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INDIAN BUREAU OF MINES

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MINING LEASES & PROSPECTING LICENCES, 2015
(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/revoked/surrendered. Bulletin of Mineral Information, Bulletin of Mining Leases and Prospecting Licences are published based on this information. Currently in its 18th edition, this publication "Bulletin of Mining Leases and Prospecting Licences 2015" (Excluding Atomic Minerals, Coal, Lignite, Petroleum, Natural Gas & Minor minerals) contains information on Mining Leases, Prospecting Licences as well as Reconnaissance Permits as on 31-3-2015. 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 categories and integrated in to 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 31-3-2015, which in turn was compiled from the data supplied by the different State Governments under the statutory provision of the Rule 59(2) of Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016. So far as prospecting licences/reconnaissance permits 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 Hydro Carbons Energy Minerals) Concession Rules, 2016 for the same period have been utilised. Apart of this , the approval orders in case of reconnaissance permits were also used as source of information.

Indian Bureau of Mines is grateful to all the State Government Departments for furnishing information on mining leases, prospecting licences, reconnaissance permits, etc. It is presumed that this publication would be quite useful to all those associated with mineral sector.

Nagpur
Dated: /11/2016


(R.K.Sinha)
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Contents

1.	INTRODUCTION	1
2.	LAND USE SCENARIO	3
3.	MINING LEASES	4
	3.1 State wise Analysis	4
	3.2 District wise Analysis	43
	3.3 Mineral wise Analysis	46
	3.4 Frequency Distribution	49
	3.5 Sector wise Distribution	53
4.	PROSPECTING LICENCES	63
	4.1 State wise Distribution	63
	4.2 Mineral wise Distribution	63
5.	RECONNAISSANCE PERMITS	66

Introduction

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 0.10% (339,972 hectares). The position of mining leases as on 31.3.2015 reveals that there are as many as 3,868 mining leases of major minerals granted in the country by the State Governments covering 40 minerals (excluding coal, lignite, petroleum, natural gas, atomic mineral and all minor minerals) with a total lease area of about 339,972 hectares and spread over 24 States. These 40 minerals are broadly classified into metallic and non-metallic minerals. 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.

India is well-endowed with a wide variety of naturally occurring 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. Today, as many as 40 minerals including major metallic and non-metallic minerals are being exploited in the country excluding coal, atomic, minerals and all minor minerals.

The Indian Mineral Sector is opened fully to private sector including domestic and foreign. The Government of India in its National Mineral Policy 2008, has enunciated policy measures like assured right to next stage mineral concession, transferability of mineral concessions and transparency in allotment of concession in order to reduce delays and with a purpose to weed out impediments that hinder inflow of investments and technology into the Mining Sector of the country. These policy initiatives would provide suitable environment for exploration and judicious utilisation of the country's mineral wealth. Apart from these, the

National Mineral Policy has enunciated several policy measures that seek to strengthen the framework/institutions that support the Indian Mining Sector which includes Geological Survey of India, Indian Bureau of Mines and State Directorates of Geology & Mining.

Under Rule 57 (1) of MCR, 1960, a copy of every reconnaissance permit, (no provision for renewal of reconnaissance permits), prospecting licence and mining lease granted or renewed 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 57 (2) of MCR, 1960 all the State Governments/Union Territories are required to submit to the Controller General, Indian Bureau of Mines, a consolidated annual return of reconnaissance permits/prospecting licences/mining leases 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 on or before 30th June every year.

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.

Sl. No.	Area/Segment	Total Area (Million ha)	Percentage of Area
	Total Geographical Area	328.73	100
1	Net Area Sown (Crop Area)	139.93	42.57
2	Permanent Pastures & Grazing Land	10.24	3.12
3	Forest	70.01	21.30
4	Mining Lease Area*	0.34	0.10
5	Fallow Lands	26.28	7.99
6	Land Not Available for Cultivation	60.27	18.33
7	Other area	21.66	6.59

Source : Directorate of Economics & Statistics, Department of Agriculture & Cooperation, Pocket Book of Agricultural Statistics, 2015.

* Source : ML Directory as on 31.03.2015 prepared by IBM based on data received from State Govt.s/UTs. (Excluding coal, lignite, petroleum, natural gas, atomic mineral and all minor minerals)

The mining lease area constitutes around 339,971.53 hectares which is approximately 0.10% 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 environmental aspects, as these land areas under mining leases are subjected to various processes of mining activity and are liable for degradation.

Mining Leases

3.1 STATE WISE ANALYSIS

As per the Mining Lease Directory as on 31.3.2015, there were 3,868 mining leases granted by State Governments for 40 different major minerals, covering an area of about 339,972 hectares in the country. States rich in minerals where maximum number of mining leases were granted are Madhya Pradesh (15.85%), followed by Tamil Nadu (14.04%), Gujarat (11.79%), Andhra Pradesh (10.83%), Karnataka (10.29%), Odisha (10.26%), Chhattisgarh (4.86%), Maharashtra (4.45%), Rajasthan(4.32%), Jharkhand (4.29%), Telangana (2.84%) and Goa (2.33%). These twelve States together account for about 96.15% of the total leases executed and the remaining twelve States where such leases were executed accounted for about 3.85% of the total mining leases.

The maximum area in percentage covered under mining leases in different States are Odisha (20.28%), followed by Rajasthan (13.90%), Karnataka (13.16%), Madhya Pradesh (9.45%), Andhra Pradesh (7.42%), Jharkhand (6.96%), Chhattisgarh (6.76%), Gujarat (6.52%), Maharashtra (3.69%),Telangana (3.23%), Tamil Nadu (2.76%) and Goa (2.18%). These twelve States account for about 96.31% of the total mining lease area granted and the remaining 3.69% is 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 31.03.2015 are furnished in Tables - 1 to 4.

**Table – 1: State wise Summary of Lease Distribution
As on 31.03.2015**

	No. of Leases	Percentage	Area (In ha)	Percentage
Andhra Pradesh	419	10.83	25238.40	7.42
Assam	7	0.18	889.50	0.26
Bihar	12	0.31	387.47	0.11
Chhattisgarh	188	4.86	22997.03	6.76
Goa	90	2.33	7402.98	2.18
Gujarat	456	11.79	22174.43	6.52
Haryana	4	0.10	46.85	0.01
Himachal Pradesh	41	1.06	2532.63	0.75
Jammu & Kashmir	35	0.90	2012.48	0.59
Jharkhand	166	4.29	23671.72	6.96
Karnataka	398	10.29	44753.79	13.16
Kerala	15	0.39	2246.49	0.66
Madhya Pradesh	613	15.85	32112.90	9.45
Maharashtra	172	4.45	12534.42	3.69
Manipur	1	0.03	132.78	0.04
Meghalaya	17	0.44	601.29	0.18
Odisha	397	10.26	68930.28	20.28
Rajasthan	167	4.32	47268.35	13.90
Sikkim	3	0.08	96.32	0.03
Tamil Nadu	543	14.04	9373.58	2.76
Telangana	110	2.84	10966.12	3.23
Uttar Pradesh	5	0.13	3397.80	1.00
Uttarakhand	5	0.13	183.04	0.05
West Bengal	4	0.10	20.88	0.01
All India	3868	100.00	339971.53	100.00

**Table – 2 : Mineral wise Summary of Lease Distribution
As on 31/03/2015**

Sl. No.	Minerals	No. of Leases	Area (In ha)
1	Amethyst	3	7.83
2	Apatite	2	20.17
3	Aquamarine	1	24.29
4	Asbestos	7	394.74
5	Bauxite	339	25724.38
6	Borax	1	159.00
7	Chromite	35	9068.50
8	Copper Ore	14	4678.25
9	Diamond	2	275.96
10	Emerald	1	46.32
11	Epidote	2	220.83
12	Flint Stone	2	11.77
13	Fluorite	11	1289.60
14	Garnet	107	1544.74
15	Garnet (Gem)	3	51.03
16	Gold	11	7445.46
17	Graphite	136	4256.73
18	Iolite	14	195.70
19	Iron ore	541	83360.20
20	Kyanite	30	1349.50
21	Lead & Zinc ore	13	10618.88
22	Limeshell	25	2889.58
23	Limestone	1972	158972.12
24	Magnesite	36	1871.03
25	Manganese ore	297	15491.19
26	Marl	1	4.90
27	Moulding sand	35	841.85
28	Nephelene Syenite	1	14.28
29	Phosphorite	11	2158.71
30	Red oxide	4	193.42

concl...

Table-2 (concl.d.)

Sl. No.	Minerals	No. of Leases	Area (In ha)
31	Ruby	6	130.00
32	Sapphire	1	673.40
33	Semi-precious stones	13	134.43
34	Siliceous earth	26	300.63
35	Sillimanite	7	3027.06
36	Tin	16	324.72
37	Vermiculite	66	1035.74
38	White clay	44	663.74
39	White shale	15	77.34
40	Wollastonite	17	423.51
	Total	3868	339971.53

**Table – 3 : State wise/Mineral wise Distribution of Mining Lease
As on 31.3.2015**

State	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh	Apatite	1	16.12
	Asbestos	5	228.17
	Garnet	7	824.16
	Gold	1	597.82
	Iron ore	58	2411.67
	Lead & Zinc ore	1	15.89
	Limeshell	3	79.54
	Limestone	216	19094.97
	Manganese ore	37	762.49
	Moulding sand	2	23.48
	Red Oxide	1	16.22
	Semi-precious Stones	13	134.43
	Vermiculite	55	931.54
	White clay	4	24.56
	White shale	15	77.34
	Total	419	25238.40
Assam	Limestone	7	889.50
	Total	7	889.50
Bihar	Limestone	12	387.47
	Total	12	387.47
Chhattisgarh	Bauxite	26	5399.90
	Graphite	1	67.11
	Iron ore	20	8847.66
	Limestone	119	8339.34
	Moulding sand	6	33.65
	Tin	15	303.87

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (concl.d.)	White clay	1	5.50
	Total	188	22997.03
Goa	Bauxite	1	667.27
	Iron ore	76	5783.46
	Manganese ore	13	952.25
	Total	90	7402.98
Gujarat	Bauxite	146	5404.07
	Copper ore	1	184.98
	Fluorite	2	63.20
	Limestone	298	16493.14
	Manganese ore	1	2.95
	Marl	1	4.90
	Moulding sand	3	5.82
	White clay	4	15.37
Total	456	22174.43	
Haryana	Limestone	4	46.85
	Total	4	46.85
Himachal Pradesh	Limestone	41	2532.63
	Total	41	2532.63
Jammu & Kashmir	Borax	1	159.00
	Limestone	32	694.78
	Magnesite	1	485.30
	Sapphire	1	673.40
	Total	35	2012.48

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Jharkhand	Bauxite	45	3541.20
	Copper ore	3	2313.37
	Flint Stone	2	11.77
	Garnet	1	8.20
	Gold	1	19.50
	Graphite	19	840.98
	Iron ore	48	11433.46
	Kyanite	7	869.67
	Limestone	39	4612.38
	Manganese ore	1	21.19
	Total	166	23671.72
Karnataka	Bauxite	5	370.02
	Chromite	6	1306.39
	Copper ore	2	416.83
	Gold	9	6828.14
	Graphite	4	235.03
	Iron ore	123	14865.84
	Kyanite	7	47.97
	Limeshell	16	1451.03
	Limestone	140	14994.56
	Magnesite	9	163.83
	Manganese ore	53	3440.22
	Moulding sand	19	616.42
	Ruby	3	9.20
	Vermiculite	2	8.31
Total	398	44753.79	

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Kerala	Bauxite	2	0.72
	Graphite	1	1.25
	Iron ore	1	86.06
	Limeshell	5	1354.40
	Limestone	1	245.69
	Sillimanite	5	558.37
	Total	15	2246.49
Madhya Pradesh	Bauxite	70	1017.96
	Copper ore	2	960.00
	Diamond	2	275.96
	Iron ore	21	256.46
	Lead & Zinc ore	2	12.76
	Limestone	409	26994.63
	Manganese ore	89	2007.25
	Phosphorite	5	150.67
	Vermiculite	1	2.65
	White clay	12	434.56
	Total	613	32112.90
Maharashtra	Bauxite	33	4363.87
	Chromite	1	16.22
	Fluorite	1	32.70
	Iron ore	26	1177.22
	Kyanite	12	222.37
	Limestone	52	5507.59
	Manganese ore	42	1037.04
	Moulding sand	2	155.07

contd...

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Maharashtra (concl.d.)	White clay	3	22.34
	Total	172	12534.42
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	7	4542.38
	Chromite	27	7613.11
	Garnet (Gems)	2	46.03
	Graphite	104	2834.83
	Iolite	14	195.70
	Iron ore	142	36157.21
	Kyanite	1	55.49
	Lead & zinc ore	1	5.26
	Limestone	46	8180.44
	Manganese ore	44	6488.99
	Nephelene Syenite	1	14.28
	Ruby	3	120.80
	Sillimanite	1	2464.05
	Tin	1	20.85
Total	397	68930.28	

Contd.

Table-3 (contd.)

State	Minerals	No. of Leases	Area (In ha)
Rajasthan	Copper Ore	3	706.75
	Emerald	1	46.32
	Epidote	2	220.83
	Fluorite	8	1193.70
	Garnet	17	80.79
	Garnet (Gem)	1	5.00
	Iron ore	19	2284.17
	Kyanite	3	154.00
	Lead & Zinc ore	9	10584.97
	Limestone	43	28911.40
	Magnesite	5	119.75
	Manganese ore	1	18.89
	Phosphorite	5	1994.57
	Red Oxide	3	177.20
	Siliceous earth	26	300.63
	Vermiculite	4	45.87
	Wollastonite	17	423.51
	Total	167	47268.35
Sikkim	Copper ore	3	96.32
	Total	3	96.32
Tamil Nadu	Apatite	1	4.05
	Bauxite	4	416.99
	Garnet	77	609.75
	Graphite	7	277.53
	Limeshell	1	4.61
	Limestone	434	7108.29

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Table-3 (concl.d.)

State	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (concl.d.)	Magnesite	18	928.65
	Vermiculite	1	23.71
	Total	543	9373.58
Telangana	Amethyst	3	7.83
	Garnet	5	21.84
	Iron ore	7	56.99
	Limestone	56	9934.47
	Manganese ore	16	759.92
	Vermiculite	3	23.66
	White clay	20	161.41
	Total	110	10966.12
Uttar Pradesh	Limestone	5	3397.80
	Total	5	3397.80
Uttarakhand	Limestone	2	9.54
	Magnesite	3	173.50
	Total	5	183.04
West Bengal	Moulding sand	3	7.41
	Phosphorite	1	13.47
	Total	4	20.88

**Table-4 : State wise/District wise /Mineral wise Distribution of Mining Leases
As on 31.3.2015**

State	Districts	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh	Anantapur	Iron ore	8	196.59
		Limestone	32	1548.17
		Red oxide	1	16.22
		Total	41	1760.98
	Chittoor	White shale	1	6.68
		Total	1	6.68
	Cuddapah	Asbestos	5	228.17
		Iron ore	10	971.06
		Lead & Zinc ore	1	15.89
		Limestone	19	3051.27
		Total	35	4266.39
	Guntur	Limestone	31	3276.72
		White clay	2	11.79
		White shale	1	33.01
		Total	34	3321.52
	Krishna	Iron ore	5	25.26
		Limestone	15	3220.30
		Total	20	3245.56
	Kurnool	Gold	1	597.82
		Iron ore	29	457.40
		Limestone	118	7996.89
		White shale	13	37.65
		Total	161	9089.76
	Nellore	Iron ore	2	222.21
		Limeshell	2	75.54
		Moulding sand	2	23.48
		Vermiculite	55	931.54
		Total	61	1252.77

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Andhra Pradesh (contd.)	Prakasam	Garnet	4	4.71
		Iron ore	4	539.15
		Total	8	543.86
	Srikakulam	Garnet	2	815.08
		Limeshell	1	4.00
		Total	3	819.08
	Visakhapatnam	Apatite	1	16.12
		Garnet	1	4.37
		Limestone	1	1.62
		Semi-precious Stones	13	134.43
		White clay	2	12.77
		Total	18	169.31
	Vizianagaram	Manganese ore	37	762.49
		Total	37	762.49
	Assam	Karbi Anglong	Limestone	1
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	23	5153.89
		Total	23	5153.89
	Balrampur	Bauxite	3	3742.63
		Graphite	1	67.11
		Total	4	3809.74
	Bastar	Limestone	18	55.03
		Total	18	55.03
	Bemetara	Limestone	1	17.90
		Total	1	17.90
	Bijapur	Tin	1	3.70
		Total	1	3.70
	Bilaspur	Limestone	1	582.96
		Total	1	582.96
	Dantewara	Iron ore	6	2696.22
		Tin	8	116.21
		Total	14	2812.43
	Durg	Limestone	46	1350.45
Moulding sand		3	12.12	
Total		49	1362.57	
Janjgir-Champa	Limestone	3	713.32	
	Total	3	713.32	

Contd..

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Chhattisgarh (contd.)	Jashpur	Bauxite	2	40.61
		Total	2	40.61
	Kabirdham	Bauxite	3	669.64
		Limestone	4	21.59
		Total	7	691.23
	Kanker	Bauxite	3	13.22
		Iron ore	7	3205.79
		Moulding sand	1	13.84
		Total	11	3232.85
	Kondagaon	Bauxite	2	27.28
		Total	2	27.28
	Narayanpur	Iron ore	1	192.25
		Total	1	192.25
	Raigarh	Limestone	5	18.92
		Total	5	18.92
	Raipur	Limestone	17	420.63
		Total	17	420.63
	Rajnandgaon	Iron ore	2	190.71
		Limestone	1	4.65
		Moulding sand	2	7.69
		White clay	1	5.50
		Total	6	208.55

contd.

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Chhattisgarh (concl.)	Sukma	Tin	6	183.96	
		Total	6	183.96	
	Surguja	Bauxite	13	906.52	
		Total	13	906.52	
Goa	North Goa	Iron ore	41	3007.92	
		Manganese ore	3	210.95	
		Total	44	3218.87	
	South Goa	Bauxite	1	667.27	
		Iron ore	35	2775.54	
		Manganese ore	10	741.30	
		Total	46	4184.11	
	Gujarat	Amreli	Bauxite	1	12.68
			Limestone	5	1864.77
			Total	6	1877.45
Aravali		Bauxite	4	16.39	
		Total	4	16.39	
Banaskantha		Copper ore	1	184.98	
		Limestone	1	21.24	
		Total	2	206.22	
Bhavnagar		Limestone	1	20.00	
		Moulding sand	1	2.80	
		Total	2	22.80	

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Gujarat (contd.)	Chhota Udaipur	Fluorite	2	63.20
		Total	2	63.20
	Devbhoomi Dwarka	Bauxite	109	3129.81
		Limestone	30	1128.96
		Marl	1	4.90
		Total	140	4263.67
	Gir Somnath	Limestone	81	3274.28
		Total	81	3274.28
	Jamnagar	Limestone	23	888.57
		Total	23	888.57
	Junagarh	Limestone	24	340.04
		Total	24	340.04
	Kheda	Bauxite	14	64.18
		Limestone	4	16.00
		Total	18	80.18
	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	

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Gujarat (concl.)	Patan	White clay	3	10.37
		Total	3	10.37
	Porbandar	Bauxite	6	112.39
		Limestone	113	2197.94
		Total	119	2310.33
	Rajkot	Limestone	3	12.00
		Total	3	12.00
	Sabarkantha	Bauxite	1	19.16
		Limestone	2	2.53
		Total	3	21.69
	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
		Total	1	725.86

Contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Himachal Pradesh (concl.)	Sirmur	Limestone	36	493.02
		Total	36	493.02
	Solan	Limestone	3	1082.50
		Total	3	1082.50
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	7	240.53
		Total	7	240.53
	Reasi	Magnesite	1	485.30
		Total	1	485.30
	Srinagar	Limestone	2	222.21
		Total	2	222.21

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Jharkhand	Bokaro	Limestone	1	17.57
		Total	1	17.57
	Garwah	Limestone	3	1178.92
		Total	3	1178.92
	Gumla	Bauxite	27	2332.00
		Total	27	2332.00
	Hazaribagh	Garnet	1	8.20
		Limestone	2	84.83
		Total	3	93.03
	Latehar	Bauxite	2	475.87
		Graphite	1	7.22
		Iron ore	2	48.18
		Total	5	531.27
	Lohardaga	Bauxite	16	733.33
		Total	16	733.33
	Palamau	Graphite	18	833.76
		Iron ore	6	131.05
		Limestone	1	1043.84
		Total	25	2008.65
	Ramgarh	Limestone	5	109.68
		Total	5	109.68

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Jharkhand (concl.)	Ranchi	Limestone	4	1289.54
		Total	4	1289.54
	Sahebganj	Flint Stone	2	11.77
		Total	2	11.77
	Saraikela-Kharaswan	Kyanite	4	773.98
		Total	4	773.98
	Singhbhum (East)	Copper ore	3	2313.37
		Gold	1	19.50
		Total	4	2332.87
	Singhbhum (West)	Iron ore	40	11254.23
		Kyanite	3	95.69
		Limestone	23	888.00
		Manganese ore	1	21.19
		Total	67	12259.11
	Karnataka	Bagalkot	Iron ore	3
Limestone			87	5542.98
Total			90	5617.82
Bengaluru		Ruby	1	4.07
		Total	1	4.07

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (contd.)	Belgaum	Bauxite	5	370.02
		Iron ore	1	20.23
		Limestone	19	1559.11
		Manganese ore	1	40.47
		Moulding sand	3	31.57
		Total	29	2021.40
	Bellary	Iron ore	85	8335.06
		Manganese ore	7	405.16
		Moulding sand	1	4.04
		Total	93	8744.26
	Chikmagalur	Iron ore	2	4610.31
		Total	2	4610.31
	Chitradurga	Copper ore	2	416.83
		Iron ore	13	595.90
		Limestone	13	1538.15
		Manganese ore	22	964.31
		Total	50	3515.19
	Dawangere	Iron ore	1	38.44
		Manganese ore	4	79.51
		Moulding sand	5	165.51
		Total	10	283.46
	Gadag	Iron ore	4	190.37
		Total	4	190.37

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (contd.)	Gulbarga	Gold	1	55.75
		Limestone	15	5941.05
		Moulding sand	1	91.00
		Total	17	6087.80
	Hassan	Chromite	6	1306.39
		Kyanite	1	2.93
		Total	7	1309.32
	Haveri	Moulding sand	5	199.49
		Total	5	199.49
	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	522.29
		Limeshell	13	1143.06
		Manganese ore	9	811.48
		Total	27	2476.83

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Karnataka (concl.)	Raichur	Gold	6	1521.14
		Total	6	1521.14
	Shimoga	Kyanite	1	2.43
		Limestone	1	40.12
		Manganese ore	2	543.60
		Total	4	586.15
	Tumkur	Gold	1	38.04
		Iron ore	9	478.40
		Limestone	3	350.01
		Manganese ore	8	595.69
		Total	21	1462.14
	Udupi	Limeshell	3	307.97
		Total	3	307.97
	Yadgir	Limestone	1	2.91
		Moulding Sand	4	124.81
Total		5	127.72	
Kerala	Alappuzha (Alleppey)	Limeshell	3	759.90
		Total	3	759.90
	Ernakulam	Graphite	1	1.25
	Total	1	1.25	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Kerala (concl.d.)	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	Limestone	1	245.69	
		Total	1	245.69	
	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	2	960.00	
		Iron ore	1	4.95	
		Limestone	5	25.80	
		Manganese ore	65	1719.38	
		Total	74	2750.60	
Betul		Lead & Zinc ore	2	12.76	
	White clay	1	39.84		
	Total	3	52.60		

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh (contd.)	Chhatarpur	Phosphorite	1	48.76
		Total	1	48.76
	Chhindwara	Manganese ore	13	154.88
		Total	13	154.88
	Damoh	Limestone	8	2621.77
		Total	8	2621.77
	Dhar	Limestone	31	2214.44
		Total	31	2214.44
	Gwalior	Iron ore	3	19.90
		Total	3	19.90
	Jabalpur	Bauxite	5	34.15
		Iron ore	14	212.88
		Limestone	2	12.95
		Manganese ore	7	44.76
		White clay	1	18.66
		Total	29	323.40
	Jhabua	Limestone	1	9.00
		Manganese ore	3	39.67
		Phosphorite	3	49.11
		Total	7	97.78
	Katni	Bauxite	26	387.30
Iron ore		1	2.06	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh (contd.)	Katni (concl.)	Limestone	162	5139.95
		Manganese ore	1	48.56
		White clay	2	3.64
		Total	192	5581.51
	Narasinhapur	Limestone	2	4.65
		Total	2	4.65
	Nimach	Limestone	8	1904.05
		Total	8	1904.05
	Panna	Diamond	2	275.96
		Limestone	1	48.39
		Total	3	324.35
	Rewa	Bauxite	12	146.88
		Limestone	32	2180.18
		Total	44	2327.06
	Sagar	Iron ore	2	16.67
		Limestone	2	55.40
		Phosphorite	1	52.80
		Total	5	124.87
	Satna	Bauxite	20	227.85
		Limestone	142	11696.26
		White clay	8	372.42
		Total	170	12296.53
	Shyopur	Limestone	8	513.48
		Total	8	513.48

(contd.)

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Madhya Pradesh (concl.)	Sidhi	Bauxite	3	10.49
		Limestone	4	566.16
		Total	7	576.65
Maharashtra	Bhandara	Chromite	1	16.22
		Kyanite	12	222.37
		Manganese ore	7	345.87
		Total	20	584.46
	Chandrapur	Fluorite	1	32.70
		Iron ore	4	37.91
		Limestone	16	3342.47
		White clay	1	18.00
		Total	22	3431.08
	Gadchiroli	Iron ore	3	355.12
		Total	3	355.12
	Gondia	Iron ore	4	26.97
		Total	4	26.97
	Kolhapur	Bauxite	15	2893.13
		Iron ore	1	144.00
		Total	16	3037.13
	Nagpur	Manganese ore	35	691.17
		White clay	2	4.34
		Total	37	695.51
	Raigad	Bauxite	9	523.12
		Total	9	523.12

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)	
Maharashtra (concl.)	Ratnagiri	Bauxite	7	777.56	
		Moulding sand	2	155.07	
		Total	9	932.63	
	Satara	Bauxite	1	125.06	
		Total	1	125.06	
	Sindhudurg	Bauxite	1	45.00	
		Iron ore	14	613.22	
		Total	15	658.22	
	Yeotmal	Limestone	36	2165.12	
		Total	36	2165.12	
	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	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha	Bargarh	Graphite	13	385.16
		Limestone	3	903.56
		Total	16	1288.72
	Bolangir	Garnet (Gem)	1	12.08
		Graphite	59	1409.19
		Lead & zinc ore	1	5.26
		Limestone	1	27.65
		Manganese ore	1	7.27
		Total	63	1461.45
	Dhenkanal	Chromite	4	1074.11
		Graphite	2	38.84
		Total	6	1112.95
	Ganjam	Sillimanite	1	2464.05
		Total	1	2464.05
	Jajpur	Chromite	17	4344.72
		Iron ore	1	1812.99
		Total	18	6157.71
	Kalahandi	Graphite	11	193.72
		Iolite	10	80.06
		Ruby	3	120.80
		Total	24	394.58

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha (contd.)	Keonjhar	Asbestos	1	49.22
		Chromite	6	2194.28
		Iron ore	86	24678.44
		Manganese ore	17	2883.81
		Total	110	29805.75
	Koraput	Bauxite	3	2827.36
		Limestone	2	1586.22
		Nephelene Syenite	1	14.28
		Total	6	4427.86
	Malkangiri	Tin	1	20.85
		Total	1	20.85
	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
		Manganese ore	5	579.58
Total		19	2574.32	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Odisha (Concl.)	Sambalpur	Aquamarine	1	24.29
		Total	1	24.29
	Sonepur	Iolite	4	115.64
		Total	4	115.64
	Sundargarh	Bauxite	3	326.28
		Iron ore	44	7898.13
		Limestone	37	5330.05
		Manganese ore	21	3018.33
		Total	105	16572.79
	Rajasthan	Ajmer	Emerald	1
Garnet			8	37.53
Lead & Zinc Ore			1	480.45
Limestone			2	1304.83
Magnesite			2	9.75
Vermiculite			3	13.50
Wollastonite			11	102.49
Total			28	1994.87
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	12	120.59
		Total	12	120.59

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (contd.)	Bhilwara	Garnet	3	14.00
		Garnet (Gem)	1	5.00
		Iron ore	2	1989.88
		Kyanite	3	154.00
		Lead & Zinc ore	1	1200.00
		Total	10	3362.88
	Bundi	Limestone	1	3980.00
		Total	1	3980.00
	Chittorgarh	Limestone	9	4967.51
		Total	9	4967.51
	Dungarpur	Fluorite	2	9.95
		Total	2	9.95
	Jaipur	Epidote	2	220.83
		Iron ore	6	49.17
		Limestone	2	581.15
		Siliceous earth	1	74.00
		Total	11	925.15
	Jaisalmer	Limestone	2	1998.04
		Siliceous earth	13	106.04
		Total	15	2104.08
	Jalore	Fluorite	6	1183.75
		Total	6	1183.75

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (contd.)	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	2	4875.42
		Total	2	4875.42
	Nagaur	Limestone	7	2903.17
		Total	7	2903.17
	Pali	Limestone	5	3116.05
		Magnesite	3	110.00
		Vermiculite	1	32.37
		Wollastonite	2	28.86
		Total	11	3287.28
	Rajsamand	Lead & Zinc ore	3	1725.82
		Total	3	1725.82
	Sikar	Iron ore	3	34.55
		Limestone	3	889.13
		Total	6	923.68
	Sirohi	Lead & Zinc ore	2	115.00
		Limestone	5	1124.00
		Wollastonite	2	77.86
		Total	9	1316.86

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Rajasthan (concl.d.)	Tonk	Garnet	6	29.26
		Total	6	29.26
	Udaipur	Lead & Zinc ore	2	7063.70
		Limestone	3	1036.28
		Phosphorite	5	1994.57
		Red oxide	3	177.20
		Wollastonite	2	214.30
		Total	15	10486.05
Sikkim	Sikkim East	Copper ore	3	96.32
		Total	3	96.32
Tamil Nadu	Ariyalur	Limestone	61	2276.23
		Total	61	2276.23
	Coimbatore	Limestone	3	152.77
		Total	3	152.77
	Cuddalore	Limeshell	1	4.61
		Total	1	4.61
	Dindigul	Limestone	42	631.56
		Total	42	631.56
	Kanyakumari	Garnet	9	168.33
		Total	9	168.33
	Karur	Limestone	42	534.06
		Magnesite	2	4.41
Total		44	538.47	

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (contd.)	Krishnagiri	Limestone	2	2.46
		Total	2	2.46
	Madurai	Garnet	2	6.62
		Graphite	2	5.69
		Limestone	14	61.61
		Total	18	73.92
	Namakkal	Bauxite	3	226.15
		Limestone	37	106.25
		Magnesite	3	4.89
		Total	43	337.29
	Perambalur	Limestone	31	94.79
		Total	31	94.79
	Salem	Apatite	1	4.05
		Bauxite	1	190.84
		Limestone	51	429.06
		Magnesite	11	912.09
		Total	64	1536.04
	Sivaganga	Graphite	5	271.84
		Total	5	271.84
	Theni (Madurai)	Limestone	3	6.77
		Total	3	6.77

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Tamil Nadu (concl.d.)	Thoothukudi (Tuticorin)	Garnet	6	70.56
		Limestone	16	361.38
		Total	22	431.94
	Tiruchirappalli	Garnet	5	29.99
		Limestone	28	187.46
		Total	33	217.45
	Tirunelveli	Garnet	55	334.25
		Limestone	72	669.72
		Total	127	1003.97
	Tiruppur	Magnesite	2	7.26
		Total	2	7.26
	Vellore	Vermiculite	1	23.71
		Total	1	23.71
	Virudhunagar	Limestone	32	1594.17
Total		32	1594.17	
Telangana	Adilabad	Limestone	12	2393.41
		Manganese ore	16	759.92
		White clay	20	161.41
		Total	48	3314.74
	Hyderabad	Amethyst	2	2.89
		Total	2	2.89

contd...

Table-4 (contd.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Telangana (concl.d.)	Karimnagar	Iron ore	2	4.00
		Limestone	2	765.82
		Total	4	769.82
	Khammam	Garnet	5	21.84
		Iron ore	3	29.26
		Vermiculite	2	19.66
		Total	10	70.76
	Mahbubnagar	Limestone	1	173.64
		Total	1	173.64
	Nalgonda	Amethyst	1	4.94
		Limestone	36	5384.46
		Vermiculite	1	4.00
		Total	38	5393.40
	Nizamabad	Iron ore	1	6.68
		Total	1	6.68
	Rangareddi	Limestone	5	1217.14
		Total	5	1217.14
	Warangal	Iron ore	1	17.05
		Total	1	17.05

contd...

Table-4 (concl.)

State	Districts	Minerals	No. of Leases	Area (In ha)
Uttar Pradesh	Sonbhadra	Limestone	5	3397.80
		Total	5	3397.80
Uttarakhand	Bageshwar	Magnesite	1	165.08
		Total	1	165.08
	Pithoragarh	Magnesite	2	8.42
		Total	2	8.42
	Tehri Garhwal	Limestone	2	9.54
		Total	2	9.54
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

3.2 DISTRICT WISE ANALYSIS

(i) High Mineral Potential Districts

District wise analysis indicates that the total number of mineral-bearing districts are 212 and they are spread across 24 states in the country. Out of these, 8 districts in 5 states are considered as high mineral potential districts wherein more than 100 mining leases each have been granted. A total of 1,124 mining leases have been granted in these districts covering an area of about 80,924.31 hectares. These constitute about 29% of total number of mining leases in the country and cover around 24% of the total lease area.

(ii) Medium Mineral Potential Districts

Districts wherein mining leases between 51 and 100 are granted are considered as Medium Potential districts. There are 654 such mining leases granted in 9 districts in 7 states covering an area of about 39,172.56 hectares. These constitute 17% of the total number of mining leases in the country and cover over 11% 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 2,090 mining leases granted in 195 such districts in 24 states covering an area of about 2,19,874.66 hectares in the country. These account for 54% of the total no of leases in the country covering 65% 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

Sl. No.	State	District	No. of Leases	No. of Minerals	Area (in ha)
1	Andhra Pradesh	Kurnool	161	4	9089.76
2	Gujarat	Devbhoomi Dwarka	140	3	4263.67
3	Gujarat	Porbandar	119	2	2310.33
4	Madhya Pradesh	Katni	192	5	5581.51
5	Madhya Pradesh	Satna	170	3	12296.53
6	Odisha	Keonjhar	110	4	29805.75
7	Odisha	Sundargarh	105	4	16572.79
8	Tamil Nadu	Tirunelveli	127	2	1003.97
		Total	1124	27	80924.31

Table – 6: Medium Mineral Potential Districts

Sl. No.	State	District	No. of Leases	No. of Minerals	Area (in ha)
1	Andhra Pradesh	Nellore	61	4	1252.77
2	Gujarat	Gir Somnath	81	1	3274.28
3	Jharkhand	Singhbhum (West)	67	4	12259.11
4	Karnataka	Bagalkot	90	2	5617.82
5	Karnataka	Bellary	93	3	8744.26
6	Madhya Pradesh	Balaghat	74	5	2750.60
7	Odisha	Bolangir	63	5	1461.45
8	Tamil Nadu	Ariyalur	61	1	2276.23
9	Tamil Nadu	Salem	64	4	1536.04
		Total	654	29	39172.56

Table – 7 : Low Mineral Potential Districts

Sl. No.	State	No. of Districts	No. of Leases	Area (in ha)
1	Andhra Pradesh	9	197	14895.87
2	Assam	2	7	889.50
3	Bihar	1	12	387.47
4	Chhattisgarh	20	188	22997.03
5	Goa	2	90	7402.98
6	Gujarat	15	116	12326.15
7	Haryana	1	4	46.85
8	Himachal Pradesh	4	41	2532.63
9	Jammu & Kashmir	7	35	2012.48
10	Jharkhand	12	99	11412.61
11	Karnataka	18	215	30391.71
12	Kerala	6	15	2246.49
13	Madhya Pradesh	17	177	11484.26
14	Maharashtra	11	172	12534.42
15	Manipur	1	1	132.78
16	Meghalaya	3	17	601.29
17	Odisha	13	119	21090.29
18	Rajasthan	21	167	47268.35
19	Sikkim	1	3	96.32
20	Tamil Nadu	16	291	4557.34
21	Telangana	9	110	10966.12
22	Uttar Pradesh	1	5	3397.80
23	Uttarakhand	3	5	183.04
24	West Bengal	2	4	20.88
	Total	195	2090	219874.66

3.3 MINERAL WISE ANALYSIS

There are 40 naturally occurring major 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 include ferrous, non-ferrous & noble metals, industrial mineral and precious stones. The ferrous group includes chromite, iron ore and manganese ore; non-ferrous group consists of bauxite, copper and lead & zinc ores; noble metal group includes gold; industrial mineral group includes asbestos and precious stones 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 31.3.2015. The number of leases granted are 1,266 i.e. 33% of the total mining leases accounting for an area of about 1,57,861 hectares which is 46% of the total mining lease area in the country. Out of the eleven scheduled minerals, the total number of mining leases granted for iron ore is placed at (541) followed by bauxite (339), manganese ore (297), chromite (35) copper ore (14), lead & zinc (13) and gold (11). These seven minerals account for 1,250 mining leases, i.e., 99% of the mining leases under this category accounting for an area of about 1,56,387 hectares which is 99% of the lease area accounted under Scheduled Minerals. The distribution of mining leases for Scheduled minerals is given in Table-8.

(ii) Non-Scheduled Minerals

There are 29 Non-Scheduled or Industrial minerals, for which leases are granted in the country. In all, there are 2,602 (67% of the total mining leases) mining leases granted for these minerals that account for an area of about 182111 hectares which is 54% of the total lease area. Distribution of mining leases for Non-Scheduled minerals is given in Table-9.

**Table – 8 : Distribution of Mining Leases for Scheduled Minerals
As on 31.03.2015**

Sl. No.	Minerals	No. of Leases	Area (in ha)
1	Asbestos	7	394.74
2	Bauxite	339	25724.38
3	Chromite	35	9068.50
4	Copper ore	14	4678.25
5	Diamond *	02	275.96
6	Gold	11	7445.46
7	Iron ore	541	83360.20
8	Lead & Zinc ore	13	10618.88
9	Manganese ore	297	15491.19
10	Ruby *	6	130.00
11	Sapphire *	1	673.40
	Total	1266	157860.96

* Precious stone

**Table – 9 : Distribution of Mining Leases for Non-Scheduled Minerals
As on 31.03.2015**

Sl. 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	2	220.83
7	Flint Stone	2	11.77
8	Fluorite	11	1289.60
9	Garnet	107	1544.74
10	Garnet (Gem)	3	51.03
11	Graphite	136	4256.73
12	Iolite	14	195.70
13	Kyanite	30	1349.50
14	Limeshell	25	2889.58
15	Limestone	1972	158972.12
16	Magnesite	36	1871.03
17	Marl	1	4.90
18	Moulding sand	35	841.85
19	Nephelene syenite	1	14.28
20	Phosphorite	11	2158.71
21	Red oxide	4	193.42
22	Semi-precious stones	13	134.43
23	Siliceous earth	26	300.63
24	Sillimanite	7	3027.06
25	Tin	16	324.72
26	Vermiculite	66	1035.74
27	White clay	44	663.74
28	White shale	15	77.34
29	Wollastonite	17	423.51
	Total	2602	182110.57

3.4 FREQUENCY DISTRIBUTION OF MINING LEASES

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**

Category	No. of Minerals	No. of Mining Leases		Lease Area	
		No. of Leases	Percentage	In ha	Percentage
I	1	1972	51	158972.12	47
II	1	541	14	83360.20	24
III	1	339	9	25724.38	8
IV	1	297	8	15491.19	5
V	2	243	6	5801.47	2
VI	1	66	2	1035.74	0
VII	33	410	10	49586.43	14
Total	40	3868	100	339971.53	100

Table- 11 : Frequency Distribution of Mining Leases

Category	Frequency of Leases	Minerals	No. of Leases	Area (In ha)
I	>1000	Limestone	1972	158972.12
		Total	1972	158972.12
II	Between 501 and 1000	Iron ore	541	83360.20
		Total	541	83360.20
III	Between 301 and 500	Bauxite	339	25724.38
		Total	339	25724.38
IV	Between 201 and 300	Manganese ore	297	15491.19
		Total	297	15491.19
V	Between 101 and 200	Garnet	107	1544.74
		Graphite	136	4256.73
		Total	243	5801.47
VI	Between 51 and 100	Vermiculite	66	1035.74
		Total	66	1035.74
VII	Between 1 and 50	Amethyst	3	7.83
		Apatite	2	20.17
		Aquamarine	1	24.29
		Asbestos	7	394.74
		Borax	1	159.00
		Chromite	35	9068.50
		Copper Ore	14	4678.25
		Diamond	2	275.96
		Emerald	1	46.32
		Epidote	2	220.83
		Flint Stone	2	11.77

Contd.

Table-11 (concl.)

Category	Frequency of Leases	Minerals	No. of Leases	Area (In ha)
		Fluorite	11	1289.60
		Garnet (Gem)	3	51.03
		Gold	11	7445.46
		Iolite	14	195.70
		Kyanite	30	1349.50
		Lead & Zinc ore	13	10618.88
		Limeshell	25	2889.58
		Magnesite	36	1871.03
		Marl	1	4.90
		Moulding sand	35	841.85
		Nephelene Syenite	1	14.28
		Phosphorite	11	2158.71
		Red oxide	4	193.42
		Ruby	6	130.00
		Sapphire	1	673.40
		Semi precious stones	13	134.43
		Siliceous earth	26	300.63
		Sillimanite	7	3027.06
		Tin	16	324.72
		White clay	44	663.74
		White shale	15	77.34
		Wollastonite	17	423.51
		Total	410	49586.43

3.5 SECTOR WISE DISTRIBUTION OF MINING LEASES

Out of the total 3,868 mining leases in the country, 294 (8%) leases have been executed in the Public Sector, extending over an area of about 103,316.49 hectares (30%). The remaining 3574 (92%) mining leases with an area of about 236,655.04 hectares (70%) 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 like limestone, apatite, fluorite, kyanite, magnesite etc. are being exploited by both Public and Private Sectors.

(a) Central Government Public Sector Undertakings :

There are 115 mining leases under Central Government Public Sector Undertakings executed in 14 states for different minerals, covering an area of about 58,516.24 hectares. The States rich in minerals where maximum number of mining leases executed for Central Govt. Public Sector Undertakings are Madhya Pradesh 20 (17.39%), followed by Jharkhand, Maharashtra and Odisha 18 each (15.65%), Chhattisgarh 13 (11.30%), Karnataka 7 (6.00%) and Tamil Nadu 6 (5.21%). These seven States together account for over 87% of total leases executed and the remaining 7 States account for the rest of the 13% of the total leases executed under this category.

The prominent States where maximum mining lease areas are located are Odisha (25.87%), Karnataka (19.34%), Jharkhand (17.82%), Chhattisgarh (14.96%), Madhya Pradesh (11.94%), Andhra Pradesh (2.66%) and Telangana (2.48%). These seven States account for (95.07%) of the total lease area executed and the remaining 7 States account for the rest of the 4.93% of the total lease area executed under this category.

(b) State Government Public Sector Undertakings:

There are 179 number of mining leases executed in 16 States for different minerals, covering an area of 44,800.25 hectares. The States rich in minerals where there are maximum number of mining leases executed are Odisha 43 (24.02%), Karnataka 39 (21.79%), Chhattisgarh 18 (10.06%), Gujarat 17 (9.49%), Tamil Nadu 15 (8.38%), Rajasthan 11 (6.15%),

Maharashtra 9 (5.03%), Jharkhand & Madhya Pradesh 7 each (3.91% each). These nine States together account for over 92.74% of the total leases executed and the remaining 6 States account for the rest of the 7.26% of the total leases executed under this category.

The prominent States where maximum mining lease areas are located are Odisha (46.52%), Karnataka (19.64%), Rajasthan (11.36%), Gujarat (7.64%), Jharkhand (4.03%), Tamil Nadu (4.01%) and Jammu and Kashmir (2.78%). These seven States together account for around 95.98% of the total lease area executed while the remaining 9 States account for the rest of the 4.02 % of the total lease area executed under this category.

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 31.03.2015)
(Public Sector and Private Sector)**

Sl. 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	419	25238.40	4	1588.95	415	23649.45
2	Assam	7	889.50	3	371.00	4	518.50
3	Bihar	12	387.47	-	-	12	387.47
4	Chhattisgarh	188	22997.03	31	9172.30	157	13824.73
5	Goa	90	7402.98	-	-	90	7402.98
6	Gujarat	456	22174.43	17	3421.79	439	18752.64
7	Haryana	4	46.85	-	-	4	46.85
8	Himachal Pradesh	41	2532.63	2	404.23	39	2128.40
9	Jammu & Kashmir	35	2012.48	3	1246.80	32	765.68
10	Jharkhand	166	23671.72	25	12232.49	141	11439.23
11	Karnataka	398	44753.79	46	20115.46	352	24638.33
12	Kerala	15	2246.49	5	558.37	10	1688.12
13	Madhya Pradesh	613	32112.90	27	7289.50	586	24823.40
14	Maharashtra	172	12534.42	27	1029.02	145	11505.40
15	Manipur	1	132.78	-	-	1	132.78
16	Meghalaya	17	601.29	-	-	17	601.29
17	Odisha	397	68930.28	61	35980.67	336	32949.61
18	Rajasthan	167	47268.35	14	5794.23	153	41474.12
19	Sikkim	3	96.32	3	96.32	-	-
20	Tamil Nadu	543	9373.58	21	2173.64	522	7199.94
21	Telangana	110	10966.12	3	1663.17	107	9302.95
22	Uttar Pradesh	5	3397.80	-	-	5	3397.80

Sl. 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)
23	Uttarakhand	5	183.04	1	165.08	4	17.96
24	West Bengal	4	20.88	1	13.47	3	7.41
	Total	3868	339971.53	294	103316.49	3574	236655.04

Table – 13 : Sector-wise Distribution of Mining Leases (As on 31.03.2015)
(Under Central Government and State Governments)

Sl. 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	2	29.31	4	1588.95
2	Assam	1	171.00	2	200.00	3	371.00
3	Chhattisgarh	13	8752.11	18	420.19	31	9172.30
4	Gujarat	-	-	17	3421.79	17	3421.79
5	Himachal Pradesh	2	404.23	-	-	2	404.23
6	Jammu & Kashmir	-	-	3	1246.80	3	1246.80
7	Jharkhand	18	10425.88	7	1806.61	25	12232.49
8	Karnataka	7	11315.49	39	8799.97	46	20115.46
9	Kerala	4	354.57	1	203.80	5	558.37
10	Madhya Pradesh	20	6985.75	7	303.75	27	7289.50
11	Maharashtra	18	708.32	9	320.70	27	1029.02
12	Odisha	18	15137.25	43	20843.42	61	35980.67
13	Rajasthan	3	706.75	11	5087.48	14	5794.23
14	Sikkim	-	-	3	96.32	3	96.32
15	Tamil Nadu	6	377.00	15	1796.64	21	2173.64
16	Telangana	2	1453.17	1	210.00	3	1663.17
17	Uttarakhand	1	165.08	-	-	1	165.08
18	West Bengal	-	-	1	13.47	1	13.47
	Total	115	58516.24	179	44800.25	294	103316.49

**Table-14: Summary of Lease Distribution in Public Sector
(As on 31.3.2015)
(By States/Districts/Minerals)**

State	Districts	Minerals	(Area in ha)					
			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
	Vizianagaram	Manganese ore	1	264.64	-	-	1	264.54
		Total	2	1559.64	2	29.31	4	1588.95
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
	Bijapur	Tin	-	-	1	3.7	1	3.7
	Dantewada	Iron ore	6	2696.22	-	-	6	2696.22
	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	-	-	2	103.22	2	103.22
	Surguja	Bauxite	-	-	12	267.35	12	267.35
		Total	13	8752.11	18	420.19	31	9172.30
Gujarat	Banaskantha	Copper ore	-	-	1	184.98	1	184.98
	Chhota Udaipur	Fluorite	-	-	2	63.20	2	63.20
	Devbhoomi-Dwarka	Bauxite	-	-	2	189.78	2	189.78
	Kutch	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	Sirmur	Limestone	1	172.03	-	-	1	172.03
	Solan	Limestone	1	232.2	-	-	1	232.2
		Total	2	404.23	-	-	2	404.23
Jammu & Kashmir	Kishtwar	Sapphire	-	-	1	673.40	1	673.40
	Pulwama	Limestone	-	-	1	88.10	1	88.10
	Reasi	Magnesite	-	-	1	485.3	1	485.3
		Total	-	-	3	1246.80	3	1246.80
Jharkhand	Garwah	Limestone	3	1178.92	-	-	3	1178.92
	Palamau	Graphite	-	-	2	434.76	2	434.76
	Palamau	Limestone	-	-	1	1043.84	1	1043.84
	Ranchi	Limestone	-	-	2	239.54	2	239.54
	Singhbhum (East)	Copper ore	3	2313.37	-	-	3	2313.37
	Singhbhum (West)	Iron ore	12	6933.59	-	-	12	6933.59
	Singhbhum (West)	Kyanite	-	-	2	88.47	3	88.47
		Total	18	10425.88	7	1806.61	25	12232.49

Contd...

Table-14 (contd.)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
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
	Chikmagalur	Iron ore	1	4605.42	-	-	1	4605.42
	Chitradurga	Copper ore	-	-	2	416.83	2	416.83
	Gulbarga	Gold	-	-	1	55.75	1	55.75
	Gulbarga	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
	Raichur	Gold	-	-	6	1521.14	6	1521.14
	Shimoga	Manganese ore	-	-	1	526.10	1	526.10
	Tumkur	Gold	-	-	1	38.04	1	38.04
	Udupi	Limeshell	-	-	1	114.53	1	114.53
		Total	7	11315.49	39	8799.97	46	20115.46
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	2	960.00	-	-	2	960.00
	Balaghat	Manganese ore	10	1187.73	-	-	10	1187.73
	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

Contd.

Table-14 (contd.)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
	Rewa	Bauxite	-	-	1	4.90	1	4.90
	Sagar	Phosphorite	-	-	1	52.80	1	52.80
	Satna	Limestone	2	3025.58	-	-	2	3025.58
		Total	20	6985.75	7	303.75	27	7289.50
Maharashtra	Bhandara	Kyanite	-	-	5	158.93	5	158.93
	Bhandara	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	382.88	-	-	13	382.88
	Yeotmal	Limestone	-	-	2	119.75	2	119.75
		Total	18	708.32	9	320.70	27	1029.02
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
	Jajpur	Iron ore	-	-	1	1812.99	1	1812.99
	Kalahandi	Ruby	-	-	3	120.80	3	120.80
	Keonjhar	Chromite	-	-	3	1930.17	3	1930.17
	Keonjhar	Iron ore	8	6342.13	11	6626.15	19	12968.28
	Keonjhar	Manganese ore	1	266.77	4	1448.44	5	1715.21
	Koraput	Bauxite	2	2559.25	-	-	2	2559.25
	Koraput	Limestone	-	-	2	1586.22	2	1586.22
	Nawapara	Garnet (Gem)	-	-	1	33.95	1	33.95
	Nawapara	Limestone	-	-	3	332.96	3	332.96
	Raygada	Manganese ore	-	-	1	501.67	1	501.67
	Sundargarh	Bauxite	1	117.44	-	-	1	117.44

Contd.

Table-14 (contd.)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
	Sundargarh	Iron ore	4	2593.64	4	2180.90	8	4774.54
	Sundargarh	Limestone	1	793.97	-	-	1	793.97
		Total	18	15137.25	43	20843.42	61	35980.67
Rajasthan	Jaisalmer	Limestone	-	-	2	1998.04	2	1998.04
	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
	Udaipur	Phosphorite	-	-	4	1851.44	4	1851.44
		Total	3	706.75	11	5087.48	14	5794.23
Sikkim	Sikkim East	Copper ore	-	-	3	96.32	3	96.32
		Total	-	-	3	96.32	3	96.32
Tamil Nadu	Ariyalur	Limestone	-	-	6	624.53	6	624.53
	Kanyakumari	Garnet	3	153.19	-	-	3	153.19
	Salem	Magnesite	3	223.81	-	-	3	223.81
	Sivaganga	Graphite	-	-	2	242.46	2	242.46
	Tirunelveli	Garnet	-	-	1	4.36	1	4.36
	Tirunelveli	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	377.00	15	1796.64	21	2173.64
Telangana	Adilabad	Limestone	1	839.38	1	210	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

Contd.

Table 14(concl'd)

State	Districts	Minerals	Central Government		State Government		Total	
			No.	Area	No.	Area	No.	Area
West Bengal	Purulia	Phosphorite	-	-	1	13.47	1	13.47
		Total	-	-	1	13.47	1	13.47

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) under provisions of Mineral Concession Rules, 1960. 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 LICENCES

As per information received from the State Governments/Union Territories, 168 prospecting licences were granted for major minerals (includes the minerals declared as minors as per Gazette Notification dated 10th February 2015) covering an area of 28, 255.36 hectares during 2014-15 as compared to 146 prospecting licences covering 24,589.36 hectares area during 2013-14.

The States where prospecting licences were granted during 2014-15 include Rajasthan (109), Madhya Pradesh (29), Tamil nadu (8),Telangana (6), Chhattisgarh (5), Jharkhand & Uttarakhand (4 each) and Arunachal Pradesh (3). Area wise prospecting licences granted in Rajasthan 19630.03 hectares, Arunachal Pradesh 6122.00 hectares, Madhya Pradesh 1385.39 hectares, Telangana 767.83 hectares, Tamil nadu 249.97 hectares, Chhattisgarh 56.64 hectares and Jharkhand & Uttarakhand 21.75 hectares each.

4.2 MINERAL WISE DISTRIBUTION OF PROSPECTING LICENCES

Mineral wise, in 2014-15, prospecting licences granted were for silicasand (28), limestone (18), limestone (cement grade) (17), gypsum (15), calcite (8), graphite & laterite (6 each), manganese ore (5), talc/soapstone/steatite & siliceous earth (4 each), china clay & rock phosphate (3 each) dolomite & iron ore (2 each) and garnet (abrasive), pyrophyllite, quartz & red ochre (1 each). Forty three PLs were granted in respect of group of minerals.

The state wise and mineral wise distribution of prospecting licences granted during 2011-12 to 2013-14 is given in Tables -15 and 16 respectively.

**Table-15: Prospecting Licences Granted from 2012-13 to 2014-15
(By States)**

State	2012-13		2013-14		2014-15	
	No.	Area (In ha)	No.	Area (In ha)	No.	Area (In ha)
Andhra Pradesh	14	997.53	32	4893.51	-	-
Arunachal Pradesh	-	-	1	1000.00	3	6122.00
Chhattisgarh	-	-	-	-	5	56.64
Gujarat	1	5.31	-	-	-	-
Jharkhand	-	-	6	156.77	4	21.75
Madhya Pradesh	55	6748.16	56	9229.47	29	1385.39
Maharashtra	-	-	11	597.44	-	-
Manipur	5	2700.00	4	3730.00	-	-
Rajasthan	27	2905.90	30	4909.27	109	19630.03
Tamil Nadu	-	-	-	-	8	249.97
Telangana	-	-	-	-	6	767.83
Uttarakhand	2	9.80	6	72.90	4	21.75
Total	104	13366.70	146	24589.36	168	28255.36

Source. Bulletin of Mineral Information for year 2012-13, 2013-14 & 2014-15.

**Table-16: Prospecting Licences Granted from 2012-13 to 2014-15
(By Minerals)**

Minerals	2012-13		2013-14		2014-15	
	No.	Area	No.	Area	No.	Area
		(In ha)		(In ha)		(In ha)
Barytes	-	-	5	22.09	-	-
Bauxite	-	-	2	170.38	-	-
Calcite	1	5.31	-	-	8	361.96
China clay	3	554.47	6	135.00	3	100.00
Diamond	1	902.49	-	-	-	-
Dolomite	-	-	1	4.50	2	20.60
Fireclay	-	-	1	34.29	-	-
Garnet (abrasive)	2	441.04	1	112.50	1	160.77
Graphite	-	-	-	-	6	3708.44
Gypsum	-	-	-	-	15	5469.16
Iron ore	2	107.48	5	1019.94	2	221.09
Laterite	6	90.76	16	188.91	6	54.05
Limestone	14	7492.72	30	15410.52	18	1060.78
Limestone (cement grade)	2	446.90	-	-	17	13080.40
Manganese ore	10	95.11	18	675.72	5	819.86
Mica	1	20.36	5	91.63	-	-
Pyrophyllite	-	-	1	25.00	1	6.84
Quartz	-	-	3	93.31	1	5.00
Red ochre	4	271.61	-	-	1	42.00
Rock Phosphate	4	805.19	-	-	3	101.10
Talc/Soapstone/steatite	2	9.80	5	36.96	4	21.75
Semi Precious Stone	2	25.18	-	-	-	-
Silica sand	1	22.50	3	63.94	28	1222.27
Siliceous Earth	2	352.37	-	-	4	264.79
Group of minerals	47	1723.41	44	6504.67	43	1534.50
Total	104	13366.70	146	24589.36	168	28255.36

Source. Bulletin of Mineral Information for year 2012-13, 2013-14 & 2014-15.

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 rule 63 A of MCR 1960, the State Government is obligated to dispose of any application for Reconnaissance Permits within six months from the date of receipt of application for such Permits under Rule 4 A of MCR,1960.

During the year 2014-15, no Reconnaissance Permits have approved/granted.

Table-17: Approval/Grant of Reconnaissance Permits during 2014-15

Sl. No.	State	Minerals	No. of RPs	Area in sq.km.
-----Nil-----				

