Kerala	15	0.34	2246.49	0.61
Madhya Pradesh	773	17.64	35718.89	9.76
Maharashtra	183	4.18	13289.40	3.63
Manipur	1	0.02	132.78	0.04
Meghalaya	17	0.39	601.29	0.16
Odisha	416	9.49	73469.70	20.07
Rajasthan	188	4.29	46843.25	12.80
Sikkim	3	0.07	96.32	0.03
Tamil Nadu	563	12.85	10738.61	2.93
Telangana	112	2.56	10944.57	2.99
Uttar Pradesh	5	0.11	3397.80	0.93
Uttarakhand	7	0.16	191.79	0.05
West Bengal	4	0.09	20.88	0.01
All India	4382	100.00	366010.88	100.00

Source: Information received from respective State Government Departments.

* (Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P:- Provisional

**Table-2: Mineral Wise Summary of Mining Lease* Distribution
As on 31/03/2017 (P)
(All India)**

Sl. No.	Mineral	No. of Leases	Lease Area (Hect.)
1	Amethyst	3	7.83
2	Apatite	2	20.17
3	Aquamarine	1	24.29
4	Asbestos	2	166.57
5	Bauxite	391	30500.35
6	Borax	1	159.00
7	Chromite	36	9160.33
8	Copper Ore	14	4250.05
9	Diamond	2	275.96
10	Emerald	1	46.32
11	Epidote	1	215.83
12	Flint Stone	2	11.77
13	Fluorite	11	1289.85
14	Garnet	108	1688.60
15	Garnet(Gem)	3	50.30
16	Gold	11	7445.69
17	Graphite	135	4272.40
18	Iolite	17	277.96
19	Iron ore	777	94723.86
20	Kyanite	32	1531.92
21	Lead & Zinc ore	14	17983.18
22	Limeshell	26	3061.99
23	Limestone	2117	160012.84
24	Magnesite	39	2438.52
25	Manganese Ore	296	15039.83
26	Marl	2	9.22
27	Moulding Sand	35	841.85
28	Nephelene Syenite	1	14.28
29	Perlite	1	144.88
30	Phosphorite	11	2158.71
31	Red oxide	6	489.38
32	Rock Phosphate	1	13.20
33	Rock Salt	1	8.12
34	Ruby	6	130.00
35	Sapphire	1	673.40
36	Semi-precious Stones	16	206.30
37	Siliceous Earth	46	324.03
38	Sillimanite	7	3027.06
39	Stibnite	1	40.47
40	Tin	15	323.62
41	Vermiculite	109	1877.22
42	White clay	50	577.80
43	White shale	15	77.34
44	Wollastonite	16	418.59
	Total	4382	366010.88

Source: Information received from respective State Government Departments.

* (Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P:- Provisional

**Table – 3 : State wise/Mineral wise Distribution of Mining Lease*
As on 31.3.2017(P)**

State	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh	Apatite	1	16.12
	Garnet	7	823.87
	Gold	1	597.82
	Iron ore	58	2406.78
	Kyanite	1	33.59
	Lead & Zinc ore	1	15.89
	Limeshell	3	46.74
	Limestone	230	20064.82
	Manganese ore	38	794.27
	Moulding sand	2	23.48
	Red Oxide	2	26.34
	Semi-precious Stones	13	124.60
	Vermiculite	96	1741.90
	White clay	4	24.56
	White shale	15	77.34
	Total	472	26818.12
Assam	Limestone	7	889.50
	Total	7	889.50
Bihar	Limestone	12	387.47
	Total	12	387.47
Chhattisgarh	Bauxite	28	5757.17
	Graphite	1	67.11
	Iron ore	23	9327.41
	Limestone	118	10107.97
	Moulding sand	6	33.65
	Tin	13	283.77

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (concl.)	White clay	1	5.50
	Total	190	25582.58
Goa	Bauxite	4	1791.08
	Iron ore	275	19371.06
	Manganese ore	2	118.30
	Total	281	21280.44
Gujarat	Bauxite	150	5454.96
	Copper ore	1	184.98
	Fluorite	2	63.20
	Limestone	305	16655.63
	Manganese ore	1	2.95
	Marl	2	9.22
	Moulding sand	3	5.82
	Perlite	1	144.88
	White clay	4	15.37
	Total	469	22537.01
Haryana	Limestone	4	46.85
	Total	4	46.85
Himachal Pradesh	Limestone	42	2463.35
	Rock salt	1	8.12
	Total	43	2471.47
Jammu & Kashmir	Borax	1	159.00
	Limestone	35	718.59
	Magnesite	1	485.30
	Sapphire	1	673.40
	Total	38	2036.29

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Jharkhand	Bauxite	46	3602.66
	Copper ore	3	2313.37
	Flint stone	2	11.77
	Garnet	1	8.20
	Gold	1	19.50
	Graphite	19	838.73
	Iron ore	48	11472.39
	Kyanite	7	1032.00
	Limestone	41	4697.90
	Manganese ore	1	21.19
	Total	169	24017.71
Karnataka	Bauxite	5	370.02
	Chromite	6	1306.39
	Copper ore	2	416.53
	Gold	9	6828.37
	Graphite	4	235.03
	Iron ore	124	10363.61
	Kyanite	7	47.97
	Limeshell	16	1410.55
	Limestone	150	16998.80
	Magnesite	9	163.83
	Manganese ore	54	3476.64
	Moulding sand	19	616.42
	Ruby	3	9.20
	Vermiculite	2	8.31
	Total	410	42251.67
Kerala	Bauxite	2	0.72
	Graphite	1	1.25

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Kerala (concl.)	Iron ore	1	86.06
	Limeshell	6	1600.09
	Sillimanite	5	558.37
	Total	15	2246.49
Madhya Pradesh	Bauxite	106	1348.89
	Copper ore	1	480.10
	Diamond	2	275.96
	Iron ore	42	436.31
	Lead & Zinc ore	2	12.76
	Limestone	498	30292.39
	Manganese ore	95	2289.45
	Phosphorite	5	150.67
	Red oxide	1	27.42
	Rock Phosphate	1	13.20
	Stibnite	1	40.47
	Vermiculite	1	2.65
	White clay	18	348.62
	Total	773	35718.89
Maharashtra	Bauxite	37	4575.95
	Chromite	1	16.22
	Fluorite	1	32.70
	Iron ore	32	1752.49
	Kyanite	12	203.90
	Limestone	51	5469.37
	Manganese ore	44	1061.36
	Moulding sand	2	155.07
	White clay	3	22.34
	Total	183	13289.40

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Manipur	Chromite	1	132.78
	Total	1	132.78
Meghalaya	Limestone	16	596.65
	Sillimanite	1	4.64
	Total	17	601.29
Odisha	Aquamarine	1	24.29
	Asbestos	2	166.57
	Bauxite	8	7058.71
	Chromite	28	7704.94
	Garnet	2	67.06
	Garnet (Gems)	2	46.03
	Graphite	103	2852.75
	Iolite	17	277.96
	Iron ore	148	37134.34
	Kyanite	1	55.49
	Lead & zinc	1	5.26
	Limestone	48	8475.95
	Manganese ore	44	6498.05
	Nephelene syenite	1	14.28
	Red oxide	1	381.62
	Ruby	3	120.80
	Semi-precious stones	3	81.70
	Sillimanite	1	2464.05
	Tin ore	2	39.85
	Total	416	73469.70

Contd.

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Rajasthan	Bauxite	1	123.20
	Copper Ore	4	758.75
	Emerald	1	46.32
	Epidote	1	215.83
	Fluorite	8	1193.95
	Garnet	18	163.30
	Garnet (Gem)	1	4.27
	Iron ore	19	2303.10
	Kyanite	4	158.97
	Lead & Zinc ore	10	17949.27
	Limestone	40	20919.47
	Magnesite	5	119.75
	Manganese ore	1	18.89
	Phosphorite	5	1994.57
	Red Oxide	2	54.00
	Siliceous earth	46	324.03
	Vermiculite	6	76.99
	Wollastonite	16	418.59
	Total	188	46843.25
Sikkim	Copper ore	3	96.32
	Total	3	96.32
Tamil Nadu	Apatite	1	4.05
	Bauxite	4	416.99
	Garnet	75	604.33
	Graphite	7	277.53
	Limeshell	1	4.61
	Limestone	454	7915.38
	Magnesite	20	1492.01

Contd...

Table-3 (concl.d.)

State	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (concl.d.)	Vermiculite	1	23.71
	Total	563	10738.61
Telangana	Amethyst	3	7.83
	Garnet	5	21.84
	Iron ore	7	70.31
	Limestone	58	9900.79
	Manganese ore	16	758.73
	Vermiculite	3	23.66
	White clay	20	161.41
	Total	112	10944.57
Uttar Pradesh	Limestone	5	3397.80
	Total	5	3397.80
Uttarakhand	Limestone	3	14.16
	Magnesite	4	177.63
	Total	7	191.79
West Bengal	Moulding sand	3	7.41
	Phosphorite	1	13.47
	Total	4	20.88

Source: Information received from respective State Government Departments.

* (Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

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**Table-4 : State wise/District wise /Mineral wise Distribution of Mining Leases*
As on 31.3.2017(P)**

State	Districts	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh	Anantapur	Iron ore	8	196.59
		Limestone	33	1570.21
		Red oxide	1	16.22
		Total	42	1783.02
	Chittoor	White shale	1	6.68
		Total	1	6.68
	Cuddapah	Iron ore	10	971.06
		Lead & Zinc ore	1	15.89
		Limestone	24	3459.56
		Total	35	4446.51
	Guntur	Limestone	34	3638.11
		White clay	2	11.79
		White shale	1	33.01
		Total	37	3682.91
	Krishna	Iron ore	5	29.67
		Limestone	15	3217.28
		Total	20	3246.95
	Kurnool	Gold	1	597.82
		Iron ore	29	448.09
		Limestone	120	8162.94
		Red oxide	1	10.12
		White shale	13	37.65
		Total	164	9256.62
	Nellore	Iron ore	2	222.22
		Limeshell	2	42.74
		Moulding sand	2	23.48
Vermiculite		96	1741.90	
Total		102	2030.34	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh (concl.d.)	Prakasam	Garnet	4	4.71
		Iron ore	4	539.15
		Kyanite	1	33.59
		Total	9	577.45
	Srikakulam	Garnet	2	815.08
		Limeshell	1	4.00
		Total	3	819.08
	Visakhapatnam	Apatite	1	16.12
		Garnet	1	4.08
		Limestone	4	16.72
		Semi-precious Stones	13	124.60
		White clay	2	12.77
		Total	21	174.29
	Vizianagaram	Manganese ore	38	794.27
		Total	38	794.27
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	12	387.47
		Total	12	387.47
Chhattisgarh	Balod	Iron ore	4	2562.69
		Total	4	2562.69

Contd..

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (contd.)	Baloda Bazar	Limestone	26	5485.83
		Total	26	5485.83
	Balrampur	Bauxite	4	4000.55
		Graphite	1	67.11
		Total	5	4067.66
	Bastar	Limestone	17	53.88
		Total	17	53.88
	Bemetara	Limestone	1	17.90
		Total	1	17.90
	Bilaspur	Limestone	3	1788.62
		Total	3	1788.62
	Dantewara	Iron ore	7	2998.71
		Tin	7	99.81
		Total	14	3098.52
	Durg	Limestone	47	1601.91
		Moulding sand	3	12.12
		Total	50	1614.03
Janjgir-Champa	Limestone	3	713.32	
	Total	3	713.32	
Jashpur	Bauxite	2	40.61	
	Total	2	40.61	

Contd..

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (contd.)	Kabirdham	Bauxite	3	669.64
		Limestone	2	13.76
		Total	5	683.40
	Kanker	Bauxite	3	13.22
		Iron ore	9	3383.05
		Moulding sand	1	13.84
		Total	13	3410.11
	Kondagaon	Bauxite	2	27.28
		Total	2	27.28
	Narayanpur	Iron ore	1	192.25
		Total	1	192.25
	Raigarh	Limestone	2	8.86
		Total	2	8.86
	Raipur	Limestone	16	419.24
		Total	16	419.24
	Rajnandgaon	Iron ore	2	190.71
		Limestone	1	4.65
		Moulding sand	2	7.69
		White clay	1	5.50
		Total	6	208.55
	Sukma	Tin	6	183.96
		Total	6	183.96

contd.

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (concl.)	Surguja	Bauxite	14	1005.87
		Total	14	1005.87
Goa	North Goa	Iron ore	97	7081.90
		Total	97	7081.90
	South Goa	Bauxite	4	1791.08
		Iron ore	178	12289.16
		Manganese ore	2	118.30
		Total	184	14198.54
	Gujarat	Amreli	Bauxite	1
Limestone			4	1780.32
Total			5	1793.00
Aravali		Bauxite	4	16.39
		Total	4	16.39
Banaskantha		Copper ore	1	184.98
		Limestone	2	25.00
		Total	3	209.98
Bhavnagar		Limestone	1	20.00
		Moulding sand	1	2.80
	Total	2	22.80	
Chhota Udaipur	Fluorite	2	63.20	
	Total	2	63.20	

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Gujarat (contd.)	Devbhoomi Dwarka	Bauxite	110	3132.58
		Limestone	30	1128.96
		Marl	2	9.22
		Total	142	4270.76
	Gir Somnath	Limestone	85	3522.84
		Total	85	3522.84
	Jamnagar	Limestone	27	904.57
		Total	27	904.57
	Junagarh	Limestone	22	241.43
		Total	22	241.43
	Kheda	Bauxite	15	90.40
		Total	15	90.40
	Kachchh	Bauxite	11	2049.46
		Limestone	8	5681.88
		White clay	1	5.00
		Total	20	7736.34
	Panchmahal	Limestone	1	0.49
		Manganese ore	1	2.95
		Total	2	3.44
	Patan	White clay	3	10.37
		Total	3	10.37

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Gujarat (concl.)	Porbandar	Bauxite	6	112.29	
		Limestone	118	2291.17	
		Total	124	2403.46	
	Rajkot	Limestone	3	12.00	
		Perlite	1	144.88	
		Total	4	156.88	
	Sabarkantha	Bauxite	3	41.16	
		Limestone	2	2.53	
		Total	5	43.69	
	Surat	Limestone	2	1044.44	
		Total	2	1044.44	
	Surendranagar	Moulding sand	2	3.02	
		Total	2	3.02	
	Haryana	Mahendragarh	Limestone	4	46.85
			Total	4	46.85
Himachal Pradesh	Bilaspur	Limestone	1	231.25	
		Total	1	231.25	
	Mandi	Limestone	1	725.86	
		Rock Salt	1	8.12	
		Total	2	733.98	
	Sirmur	Limestone	37	480.16	
Total		37	480.16		

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Himachal Pradesh (concl.)	Solan	Limestone	3	1026.08
		Total	3	1026.08
Jammu & Kashmir	Anantnag	Limestone	22	216.15
		Total	22	216.15
	Kishtwar	Sapphire	1	673.40
		Total	1	673.40
	Leh	Borax	1	159.00
		Total	1	159.00
	Poonch	Limestone	1	15.89
		Total	1	15.89
	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
	Garwah	Limestone	3	1179.44
		Total	3	1179.44

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Jharkhand (contd.)	Gumla	Bauxite	28	2462.22
		Total	28	2462.22
	Hazaribagh	Garnet	1	8.20
		Limestone	2	84.83
		Total	3	93.03
	Latehar	Bauxite	2	476.04
		Graphite	1	7.22
		Iron ore	2	48.18
		Total	5	531.44
	Lohardaga	Bauxite	16	664.40
		Total	16	664.40
	Palamau	Graphite	18	831.51
		Iron ore	6	131.05
		Limestone	1	1043.41
		Total	25	2005.97
	Ramgarh	Limestone	5	109.68
		Total	5	109.68
Ranchi	Limestone	4	1289.53	
	Total	4	1289.53	
Sahebganj	Flint Stone	2	11.77	
	Total	2	11.77	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Jharkhand (concl.d.)	Saraikela-Kharaswan	Kyanite	4	936.31
		Total	4	936.31
	Singhbhum (East)	Copper ore	3	2313.37
		Gold	1	19.50
		Kyanite	3	95.69
		Total	7	2428.56
	Singhbhum (West)	Iron ore	40	11293.16
		Limestone	25	973.44
		Manganese ore	1	21.19
		Total	66	12287.79
Karnataka	Bagalkot	Iron ore	3	74.84
		Limestone	91	6010.34
		Total	94	6085.18
	Bengaluru	Ruby	1	4.07
		Total	1	4.07
	Belgaum	Bauxite	5	370.02
		Iron ore	1	20.23
		Limestone	20	1563.49
		Manganese ore	1	40.47
		Moulding sand	3	31.57
		Total	30	2025.78
	Bellary	Iron ore	86	8414.77
		Manganese ore	7	405.16
		Moulding sand	1	4.04
Total		94	8823.97	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (contd.)	Chikmagalur	Iron ore	1	4.89
		Total	1	4.89
	Chitradurga	Copper ore	2	416.53
		Iron ore	13	595.65
		Limestone	14	1623.14
		Manganese ore	22	964.32
		Total	51	3599.64
	Dawangere	Iron ore	1	38.45
		Manganese ore	4	79.51
		Moulding sand	5	165.51
		Total	10	283.47
	Gadag	Iron ore	4	190.37
		Total	4	190.37
	Gulbarga	Gold	1	55.73
		Limestone	18	7319.82
		Moulding sand	1	91.00
		Total	20	7466.55
	Hassan	Chromite	6	1306.39
		Kyanite	1	2.93
		Total	7	1309.32
Haveri	Moulding sand	5	199.49	
	Total	5	199.49	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (contd.)	Kolar	Gold	1	5213.21
		Total	1	5213.21
	Mandya	Ruby	1	1.64
		Total	1	1.64
	Mysore	Graphite	4	235.03
		Kyanite	5	42.61
		Limestone	1	20.23
		Magnesite	9	163.83
		Ruby	1	3.49
		Vermiculite	2	8.31
		Total	22	473.50
	North Kannada (Uttar Kannada)	Iron ore	5	522.30
		Limeshell	13	1143.06
		Manganese ore	9	811.48
		Total	27	2476.84
	Raichur	Gold	6	1521.39
		Total	6	1521.39
	Shimoga	Kyanite	1	2.43
		Limestone	1	40.12
		Manganese ore	2	543.60
		Total	4	586.15

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (concl.)	Tumkur	Gold	1	38.04
		Iron ore	10	502.11
		Limestone	4	418.75
		Manganese ore	9	632.10
		Total	24	1591.00
	Udupi	Limeshell	3	267.49
		Total	3	267.49
	Yadgir	Limestone	1	2.91
		Moulding Sand	4	124.81
		Total	5	127.72
	Kerala	Alappuzha (Alleppey)	Limeshell	3
Total			3	759.90
Ernakulam		Graphite	1	1.25
		Total	1	1.25
Kollam		Bauxite	2	0.72
		Sillimanite	5	558.37
		Total	7	559.09
Kottayam		Limeshell	2	594.50
		Total	2	594.50
Kozhikode		Iron ore	1	86.06
		Total	1	86.06
Palakkad	Limeshell	1	245.69	
	Total	1	245.69	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh	Alirajpur	Limestone	1	2.15
		Vermiculite	1	2.65
		Total	2	4.80
	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	5	28.18
		Manganese ore	73	2004.09
		Total	81	2557.79
	Betul	Lead & Zinc ore	2	12.76
		White clay	1	39.84
		Total	3	52.60
	Chhatarpur	Iron ore	2	8.35
		Phosphorite	1	48.76
		Rock phosphate	1	13.20
		Total	4	70.31
	Chhindwara	Manganese ore	14	174.65
		Total	14	174.65
	Damoh	Limestone	9	2649.90
		Stibnite	1	40.47
		Total	10	2690.37

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh (contd.)	Dhar	Limestone	34	2234.65
		Total	34	2234.65
	Gwalior	Iron ore	3	19.90
		Total	3	19.90
	Jabalpur	Bauxite	5	34.16
		Iron ore	32	368.19
		Limestone	1	12.71
		Manganese ore	3	17.49
		Red oxide	1	27.42
		White clay	1	18.66
		Total	43	478.63
	Jhabua	Limestone	1	9.00
		Manganese ore	4	44.66
		Phosphorite	3	49.11
		Total	8	102.77
	Katni	Bauxite	31	424.00
		Iron ore	1	2.06
		Limestone	181	5230.42
		Manganese ore	1	48.56
		White clay	2	3.64
	Total	216	5708.68	
	Morena	Limestone	1	2.00
		Total	1	2.00
Narasinhapur	Limestone	4	17.19	
	Total	4	17.19	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh (concl.)	Nimach	Limestone	8	1904.05
		Total	8	1904.05
	Panna	Diamond	2	275.96
		Total	2	275.96
	Rewa	Bauxite	14	154.99
		Limestone	32	2029.29
		Total	46	2184.28
	Sagar	Iron ore	2	16.67
		Limestone	2	55.40
		Phosphorite	1	52.80
		Total	5	124.87
	Satna	Bauxite	49	513.97
		Iron ore	1	16.19
		Limestone	205	14568.02
		White clay	10	159.88
		Total	265	15258.06
	Shahdol	White clay	4	126.60
		Total	4	126.60
	Shyampur	Limestone	8	513.48
		Total	8	513.48
	Sidhi	Bauxite	3	10.48
Limestone		6	1035.95	
Total		9	1046.43	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Maharashtra	Bhandara	Chromite	1	16.22
		Kyanite	12	203.90
		Manganese ore	7	353.81
		Total	20	573.93
	Chandrapur	Fluorite	1	32.70
		Iron ore	3	29.91
		Limestone	16	3342.47
		White clay	1	18.00
		Total	21	3423.08
	Gadchiroli	Iron ore	8	401.03
		Total	8	401.03
	Gondia	Iron ore	4	26.97
		Total	4	26.97
	Kolhapur	Bauxite	17	2962.92
		Iron ore	1	144.00
		Total	18	3106.92
	Nagpur	Manganese ore	37	707.55
		White clay	2	4.34
		Total	39	711.89
	Raigad	Bauxite	11	665.41
		Total	11	665.41
	Ratnagiri	Bauxite	7	777.56
		Moulding sand	2	155.07
Total		9	932.63	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Maharashtra (concl.)	Satara	Bauxite	1	125.06	
		Total	1	125.06	
	Sindhudurg	Bauxite	1	45.00	
		Iron ore	16	1150.58	
		Total	17	1195.58	
	Yeotmal	Limestone	35	2126.90	
		Total	35	2126.90	
	Manipur	Ukhrul	Chromite	1	132.78
			Total	1	132.78
Meghalaya	Jaintia Hills	Limestone	11	51.87	
		Total	11	51.87	
	Khasi Hills East	Limestone	4	484.78	
		Total	4	484.78	
	Khasi Hills West	Limestone	1	60.00	
		Sillimanite	1	4.64	
Total	2	64.64			
Odisha	Bargarh	Graphite	13	385.16	
		Limestone	3	903.56	
		Total	16	1288.72	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha (contd.)	Bolangir	Garnet (Gem)	1	12.08
		Graphite	58	1371.34
		Lead & zinc ore	1	5.26
		Limestone	1	27.65
		Manganese ore	1	7.27
		Total	62	1423.60
	Dhenkanal	Chromite	5	1165.94
		Total	5	1165.94
	Ganjam	Sillimanite	1	2464.05
		Total	1	2464.05
	Jajpur	Chromite	17	4344.72
		Iron ore	1	1812.99
		Total	18	6157.71
	Kalahandi	Garnet	2	67.06
		Graphite	10	190.79
		Iolite	10	80.06
		Ruby	3	120.80
		Semi-precious stones	1	17.12
		Total	26	475.83
	Kandhamal	Graphite	2	38.84
		Total	2	38.84
	Keonjhar	Asbestos	1	49.22
		Chromite	6	2194.28
		Iron ore	90	25290.77

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha (concl.)	Keonjhar (concl.)	Manganese ore	16	2447.39
		Total	113	29981.66
	Koraput	Bauxite	4	5343.69
		Graphite	1	58.70
		Limestone	2	1586.22
		Nephelene syenite	1	14.28
		Semi-precious stones	1	41.48
		Total	9	7044.37
	Malkangiri	Tin	2	39.85
		Total	2	39.85
	Mayurbhanj	Asbestos	1	117.35
		Iron ore	11	1767.65
		Kyanite	1	55.49
		Total	13	1940.49
	Nawapara	Garnet (Gem)	1	33.95
		Graphite	5	185.28
		Limestone	3	332.96
		Total	9	552.19
	Nayagarh	Graphite	1	16.64
		Total	1	16.64
	Raygada	Bauxite	1	1388.74
		Graphite	13	606.00
		lolite	1	41.48
Manganese ore		5	579.58	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha (concl.d.)	Raygada (concl.d.)	Red oxide	1	381.62
		Total	21	2997.42
	Sambalpur	Aquamarine	1	24.29
		Iron ore	1	874.29
		Total	2	898.58
	Sonepur	Iolite	6	156.42
		Semi-precious stone	1	23.10
		Total	7	179.52
	Sundargarh	Bauxite	3	326.28
		Iron ore	45	7388.64
		Limestone	39	5625.56
		Manganese ore	22	3463.81
		Total	109	16804.29
Rajasthan	Ajmer	Emerald	1	46.32
		Garnet	8	37.53
		Lead & Zinc Ore	1	480.45
		Limestone	2	1304.83
		Magnesite	2	9.75
		Vermiculite	4	39.62
		Wollastonite	10	97.55
	Total	28	2016.05	
	Alwar	Iron ore	1	69.37
		Total	1	69.37

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (contd.)	Banswara	Limestone	1	65.82
		Manganese ore	1	18.89
		Total	2	84.71
	Barmer	Siliceous earth	23	171.03
		Total	23	171.03
	Bhilwara	Garnet	3	13.38
		Garnet (Gem)	1	4.27
		Iron ore	2	1989.88
		Kyanite	3	154.02
		Lead & Zinc ore	1	1200.00
		Total	10	3361.55
	Bundi	Limestone	1	137.68
		Total	1	137.68
	Chittorgarh	Limestone	10	5569.51
		Total	10	5569.51
	Dausa	Vermiculite	1	5.00
		Total	1	5.00
	Dungarpur	Fluorite	2	9.95
		Total	2	9.95
	Jaipur	Epidote	1	215.83
		Iron ore	6	48.63
		Limestone	1	548.78
		Total	8	813.24

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (contd.)	Jaisalmer	Limestone	2	1998.40
		Siliceous earth	23	153.00
		Total	25	2151.40
	Jalore	Fluorite	6	1184.00
		Total	6	1184.00
	Jhunjhunu	Copper Ore	3	706.75
		Iron ore	7	141.20
		Total	10	847.95
	Jodhpur	Limestone	1	2070.00
		Total	1	2070.00
	Kota	Limestone	1	895.42
		Total	1	895.42
	Nagaur	Limestone	7	2903.81
		Total	7	2903.81
	Pali	Limestone	4	2426.62
		Magnesite	3	110.00
		Vermiculite	1	32.37
		Wollastonite	2	28.86
		Total	10	2597.85
	Rajsamand	Garnet	1	4.36
		Lead & Zinc ore	3	1725.82
		Total	4	1730.18

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (concl.)	Sikar	Iron ore	3	54.02
		Limestone	3	957.93
		Total	6	1011.95
	Sirohi	Copper ore	1	52.00
		Lead & Zinc ore	1	63.00
		Limestone	5	1124.03
		Wollastonite	2	77.86
		Total	9	1316.89
	Tonk	Garnet	6	108.03
		Total	6	108.03
	Udaipur	Bauxite	1	123.20
		Kyanite	1	4.95
		Lead & Zinc ore	4	14480.00
		Limestone	2	916.64
		Phosphorite	5	1994.57
		Red oxide	2	54.00
		Wollastonite	2	214.32
Total		17	17787.68	
Sikkim	Sikkim East	Copper ore	3	96.32
		Total	3	96.32
Tamil Nadu	Ariyalur	Limestone	73	2665.23
		Total	73	2665.23
	Coimbatore	Limestone	4	217.92
		Total	4	217.92

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (Contd.)	Cuddalore	Limeshell	1	4.61
		Total	1	4.61
	Dindigul	Limestone	42	601.03
		Total	42	601.03
	Kanyakumari	Garnet	9	168.33
		Total	9	168.33
	Karur	Limestone	42	538.18
		Magnesite	2	4.41
		Total	44	542.59
	Krishnagiri	Limestone	2	2.46
		Total	2	2.46
	Madurai	Garnet	2	6.62
		Graphite	2	5.69
Limestone		13	60.78	
Total		17	73.09	
Tamil Nadu (contd.)	Namakkal	Bauxite	3	226.15
		Limestone	38	124.63
		Magnesite	3	4.89
		Total	44	355.67
	Perambalur	Limestone	32	136.03
		Total	32	136.03

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (contd.)	Salem	Apatite	1	4.05
		Bauxite	1	190.84
		Limestone	52	432.50
		Magnesite	13	1475.45
		Total	67	2102.84
	Sivaganga	Graphite	5	271.84
		Total	5	271.84
	Theni (Madurai)	Limestone	3	6.77
		Total	3	6.77
	Thoothukudi (Tuticorin)	Garnet	6	70.44
		Limestone	18	568.71
		Total	24	639.15
	Tiruchirappalli	Garnet	5	29.99
		Limestone	30	287.88
		Total	35	317.87
	Tirunelveli	Garnet	53	328.95
		Limestone	73	679.06
		Total	126	1008.01
	Tiruppur	Magnesite	2	7.26
		Total	2	7.26
	Vellore	Vermiculite	1	23.71
Total		1	23.71	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (concl.d.)	Virudhunagar	Limestone	32	1594.20
		Total	32	1594.20
Telangana	Adilabad	Limestone	12	2393.41
		Manganese ore	16	758.73
		White clay	20	161.41
		Total	48	3313.55
	Hyderabad	Amethyst	2	2.89
		Total	2	2.89
	Karimnagar	Limestone	2	535.15
		Total	2	535.15
	Khammam	Garnet	5	21.84
		Iron ore	6	53.26
		Vermiculite	2	19.66
		Total	13	94.76
	Mahbubnagar	Limestone	1	173.60
		Total	1	173.60
Nalgonda	Amethyst	1	4.94	
	Limestone	38	5581.49	
	Vermiculite	1	4.00	
	Total	40	5590.43	
Rangareddi	Limestone	5	1217.14	
	Total	5	1217.14	

contd...

Table-4 (concl.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Telangana (concl.)	Warangal	Iron ore	1	17.05
		Total	1	17.05
Uttar Pradesh	Sonbhadra	Limestone	5	3397.80
		Total	5	3397.80
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	Burdwan	Moulding sand	2	2.27
		Total	2	2.27
	Purulia	Moulding sand	1	5.14
		Phosphorite	1	13.47
		Total	2	18.61

Source: Information received from respective State Government Departments.

* Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals.

P:- Provisional

3.2 DISTRICT WISE ANALYSIS

(i) High Mineral Potential Districts

District wise analysis indicates that the total number of mineral-bearing districts is around 215 and that they are spread across 24 states in the country. Out of these, 10 districts in 6 states are considered as high mineral potential districts wherein more than 100 mining leases each have been granted. A total of 1,545 mining leases have been granted in these districts covering an area of about 100,920 hectares. These constitute about 35% of total number of mining leases in the country and cover around 27% of the total area.

(ii) Medium Mineral Potential Districts

Districts wherein mining leases between 51 and 100 are granted are considered as Medium Potential districts. There are 770 such mining leases granted in 10 districts in 7 states covering an area of about 50,151 hectares. These constitute 18% of the total number of mining leases in the country and cover over 14% of the total area.

(iii) Low Mineral Potential Districts

Districts wherein mining leases granted are between 1 and 50 are considered as Low Mineral Potential districts. There are 2,067 mining leases granted in 194 such districts in 23 states covering an area of about 214,940 hectares in the country. These account for 47% of the total number of mining leases in the country covering 59% of the total area.

Information on the number of mining leases granted in high mineral potential, medium potential, low potential states and districts is furnished in Table-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	164	5	9256.62
2	Andhra Pradesh	Nellore	102	4	2030.34
3	Goa	South Goa	184	3	14198.54
4	Gujarat	Devbhoomi Dwarka	142	3	4270.76
5	Gujarat	Porbandar	124	2	2403.46
6	Madhya Pradesh	Katni	216	5	5708.68
7	Madhya Pradesh	Satna	265	4	15258.06
8	Odisha	Keonjhar	113	4	29981.66
9	Odisha	Sundergarh	109	4	16804.29
10	Tamil Nadu	Tirunelveli	126	2	1008.01
Total			1545	36	100920.42

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral 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	Goa	North Goa	97	1	7081.90
2	Gujarat	Gir Somnath	85	1	3522.84
3	Jharkhand	Singhbhum (West)	66	3	12287.79
4	Karnataka	Bagalkot	94	2	6085.18
5	Karnataka	Bellary	94	3	8823.97
6	Karnataka	Chitradurga	51	4	3599.64
7	Madhya Pradesh	Balaghat	81	5	2557.79
8	Odisha	Bolangir	62	5	1423.60
9	Tamil Nadu	Ariyalur	73	1	2665.23
10	Tamil Nadu	Salem	67	4	2102.84
Total			770	29	50150.78

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P:- Provisional

Table – 7 : Low Mineral Potential Districts(P)

S. No.	State	No. of Districts	No. of Leases	Area (In ha)
1	Andhra Pradesh	9	206	15531.16
2	Assam	2	7	889.50
3	Bihar	1	12	387.47
4	Chhattisgarh	19	190	25582.58
5	Gujarat	15	118	12339.95
6	Haryana	1	4	46.85
7	Himachal Pradesh	4	43	2471.47
8	Jammu & Kashmir	7	38	2036.29
9	Jharkhand	12	103	11729.92
10	Karnataka	17	171	23742.88
11	Kerala	6	15	2246.49
12	Madhya Pradesh	19	211	12194.36
13	Maharashtra	11	183	13289.40
14	Manipur	1	1	132.78
15	Meghalaya	3	17	601.29
16	Odisha	14	132	25260.15
17	Rajasthan	22	188	46843.25
18	Sikkim	1	3	96.32
19	Tamil Nadu	16	297	4962.53
20	Telangana	8	112	10944.57
21	Uttar Pradesh	1	5	3397.80
22	Uttarakhand	4	7	191.79
23	West Bengal	2	4	20.88
Total		195	2067	214939.68

*Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)*

P:- Provisional

3.3 MINERAL WISE ANALYSIS

There are 44 naturally occurring minerals (excluding coal, lignite, petroleum, natural gas, atomic mineral 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 industrial mineral group includes asbestos and precious stone includes diamond, ruby & sapphire. At present, there are no commercial mining leases granted for silver and platinum group of metals in the country.

There are 11 minerals under Scheduled Minerals for which mining leases are granted as on 31.3.2017(P). The number of mining leases granted are 1,550 i.e. 35% of the total mining leases accounting for an area of about 1,80,349.22 hectares which is 49% of the total mining area (Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals) in the country. Out of the eleven scheduled minerals, the total number of mining leases granted for iron ore is placed at 777 followed by bauxite (391), manganese ore (296), chromite (36), copper ore (14), lead & zinc ore (14) and gold (11). These seven minerals account for 1,539 mining leases, i.e., 99.29% of the mining leases under this category accounting for an area of about 1,79,103.29 hectares which is 99.31% of the lease area accounted under Scheduled Minerals. The distribution of mining leases for Scheduled minerals are given in Table-8.

(ii) Non-Scheduled Minerals

There are 33 Non-Scheduled or Industrial minerals, for which leases are granted in the country. In all, there are 2832 (65% of the total mining leases) mining leases granted for these minerals that account for an area of about 1,85,661.66 hectares which is 51% of the total lease area. Distribution of mining leases for Non-Scheduled minerals are given in Table-9.

**Table – 8 : Distribution of Mining Leases for Scheduled Minerals
As on 31.03.2017(P)**

S. No.	Minerals	No. of Leases	Area (In ha)
1	Asbestos	2	166.57
2	Bauxite	391	30500.35
3	Chromite	36	9160.33
4	Copper ore	14	4250.05
5	Diamond *	02	275.96
6	Gold	11	7445.69
7	Iron ore	777	94723.86
8	Lead & Zinc ore	14	17983.18
9	Manganese ore	296	15039.83
10	Ruby *	6	130.00
11	Sapphire *	1	673.40
	Total	1550	180349.22

* Precious stone

*Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)*

P:- Provisional

**Table – 9 : Distribution of Mining Leases for Non-Scheduled Minerals
As on 31.03.2017(P)**

S. No.	Minerals	No. of Leases	Area (In ha)
1	Amethyst	3	7.83
2	Apatite	2	20.17
3	Aquamarine	1	24.29
4	Borax	1	159.00
5	Emerald	1	46.32
6	Epidote	1	215.83
7	Flint Stone	2	11.77
8	Fluorite	11	1289.85
9	Garnet	108	1688.60
10	Garnet (Gem)	3	50.30
11	Graphite	135	4272.40
12	Iolite	17	277.96
13	Kyanite	32	1531.92
14	Limeshell	26	3061.99
15	Limestone	2117	160012.84
16	Magnesite	39	2438.52
17	Marl	2	9.22
18	Moulding Sand	35	841.85
19	Nepheline Syenite	1	14.28
20	Perlite	1	144.88
21	Phosphorite	11	2158.71
22	Red oxide	6	489.38
23	Rock phosphate	1	13.20
24	Rock Salt	1	8.12
25	Semi-precious stones	16	206.30
26	Siliceous earth	46	324.03
27	Sillimanite	7	3027.06
28	Stibnite	1	40.47
29	Tin	15	323.62
30	Vermiculite	109	1877.22

Contd....

Table-9 Contd...

31	White clay	50	577.80
32	White shale	15	77.34
33	Wollastonite	16	418.59
	Total	2832	185661.66

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral 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 category wise are summarised in Table – 10. The frequency distribution of mining leases is given in Table – 11.

**Table – 10 : Category wise 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	(In ha)	Percentage
I	1	2117	48.31	160012.84	43.72
II	1	777	17.73	94723.86	25.88
III	1	391	8.92	30500.35	8.33
IV	1	296	6.75	15039.83	4.11
V	3	352	8.04	7838.22	2.14
VI	-	-	-	-	-
VII	37	449	10.25	57895.78	15.82
Total	44	4382	100.00	366010.88	100.00

*Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)*

P:- Provisional

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

Category	Frequency of Leases	Minerals	No. of Leases	Area (In ha)
I	>1000	Limestone	2117	160012.84
		Total	2117	160012.84
II	Between 501 and 1000	Iron ore	777	94723.86
		Total	777	94723.86
III	Between 301 and 500	Bauxite	391	30500.35
		Total	391	30500.35
IV	Between 201 and 300	Manganese Ore	296	15039.83
		Total	296	15039.83
V	Between 101 and 200	Garnet	108	1688.60
		Graphite	135	4272.40
		Vermiculite	109	1877.22
		Total	352	7838.22
VI	Between 51 and 100	Nil	-	-
VII	Between 1 and 50	Amethyst	3	7.83
		Apatite	2	20.17
		Aquamarine	1	24.29
		Asbestos	2	166.57
		Borax	1	159.00
		Chromite	36	9160.33
		Copper Ore	14	4250.05
		Diamond	2	275.96
		Emerald	1	46.32
		Epidote	1	215.83
		Flint Stone	2	11.77
		Fluorite	11	1289.85
		Garnet (Gem)	3	50.30
		Gold	11	7445.69
		Iolite	17	277.96
		Kyanite	32	1531.92
Lead & Zinc ore	14	17983.18		

concl'd...

Table-11 (concl.)

Category	Frequency of Leases	Minerals	No. of Leases	Area (In ha)
VII (concl.)	Between 1 and 50 (concl.)	Limeshell	26	3061.99
		Magnesite	39	2438.52
		Marl	2	9.22
		Moulding sand	35	841.85
		Nepheline Syenite	1	14.28
		Perlite	1	144.88
		Phosphorite	11	2158.71
		Red oxide	6	489.38
		Rock phosphate	1	13.20
		Rock Salt	1	8.12
		Ruby	6	130.00
		Sapphire	1	673.40
		Semi-precious stones	16	206.30
		Siliceous earth	46	324.03
		Sillimanite	7	3027.06
		Syibnite	1	40.47
		Tin	15	323.62
		White clay	50	577.80
		White shale	15	77.34
Wollastonite	16	418.59		
		Total	449	57895.78

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P:- Provisional

3.5 SECTOR WISE DISTRIBUTION OF MINING LEASES

Out of the total 4,382 mining leases in the country, 304 (7%) leases have been executed in the Public Sector, extending over an area of about 1,019,12.20 hectares (28%). The remaining 4,078 (93%) mining leases with an area of about 2,64,098.68 hectares (72%) have been executed in the Private Sector. Most of the Scheduled Minerals, namely, copper ore, lead & zinc ores, gold, iron ore, manganese ore and chromite and Non-Scheduled Minerals are being exploited by both Public and Private Sectors.

(a) Central Government Public Sector Undertakings :

There are 118 mining leases under Central Government Public Sector Undertakings executed in 14 states for different minerals, covering an area of about 56,347.52 hectares. The States rich in minerals where maximum number of mining leases executed for Central Govt. Public Sector Undertakings are Madhya Pradesh and Odisha (20 each) (17% each), followed by Jharkhand and Maharashtra (18 each) (15% each) and Chhattisgarh 14 (12%). These five States together account for about 76% of total leases executed under these category and the remaining 9 States account for the rest of the 24 % under these category.

The prominent States where maximum mining lease areas are located are Odisha (33%), Jharkhand (19%), Chhattisgarh (16%), Karnataka (12%), Madhya Pradesh (9%) and Andhra Pradesh & Telangana (3% each). These seven States account for 95% of the total lease area executed and the remaining States account for the rest of the 5 percent.

(b) State Government Public Sector Undertakings :

There are 186 number of mining leases executed in 16 States for different minerals, covering an area of 45,564.68 hectares. The States rich in minerals where there are maximum number of mining leases executed are Odisha 44 (24%), Karnataka 38 (20%), Chhattisgarh 22 (12%), Gujarat 17 (9%), Tamil Nadu 15 (8%), Rajasthan 11 (6%), Maharashtra 9 (5%) and Madhya Pradesh 8 & Jharkhand 7 (4% each). These nine States together account for about 92% of the total leases executed and the remaining 7 States account for the rest of the 8 percent.

The prominent States where maximum mining lease areas located are Odisha (47%), Karnataka (19%), Rajasthan (11%), Gujarat (8%), Jharkhand & Tamil Nadu (4% each) and Jammu and Kashmir (3%). These seven States together account for around 96% of the total lease area executed while the remaining 9 States account for the rest of the 4 percent.

Sector wise distribution of mining leases in public/private sector and Mineral wise distribution of Mining Leases are given in Tables-12 to 14 respectively.

**Table – 12 : Sector wise Distribution of Mining Leases (As on 31.03.2017) (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	472	26818.12	5	1597.67	467	25220.45
2	Assam	7	889.50	3	371.00	4	518.50
3	Bihar	12	387.47	-	-	12	387.47
4	Chhattisgarh	190	25582.58	36	9877.55	154	15705.03
5	Goa	281	21280.44	-	-	281	21280.44
6	Gujarat	469	22537.01	17	3421.79	452	19115.22
7	Haryana	4	46.85	-	-	4	46.85
8	Himachal Pradesh	43	2471.47	3	412.75	40	2058.72
9	Jammu & Kashmir	38	2036.29	3	1246.80	35	789.49
10	Jharkhand	169	24017.71	25	12232.53	144	11785.18
11	Karnataka	410	42251.67	44	15395.44	366	26856.23
12	Kerala	15	2246.49	5	558.37	10	1688.12
13	Madhya Pradesh	773	35718.89	28	5503.81	745	30215.08
14	Maharashtra	183	13289.40	27	1012.83	156	12276.57
15	Manipur	1	132.78	-	-	1	132.78
16	Meghalaya	17	601.29	1	139.67	16	461.62
17	Odisha	416	73469.70	64	39697.85	352	33771.85
18	Rajasthan	188	46843.25	14	5794.59	174	41048.66
19	Sikkim	3	96.32	3	96.32	-	-
20	Tamil Nadu	563	10738.61	21	2711.51	542	8027.10
21	Telangana	112	10944.57	3	1663.17	109	9281.40
22	Uttar Pradesh	5	3397.80	-	-	5	3397.80
23	Uttarakhand	7	191.79	1	165.08	6	26.71
24	West Bengal	4	20.88	1	13.47	3	7.41
	Total	4382	366010.88	304	101912.20	4078	264098.68

**Table – 13 : Sector-wise Distribution of Mining Leases (As on 31.03.2017(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	1559.64	3	38.03	5	1597.67
2	Assam	1	171.00	2	200.00	3	371.00
3	Chhattisgarh	14	9280.97	22	596.58	36	9877.55
4	Gujarat	-	-	17	3421.79	17	3421.79
5	Himachal Pradesh	3	412.75	-	-	3	412.75
6	Jammu & Kashmir	-	-	3	1246.80	3	1246.80
7	Jharkhand	18	10426.36	7	1806.17	25	12232.53
8	Karnataka	6	6710.07	38	8685.37	44	15395.44
9	Kerala	4	354.57	1	203.80	5	558.37
10	Madhya Pradesh	20	5153.70	8	350.11	28	5503.81
11	Maharashtra	18	708.33	9	304.50	27	1012.83
12	Meghalaya	-	-	1	139.67	1	139.67
13	Odisha	20	18330.08	44	21367.77	64	39697.85
14	Rajasthan	3	706.75	11	5087.84	14	5794.59
15	Sikkim	-	-	3	96.32	3	96.32
16	Tamil Nadu	6	915.05	15	1796.46	21	2711.51
17	Telangana	2	1453.17	1	210.00	3	1663.17
18	Uttarakhand	1	165.08	-	-	1	165.08
19	West Bengal	-	-	1	13.47	1	13.47
	Total	118	56347.52	186	45564.68	304	101912.20

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P:- Provisional

**Table-14: Summary of Lease Distribution in Public Sector
(As on 31.3.2017)(P)
(By States/Districts/Minerals)**

(Area in ha)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Andhra Pradesh	Krishna	Limestone	1	1295.00	-	-	1	1295.00
	Nellore	Moulding sand	-	-	1	13.19	1	13.19
	Visakhapatnam	Apatite	-	-	1	16.12	1	16.12
		Limestone	-	-	1	8.72	1	8.72
	Vizianagaram	Manganese ore	1	264.64	-	-	1	264.64
		Total		2	1559.64	3	38.03	5
Assam	Karbi Anglong	Limestone	1	171.00	-	-	1	171.00
	North Cachar Hills	Limestone	-	-	2	200.00	2	200.00
		Total	1	171.00	2	200.00	3	371.00
Chhattisgarh	Balod	Iron ore	4	2562.69	-	-	4	2562.69
	Balrampur	Bauxite	1	257.92	-	-	1	257.92
	Dantewada	Iron ore	6	2967.16	-	-	6	2967.16
	Durg	Limestone	1	526.34	-	-	1	526.34
	Jashpur	Bauxite	-	-	2	40.61	2	40.61
	Kanker	Iron ore	2	2966.86	-	-	2	2966.86
	Kabirdham	Bauxite	-	-	1	5.31	1	5.31
	Sukma	Tin	-	-	6	183.96	6	183.96
	Surguja	Bauxite	-	-	13	366.70	13	366.70
		Total	14	9280.97	22	596.58	36	9877.55
Gujarat	Banaskantha	Copper ore	-	-	1	184.98	1	184.98
	Chhota Udaipur	Fluorite	-	-	2	63.20	2	63.20
	Devbhoomo Dwarka	Bauxite	-	-	2	189.78	2	189.78
	Kachchh	Bauxite	-	-	10	1939.39	10	1939.39
	Surat	Limestone	-	-	2	1044.44	2	1044.44
		Total	-	-	17	3421.79	17	3421.79

Contd...

Table-14 (contd.)

State	Districts	Minerals	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	1246.80	3	1246.80
Jharkhand	Garwah	Limestone	3	1179.44	-	-	3	1179.44
	Palamau	Graphite	-	-	2	434.76	2	434.76
		Limestone	-	-	1	1043.41	1	1043.41
	Ranchi	Limestone	-	-	2	239.53	2	239.53
	Singhbhum (East)	Copper ore	3	2313.37	-	-	3	2313.37
		Kyanite	-	-	2	88.47	2	88.47
	Singhbhum (West)	Iron ore	12	6933.55	-	-	12	6933.55
	Total		18	10426.36	7	1806.17	25	12232.53
Karnataka	Bagalkot	Limestone	-	-	8	3241.81	8	3241.81
	Belgaum	Limestone	-	-	2	755.48	2	755.48
	Bellary	Iron ore	2	1255.50	7	606.69	9	1862.19
	Chitradurga	Copper ore	-	-	2	416.53	2	416.53
	Gulbarga	Gold	-	-	1	55.73	1	55.73
		Limestone	3	241.36	-	-	3	241.36
	Hassan	Chromite	-	-	6	1306.39	6	1306.39
	Kolar	Gold	1	5213.21	-	-	1	5213.21
	Mysore	Magnesite	-	-	3	136.27	3	136.27
	Uttara Kannada	Manganese ore	-	-	1	80.94	1	80.94

Contd...

Table-14 (contd.)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Karnataka (concl.)	Raichur	Gold	-	-	6	1521.39	6	1521.39
	Shimoga	Manganese ore	-	-	1	526.10	1	526.10
	Tumkur	Gold	-	-	1	38.04	1	38.04
		Total	6	6710.07	38	8685.37	44	15395.44
Kerala	Kollam	Sillimanite	4	354.57	1	203.80	5	558.37
		Total	4	354.57	1	203.80	5	558.37
Madhya Pradesh	Anuppur	Bauxite	-	-	1	148.18	1	148.18
	Balaghat	Copper ore	1	480.10	-	-	1	480.10
		Manganese ore	11	1236.70	-	-	11	1236.70
	Chhatarpur	Phosphorite	-	-	1	48.76	1	48.76
	Jhabua	Phosphorite	-	-	3	49.11	3	49.11
	Katni	Limestone	2	1036.03	-	-	2	1036.03
	Nimach	Limestone	2	500.45	-	-	2	500.45
	Panna	Diamond	2	275.96	-	-	2	275.96
	Rewa	Bauxite	-	-	1	4.90	1	4.90
	Sagar	Phosphorite	-	-	1	52.80	1	52.80
	Satna	Bauxite	-	-	1	46.36	1	46.36
		Limestone	2	1624.46	-	-	2	1624.46
		Total	20	5153.70	8	350.11	28	5503.81
Maharashtra	Bhandara	Kyanite	-	-	5	142.73	5	142.73
		Manganese ore	5	325.44	-	-	5	325.44
	Chandrapur	Fluorite	-	-	1	32.70	1	32.70
	Gondia	Iron ore	-	-	1	9.32	1	9.32
	Nagpur	Manganese ore	13	382.89	-	-	13	382.89
	Yeotmal	Limestone	-	-	2	119.75	2	119.75
		Total	18	708.33	9	304.50	27	1012.83

Contd...

Table-14 (contd.)

State	Districts	Minerals	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	Bargarh	Limestone	-	-	1	304.32	1	304.32
	Dhenkanal	Chromite	-	-	2	847.49	2	847.49
	Ganjam	Sillimanite	1	2464.05	-	-	1	2464.05
	Jajpur	Chromite	-	-	7	3117.36	7	3117.36
		Iron ore	-	-	1	1812.99	1	1812.99
	Kalahandi	Ruby	-	-	3	120.80	3	120.80
		Chromite	-	-	3	1930.17	3	1930.17
	Keonjhar	Iron ore	8	6342.13	11	6722.19	19	13064.32
		Manganese ore	1	266.77	4	1448.44	5	1715.21
		Bauxite	2	4647.27	1	428.31	3	5075.58
	Koraput	Limestone	-	-	2	1586.22	2	1586.22
		Garnet (Gem)	-	-	1	33.95	1	33.95
	Nawapara	Limestone	-	-	3	332.96	3	332.96
		Manganese ore	-	-	1	501.67	1	501.67
	Raygada	Manganese ore	-	-	1	501.67	1	501.67
	Sambalpur	Iron ore	1	874.29	-	-	1	874.29
	Sundargarh	Bauxite	1	117.44	-	-	1	117.44
		Iron ore	4	2593.64	4	2180.90	8	4774.54
		Limestone	2	1024.49	-	-	2	1024.49
		Total	20	18330.08	44	21367.77	64	39697.85
Rajasthan	Jaisalmer	Limestone	-	-	2	1998.40	2	1998.40
	Jalore	Fluorite	-	-	4	1175.00	4	1175.00
	Jhunjhunu	Copper ore	3	706.75	-	-	3	706.75
	Sirohi	Lead & Zinc ore	-	-	1	63.00	1	63.00

Concl...

Table-14 (concl.)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
Rajasthan (concl.)	Udaipur	Phosphorite	-	-	4	1851.44	4	1851.44
		Total	3	706.75	11	5087.84	14	5794.59
Sikkim	Sikkim East	Copper ore	-	-	3	96.32	3	96.32
		Total	-	-	3	96.32	3	96.32
Tamil Nadu	Ariyalur	Limestone	-	-	6	624.35	6	624.35
	Kanyakumari	Garnet	3	153.19	-	-	3	153.19
	Salem	Magnesite	3	761.86	-	-	3	761.86
	Sivaganga	Graphite	-	-	2	242.46	2	242.46
	Tirunelveli	Garnet	-	-	1	4.36	1	4.36
		Limestone	-	-	2	31.67	2	31.67
	Vellore	Vermiculite	-	-	1	23.71	1	23.71
	Virudhunagar	Limestone	-	-	3	869.91	3	869.91
		Total	6	915.05	15	1796.46	21	2711.51
Telangana	Adilabad	Limestone	1	839.38	1	210.00	2	1049.38
	Rangareddy	Limestone	1	613.79	-	-	1	613.79
	Total	2	1453.17	1	210.00	3	1663.17	
Uttarakhand	Bageshwar	Magnesite	1	165.08	-	-	1	165.08
		Total	1	165.08	-	-	1	165.08
West Bengal	Purulia	Phosphorite	-	-	1	13.47	1	13.47
		Total	-	-	1	13.47	1	13.47

Source: Information received from respective State Government Departments and Regional Offices of IBM.
(Excluding coal, lignite, petroleum, natural gas, atomic mineral and minor minerals)

P: Provisional

Prospecting Licences

Under the Mines & Minerals (Development & Regulation) Act, 1957, “Prospecting Licence” (PL) means a licence granted for the purpose of undertaking “prospecting operations” with a view to 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 under taking prospecting operations followed by mining operations) under provisions of Minerals (other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016. The area restrictions for prospecting licences have been substantially liberalised by making such restrictions applicable state wise instead of the country as a whole.

4.1 STATE WISE DISTRIBUTION OF PROSPECTING LICENCE

As per information received from the State Governments/Union Territories, during 2016-17, no information regarding “Prospecting licence-cum-mining lease” or composite licence” having been approved/granted was received.

4.2 MINERAL WISE DISTRIBUTION OF PROSPECTING LICENCES

During 2016-17, no information regarding “Prospecting licence-cum-mining lease” or composite licence” having been approved/granted was received.

The state wise & mineral wise distribution of prospecting licences granted during 2014-15 to 2016-17 is given in Table-15 and 16 respectively.

**Table-15: Prospecting Licences Granted from 2014-15 to 2016-17 (P)
(By States)**

State	2014-15*		2015-16**		2016-17**	
	No.	Area (In ha)	No.	Area (In ha)	No.	Area (In ha)
Andhra Pradesh	-	-	1	900.00		
Arunachal Pradesh	3	6122.00	-	-		
Chhattisgarh	5	56.64	1	1548.00		
Gujarat	-	-	-	-		
Jharkhand	4	21.75	-	-	Nil	Nil
Madhya Pradesh	29	1385.39	-	-		
Maharashtra	-	-	-	-		
Manipur	-	-	-	-		
Odisha	-	-	3	421.048		
Rajasthan	109	19630.03	-	-		
Tamil Nadu	8	249.97	-	-		
Telangana	6	767.83	-	-		
Uttarakhand	4	21.75	-	-		
Total	168	28255.36	5	2869.048		

*Excluding Atomic Minerals, Coal, Lignite, Petroleum and Natural Gas (includes the minerals declared as minors as per Gazette Notification dated 10th February 2015).

** Excluding Atomic Minerals, Coal, Lignite, Petroleum and Natural Gas & minor minerals.

Source: As data received from various State Governments.

P: Provisional

Table-16: Prospecting Licences Granted from 2014-15 to 2016-17(P)
(By Minerals)

Mineral	2014-15*		2015-16**		2016-17**	
	No.	Area (In ha)	No.	Area (In ha)	No.	Area (In ha)
Barytes	-	-	-	-		
Bauxite	-	-	-	-		
Calcite	8	361.96	-	-		
China clay	3	100.00	-	-		
Chromite	-	-	3	421.048		
Diamond	-	-	-	-		
Dolomite	2	20.60	-	-		
Fireclay	-	-	-	-		
Garnet (abrasive)	1	160.77	-	-		
Graphite	6	3708.44	-	-		
Gypsum	15	5469.16	-	-		
Iron ore	2	221.09	-	-		
Laterite	6	54.05	-	-		
Limestone	18	1060.78	-	-	Nil	Nil
Limestone (cement grade)	17	13080.40	-	-		
Manganese ore	5	819.86	-	-		
Mica	-	-	-	-		
Pyrophyllite	1	6.84	-	-		
Quartz	1	5.00	-	-		
Red ochre	1	42.00	-	-		
Rock Phosphate	3	101.10	-	-		
Talc/Soapstone/steatite	4	21.75	-	-		
Semi Precious Stone	-	-	-	-		
Silica sand	28	1222.27	-	-		
Siliceous Earth	4	264.79	-	-		
Group of minerals	43	1534.50	2	2448.00		
Total	168	28255.36	5	2869.048		

*Excluding Atomic Minerals, Coal, Lignite, Petroleum and Natural Gas (includes the minerals declared as minors as per Gazette Notification dated 10th February 2015).

** Excluding Atomic Minerals, Coal, Lignite, Petroleum and Natural Gas & minor minerals.

Source: As data received from various State Governments.

P: Provisional

4.3 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.

During 2015-16, no information regarding “Prospecting licence-cum-mining lease” or composite licence” having been approved/granted was received.

Reconnaissance Permits

The provision of Reconnaissance Permit (RP) was introduced with effect from 20.12.1999 under the Mines & Minerals (Development & Regulation) Act, 1957 and from 18.1.2000 under the Mineral Concession Rules, 1960 & Mineral Conservation and Development Rules, 1988 made under the Act. Reconnaissance Permit is a permit granted for the purpose of undertaking “reconnaissance operations” which means any operation undertaken for preliminary prospecting of a mineral through regional, aerial, geophysical or geochemical surveys and geological mapping, but does not include pitting, trenching, drilling (except drilling of boreholes on a grid specified from time to time by the Central Government) or subsurface excavation.

As per Section 6 (1) one or more Reconnaissance Permits covering a total area of 10,000 sq.km may be granted provided that the area granted under a single Reconnaissance Permit shall not exceed 5000 sq km in a State. As per Section 7 (1) the period for which a Reconnaissance Permit may be granted shall not exceed 3 years.

As per section 10C(1) of Mines and Minerals (Development and Regulation) Amendment Act, 2015, Non-Exclusive Reconnaissance Permits may be granted in respect of any notified minerals or non-notified or a group of specified minerals, other than minerals specified in Part A or Part B of the First Schedule, subject to such terms and conditions as may be prescribed by the Central Government. (2) The holder of such non-exclusive reconnaissance permit shall not be entitled to make any claim for the grant of any prospecting licence-cum-mining lease or a mining lease. As per the Rule 3(2) of The Mineral (Non-exclusive Reconnaissance Permits) Rules, 2015, the State Government shall establish an online system for grant of non-exclusive reconnaissance permits.

During 2016-17, no information regarding Reconnaissance Permits/Non-Exclusive Reconnaissance Permits having been approved/granted was received.

