

Government of India
Ministry of Mines
INDIAN BUREAU OF MINES
Mineral Economics Division



BULLETIN
OF
MINING LEASES
&
PROSPECTING LICENCES, 2006

(Excluding Atomic Minerals, Coal, Lignite,
Petroleum, Natural Gas and Minor Minerals)

Issued by
Controller General
INDIAN BUREAU OF MINES
NAGPUR

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1. Introduction

India has a total geographical area of about 328 million hectares. Of this, the mining lease area, except for fuel and atomic minerals, constitutes around 0.14% (4,59,714 hectares). The position of mining leases as on 31.3.2006 reveals that there are as many as 7,610 mining leases (compared to 7,527 in the previous year) granted in the country by the State Governments covering 60 minerals (excluding coal, lignite, petroleum, natural gas, atomic minerals and minor minerals) with a total area of 4,59,714 hectares and spread over 23 States. These 60 minerals are broadly classified into metallic and non-metallic minerals. This bulletin highlights State-wise, sector-wise and district-wise distribution of mining leases, prospecting licences and reconnaissance permits, frequency distribution of mining leases, etc. Though apparently negligible, this is still an important land use segment as it contributes to economic growth of the country. Besides, it calls for environmental protection as land degradation takes place during the process of mining activities.

India is gifted 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 less exports to earn foreign exchange. Today, as many as 60 major metallic and non-metallic minerals are being exploited in the country excluding coal, atomic and some minor minerals.

The Indian mineral sector is opened fully to private sector including domestic and foreign. The Government had taken a series of new policy initiatives under the overall framework of the National Mineral Policy, 1993 for the growth of mineral sector. As per the amendment to the MMRD Act (now re-designated as MMDR Act), 1957 in December, 1999 a new entity termed 'Reconnaissance Permit' covering essentially prospecting licences over large areas has been introduced. In this amended Act, the limit of maximum areas of reconnaissance permits, prospecting licences and mining leases is 10,000 sq. km., 25 sq km and 10 sq km respectively in a State. This provision may facilitate the entrepreneurs in acquiring more number of "reconnaissance permits, prospecting licences and mining leases" leading to increased mineral production. Besides, the amended Act provides powers to the State Governments for grant of prospecting licences and mining leases in areas which are not compact and contiguous in respect of minerals other than fuel and atomic minerals.

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 and reasons for termination in proforma 'C' for the preceding financial year ending March. The above statements for the previous financial year are required to be submitted to IBM on or before 30th June each year by the State Government. From such information received from all the State Governments under statutory provisions, the information pertaining to mining leases and prospecting licences are being processed and updated through computerization. Subsequently, the required outputs are being generated.

2. Land Use Scenario

India's Geographical area is about 328 million hectares. The entire geographical area is broadly classified into 8 segments including mining lease areas which are as follows.

S. No.	Area/ Segment	Total area in Million hectares	Percentage of Area
1.	Agricultural , Cultivable & culturable land	18.2845	55.63
2.	Permanent pastures & other grazing land	10.499	3.19
3.	Culturable waste (potentially arable)	1.3483	4.10
4.	Forest	69.467	21.13
5.	Barren & Un-culturable land	17.762	5.40
6.	Non-agricultural land	24.274	7.38
7.	Mining Lease Area	0.459	0.14
8.	Other Area (no information available)	9.937	3.03
Total		328.726	100.00

Source: Directorate of Economics & Statistics, Ministry of Agriculture. Directory of Mining Leases , 2006, Indian Bureau of Mines.

The mining lease area, constitutes around (0.14%) (4,59,714.37 hectares) of the geological area. Out of the geographical area, almost two-third are under agricultural, cultivable, permanent pasture and grazing lands. However , mining lease area continues to be an important segment and contributing factor to the economy of the country. At the same time due attention is to be paid for environment protection as land degradation takes place during the process of mining activity.

3. Mining Leases

3.1 STATEWISE ANALYSIS

As on 31.3.2006, there were 7,610 number of mining leases granted by 23 State Governments for 60 different minerals, covering an area of 4,59,714 hectares in the country. States rich in minerals where maximum number of mining leases granted are Andhra Pradesh (20.24%) followed by Rajasthan (16.50%), Gujarat (13.92%), Madhya Pradesh (9.92%), Tamil Nadu (6.32%), Karnataka (6.10%), Orissa (5.06%), Jharkhand (4.24%), Chhattisgarh (3.82%), Maharashtra (3.31%) and Goa (3.28%). These eleven States together account for about 93% of total leases executed and remaining twelve States account for remaining about 7% of mining leases.

The maximum mining lease area covered by different States are Rajasthan (23.14%) followed by Orissa (14.57%), Andhra Pradesh (11.49%), Karnataka (8.08%), Jharkhand (7.57%), Chhattisgarh (6.89%), Gujarat (5.07%), Madhya Pradesh (4.21%), Goa (3.95%), Maharashtra (3.70%), West Bengal (2.52%) and Haryana (2.43%). These twelve States account for about 94% of total mining lease areas executed and remaining eleven States represent 6%.

The State-wise mining lease distribution together with lease areas as well as State-wise/district-wise distribution of mining leases as on 31.03.2006 are given in Tables-1 to 4.

**TABLE-1 :STATEWISE SUMMARY OF LEASE DISTRIBUTION
(As on 31.03.2006)**

S. No.	State	No. of Lease	Percentage	Lease Area (Hect.)	Percentage
1.	Andhra Pradesh	1,541	20.24	52,802.91	11.49
2.	Assam	11	0.14	981.33	0.21
3.	Bihar	10	0.13	2,030.16	0.44
4.	Chhattisgarh	291	3.82	31,686.04	6.89
5.	Goa	250	3.28	18,165.99	3.95
6.	Gujarat	1,060	13.92	23,296.04	5.07
7.	Himachal Pradesh	60	0.78	1,999.55	0.43
8.	Haryana	107	1.40	11,151.04	2.43
9.	Jammu & Kashmir	19	0.24	730.35	0.16
10.	Jharkhand	323	4.24	34,781.76	7.57
11.	Karnataka	464	6.10	37,155.01	8.08
12.	Kerala	118	1.55	2,233.99	0.49
13.	Manipur	2	0.02	610.17	0.13
14.	Meghalaya	14	0.18	1,660.16	0.36
15.	Madhya Pradesh	755	9.92	19,338.24	4.21
16.	Maharashtra	252	3.31	17,046.80	3.70
17.	Orissa	385	5.06	66,973.59	14.57
18.	Rajasthan	1,256	16.50	106,374.52	23.14
19.	Sikkim	4	0.05	102.06	0.02
20.	Tamil Nadu	481	6.32	6,663.92	1.45
21.	Uttar Pradesh	88	1.15	9,290.11	2.02
22.	Uttarakhand	67	0.88	3,063.01	0.67
23.	West Bengal	52	0.68	11,577.62	2.52
Total		7,610	100.00	459,714.37	100.00

TABLE-2 : MINERAL WISE MINING LEASE DISTRIBUTION
(As on 31-3-2006)

S.No.	Mineral	No. of Leases	Lease area (Hect.)
1.	Agate	2	45.58
2.	Amethyst	5	40.64
3.	Apatite	1	13.29
4.	Asbestos	37	1,764.60
5.	Ball clay	42	1,986.19
6.	Barytes	128	2,510.40
7.	Bauxite	286	26,069.07
8.	Calcareous sand	14	151.75
9.	Calcite	66	1,642.34
10.	Chalk	163	663.83
11.	China clay	414	16,506.32
12.	Chromite	30	9,163.47
13.	Clay(others)	46	1,005.41
14.	Copper ore	15	10,276.40
15.	Corundum	15	221.81
16.	Diamond	2	576.51
17.	Diaspore	11	80.11
18.	Dolomite	448	19,494.93
19.	Dunite	1	4.45
20.	Epidote	1	5.00
21.	Felsite	5	130.79
22.	Felspar	258	9,225.90
23.	Fireclay	242	16,587.85
24.	Fluorite	17	1,732.99
25.	Garnet	87	1,911.24
26.	Gold	10	6,702.44
27.	Graphite	120	3,821.20
28.	Gypsum	54	18,479.67
29.	Iolite	8	76.97
30.	Iron ore	485	78,319.40
31.	Jasper	5	211.70
32.	Kyanite	32	3,274.62
33.	Laterite	132	1,401.38
34.	Lead & zinc ore	10	7,603.70
35.	Limekankar	16	426.15
36.	Limeshell	34	3,845.66
37.	Limestone	1,534	106,816.57
38.	Magnesite	32	2,258.25
39.	Manganese ore	222	18,874.94
40.	Mica	266	7,848.00

Contd...

Table-2 (Concl.)

S.No.	Mineral	No. of Leases	Lease area (Hect.)
41.	Moulding sand	45	962.83
42.	Ochre	114	3,384.79
43.	Opal	1	200.00
44.	Perlite	1	144.65
45.	Phosphorite	15	3,333.00
46.	Pyrites	1	647.50
47.	Pyrophyllite	82	2,723.30
48.	Pyroxenite	8	78.70
49.	Quartz	986	12,553.19
50.	Quartzite	59	779.80
51.	Rock salt	3	53.86
52.	Sand (others)	48	4,924.59
53.	Shale	30	402.95
54.	Silica sand	467	17,132.64
55.	Sillimanite	5	9,810.37
56.	Slate	14	598.10
57.	Steatite	413	19,669.11
58.	Tin	7	128.57
59.	Vermiculite	11	212.55
60.	Wollastonite	4	202.49
Total		7,610	459,714.37

**TABLE-3 : STATEWISE/MINERALWISE DISTRIBUTION OF
LEASES AND LEASE AREA
(As on 31.03.2006)**

State	Mineral	No. of Leases	Lease area (Hect.)
Andhra Pradesh	Amethyst	4	12.99
	Apatite	1	13.29
	Asbestos	7	352.08
	Ball clay	20	254.01
	Barytes	118	2,206.96
	Calcite	5	139.20
	China clay	57	884.89
	Clay (others)	7	277.13
	Corundum	6	35.93
	Dolomite	97	1,711.91
	Felspar	32	525.87
	Fire clay	24	82.31
	Garnet	15	1,035.09
	Gold	3	408.86
	Graphite	3	59.26
	Iron ore	22	1,238.92
	Laterite	82	875.38
	Lime kankar	14	100.63
	Limeshell	4	88.19
	Limestone	200	21,632.60
	Magnesite	1	6.57
	Manganese ore	37	1,141.73
	Mica	111	2,139.91
	Moulding sand	1	31.16
	Ochre	18	189.81
	Phosphorite	1	2.83
	Pyrophyllite	6	169.74
	Quartz	411	5,298.96
	Quartzite	19	354.64
	Sand (others)	12	1,777.07
	Shale	11	181.85
	Silica sand	72	1,069.44
	Sillimanite	1	7,000.00
Slate	12	461.26	
Steatite	101	947.16	
Vermiculite	6	95.28	
Total	1,541	52,802.91	
Assam	Limestone	11	981.33
	Total	11	981.33

Contd...

Table-3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Bihar	Limestone	6	166.06
	Mica	2	1,196.80
	Pyrite	1	647.50
	Quartz	1	19.80
	Total	10	2,030.16
Chhattisgarh	Bauxite	12	5,192.53
	China clay	7	32.83
	Dolomite	92	11,411.23
	Fire clay	4	16.25
	Graphite	3	98.79
	Iron ore	15	9,586.37
	Limestone	117	5,006.89
	Moulding sand	7	56.67
	Ochre	1	10.12
	Quartz	7	21.05
	Quartzite	16	153.11
	Steatite	4	7.89
	Tin	6	92.31
	Total	291	31,686.04
	Goa	Bauxite	1
Iron ore		187	14,002.79
Manganese ore		62	4,122.28
Total		250	18,165.99
Gujarat	Agate	1	4.64
	Ball clay	3	10.49
	Bauxite	147	4,088.83
	Calcareous sand	14	151.54
	Calcite	5	63.31
	Chalk	163	663.83
	China clay	51	978.93
	Clay (others)	35	702.27
	Copper ore	1	1,402.83
	Dolomite	94	1,045.87
	Felspar	1	1.00
	Fire clay	69	365.52
	Fluorite	2	31.69
	Gypsum	2	6.76
	Limestone	355	12,444.92
	Manganese ore	1	2.95
	Moulding sand	4	6.83
	Ochre	5	45.55
	Perlite	1	144.65
	Quartz	30	204.80

Contd...

Table-3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Gujarat (Contd.)	Quartzite	1	19.30
	Silica sand	67	862.45
	Steatite	6	22.04
	Vermiculite	2	25.04
	Total	1,060	23,296.04
Haryana	Barytes	1	79.32
	Calcite	2	158.56
	China clay	38	3,296.11
	Dolomite	2	252.15
	Felspar	2	261.45
	Lime kankar	2	325.52
	Limestone	6	71.17
	Mica	1	400.00
	Quartz	14	675.12
	Quartzite	4	68.23
	Silica sand	34	5,482.06
	Slate	1	81.35
	Total	107	11,151.04
Himachal Pradesh	Barytes	2	81.39
	Gypsum	1	116.68
	Limestone	54	1,747.62
	Rock Salt	3	53.86
	Total	60	1,999.55
Jammu & Kashmir	Gypsum	3	57.71
	Limestone	13	331.84
	Magnesite	2	140.80
	Opal	1	200.00
	Total	19	730.35
Jharkhand	Bauxite	46	4,039.14
	China clay	21	1,536.27
	Copper ore	4	6,574.99
	Dolomite	1	18.45
	Felspar	9	253.70
	Fire clay	25	915.11
	Gold	1	19.50
	Graphite	15	443.67
	Iron ore	48	12,379.23
	Kyanite	9	2,659.50
	Limestone	53	2,550.79
	Mica	31	971.17
	Ochre	1	5.62
	Pyrophyllite	1	22.50
	Pyroxenite	8	78.70
	Quartz	26	301.75
	Quartzite	3	27.83
	Sand (others)	15	1,918.18
	Steatite	6	65.66
Total	323	34,781.76	

Table -3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Karnataka	Barytes	1	17.00
	Bauxite	2	88.03
	Calcite	1	17.00
	China clay	16	773.16
	Chromite	7	1,602.46
	Clay (others)	2	24.68
	Corundum	6	90.51
	Dolomite	16	312.09
	Dunite	1	4.45
	Felsite	5	130.79
	Felspar	5	134.47
	Fire clay	5	406.83
	Gold	6	6,274.08
	Graphite	4	235.04
	Iron ore	74	10,612.71
	Kyanite	7	299.16
	Laterite	3	97.23
	Limeshell	18	1,521.93
	Limestone	106	9,008.13
	Magnesite	6	149.85
	Manganese ore	28	1,995.59
	Moulding sand	29	810.79
	Ochre	5	613.92
	Quartz	61	539.89
	Quartzite	2	8.90
	Silica sand	40	1,213.09
	Steatite	7	146.93
Vermiculite	1	26.30	
Total	464	37,155.01	
Kerala	Bauxite	4	2.50
	China clay	45	101.13
	Graphite	1	1.25
	Laterite	2	1.22
	Limeshell	10	1,506.49
	Limestone	1	245.69
	Quartz	2	3.21
	Quartzite	1	2.02
	Silica sand	49	43.13
	Sillimanite	3	327.35
	Total	118	2,233.99
	Madhya Pradesh	Barytes	2
Bauxite		38	841.04
Calcite		29	69.05
China clay		17	147.07

Contd...

Table-3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Madhya Pradesh (Contd.)	Clay (others)	2	1.33
	Copper ore	2	479.90
	Diamond	2	576.51
	Diaspore	11	80.11
	Dolomite	113	598.91
	Fire clay	35	308.41
	Iron ore	9	124.68
	Laterite	42	354.11
	Lead & zinc ore	2	14.83
	Limestone	287	12,918.17
	Manganese ore	26	1,426.85
	Ochre	49	631.66
	Phosphorite	4	112.88
	Pyrophyllite	38	243.74
	Quartz	7	45.36
	Quartzite	1	6.10
	Sand (others)	2	7.52
	Shale	16	178.71
	Silica sand	4	6.25
	Slate	1	55.49
Steatite	16	104.19	
Total	755	19,338.24	
Maharashtra	Agate	1	40.94
	Bauxite	30	5,538.70
	China clay	8	88.64
	Chromite	1	16.22
	Corundum	1	3.96
	Dolomite	14	210.66
	Felspar	2	53.65
	Fire clay	2	18.40
	Fluorite	1	32.70
	Iron ore	24	873.13
	Kyanite	15	310.96
	Laterite	3	73.44
	Limestone	54	5,979.97
	Manganese ore	38	1,293.10
	Mica	1	42.06
	Moulding sand	2	51.87
	Ochre	1	12.36
	Quartz	11	172.67
	Sand (others)	12	740.30
	Shale	1	32.49
Silica sand	30	1,460.58	
Total	252	17,046.80	

Contd...

Table -3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Manipur	Chromite	2	610.17
	Total	2	610.17
Meghalaya	China clay	2	9.77
	Fire clay	1	221.44
	Limestone	10	1,424.05
	Shale	1	4.90
	Total	14	1,660.16
Orissa	Amethyst	1	27.65
	Asbestos	1	49.22
	Bauxite	4	6,078.99
	China clay	8	693.94
	Chromite	20	6,934.62
	Corundum	2	91.41
	Dolomite	7	740.03
	Fire clay	16	1,877.14
	Graphite	87	2,308.02
	Iolite	8	76.97
	Iron ore	91	27,980.27
	Lead & zinc ore	1	499.60
	Limestone	27	5,974.51
	Manganese ore	29	8,812.44
	Mica	1	2.67
	Ochre	1	102.27
	Pyrophyllite	8	487.29
	Quartz	52	857.74
	Quartzite	10	129.97
	Sand (others)	6	437.43
Sillimanite	1	2,483.02	
Steatite	3	292.13	
Tin	1	36.26	
	Total	385	66,973.59
Rajasthan	Asbestos	29	1,363.30
	Ball clay	19	1,721.69
	Barytes	4	120.36
	Calcite	23	1,167.30
	China clay	115	7,342.36
	Copper ore	5	1,717.95
	Dolomite	7	546.91
	Epidote	1	5.00
	Felspar	205	7,954.06

Contd...

Table -3 (contd.)

State	Mineral	No. of Leases	Lease area (Hect.)
Rajasthan (Contd.)	Fire clay	25	2,326.80
	Fluorite	14	1,668.60
	Garnet	16	350.13
	Graphite	2	383.55
	Gypsum	41	18,090.12
	Iron ore	15	1,521.30
	Jaspar	5	211.70
	Kyanite	1	5.00
	Lead & zinc ore	7	7,089.27
	Limestone	54	19,696.42
	Magnesite	3	15.00
	Manganese ore	1	80.00
	Mica	119	3,095.39
	Ochre	32	1,767.72
	Phosphorite	6	2,092.11
	Pyrophyllite	6	308.16
	Quartz	184	4,059.44
	Quartzite	1	5.00
	Shale	1	5.00
	Silica sand	99	5,350.60
	Steatite	211	16,069.57
	Vermiculite	1	42.22
	Wollastonite	4	202.49
Total	1,256	106,374.52	
Sikkim	Copper ore	3	100.73
	Dolomite	1	1.33
	Total	4	102.06
Tamil Nadu	Bauxite	2	158.46
	China clay	2	15.55
	Dolomite	1	62.07
	Felspar	1	39.47
	Fire clay	26	107.48
	Garnet	56	526.02
	Graphite	5	291.62
	Gypsum	7	208.40
	Limeshell	2	729.05
	Limestone	169	2,887.39
	Magnesite	16	1,204.91
	Quartz	175	342.70
	Silica sand	14	28.47
	Steatite	4	38.62
	Vermiculite	1	23.71
	Total	481	6,663.92

Contd...

Table-3 (concl.)

State	Mineral	No. of Leases	Lease area (Hect.)
Uttar Pradesh	Calcite	1	27.92
	Dolomite	1	1,656.32
	Limestone	4	3,623.43
	Phosphorite	1	874.00
	Pyrophyllite	23	1,491.87
	Silica sand	58	1,616.57
	Total	88	9,290.11
Uttarakhand	Limestone	6	124.92
	Magnesite	4	741.92
	Phosphorite	2	222.05
	Steatite	55	1,974.92
	Total	67	3,063.01
West Bengal	China clay	27	605.67
	Dolomite	2	927.00
	Felspar	1	2.23
	Fire clay	10	9,942.16
	Limestone	1	0.67
	Moulding sand	2	5.51
	Ochre	1	5.76
	Phosphorite	1	29.13
	Quartz	5	10.70
	Quartzite	1	4.70
	Sand (others)	1	44.09
Total	52	11,577.62	

**TABLE -4 : STATE-WISE/DISTRICT-WISE/MINERAL-WISE DISTRIBUTION OF
LEASES AND LEASE AREA
(As on 31.03.2006)**

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Andhra Pradesh	Adilabad	China clay	14	139.76
		Laterite	1	11.33
		Limestone	12	2,685.28
		Manganese ore	10	377.64
		Total	37	3,214.01
	Anantapur	Barytes	1	2.00
		China clay	3	28.35
		Corundum	2	16.36
		Dolomite	47	679.41
		Felspar	3	32.53
		Gold	1	168.42
		Iron ore	4	244.51
		Laterite	1	38.86
		Limestone	19	905.85
		Ochre	2	18.00
		Pyrophyllite	2	69.68
		Quartz	20	517.86
		Shale	1	3.16
		Steatite	36	520.56
		Total	142	3,245.55
	Chittoor	China clay	1	14.17
		Felspar	1	3.78
		Gold	2	240.44
		Pyrophyllite	2	8.08
		Quartz	11	100.79
		Steatite	2	15.20
		Total	19	382.46
	Cuddapah	Asbestos	7	352.08
		Barytes	99	1,600.50
		China clay	13	611.92
		Clay (others)	5	245.27
		Dolomite	11	310.71
		Felspar	15	311.26
		Iron ore	1	18.62
		Laterite	3	298.67
		Limestone	18	1,296.55
		Magnesite	1	6.57
		Ochre	7	36.07
	Pyrophyllite	2	91.98	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Andhra Pradesh (Contd.)	Cuddapah (Contd.)	Quartz	13	196.03
		Quartzite	4	184.78
		Shale	2	19.71
		Silica sand	1	1.87
		Steatite	3	57.46
		Total	205	5,640.05
	Godavari East	China clay	13	22.79
		Fire clay	22	74.22
		Graphite	1	5.00
		Laterite	13	75.53
		Total	49	177.54
	Godavari West	Ball clay	20	254.01
		China clay	4	25.39
		Clay (others)	2	31.86
		Total	26	321.26
	Guntur	Limekankar	1	3.80
		Limestone	26	3,294.74
		Quartz	5	33.84
		Slate	2	80.95
		Total	34	3,413.33
	Karimnagar	Dolomite	2	32.47
		Laterite	2	8.30
		Limestone	2	682.52
		Sand (others)	5	1,610.85
		Silica sand	1	10.00
		Total	12	2,344.14
	Khammam	Barytes	4	297.91
		Corundum	4	19.57
		Dolomite	6	423.32
		Garnet	7	80.45
		Graphite	2	54.26
		Iron ore	5	629.68
		Limestone	2	32.23
Mica		2	29.83	
Quartz		9	37.75	
Sand (others)		4	86.90	
Total		45	1,691.90	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Andhra Pradesh (Contd.)	Krishna	Iron ore	2	13.87
		Limestone	17	2,377.35
		Quartz	3	2.86
		Total	22	2,394.08
	Kurnool	Barytes	6	233.16
		Calcite	2	33.68
		China clay	4	18.64
		Dolomite	28	246.42
		Felspar	1	16.87
		Iron ore	7	52.33
		Laterite	6	19.83
		Limestone	70	4,291.47
		Ochre	7	124.60
		Quartz	15	166.24
		Quartzite	4	31.77
		Shale	6	21.46
		Silica sand	14	187.14
		Steatite	60	353.94
		Total	230	5,797.55
	Mahbubnagar	Felspar	8	68.70
		Quartz	96	598.93
		Total	104	667.63
	Medak	Amethyst	1	1.31
		Laterite	7	41.05
		Ochre	1	5.67
		Quartz	22	177.77
		Total	31	225.80
	Nalgonda	Laterite	5	5.82
		Limestone	29	4,871.34
		Quartz	20	184.42
		Shale	1	4.45
		Total	55	5,066.03
	Nellore	Barytes	3	44.87
Felspar		4	92.73	
Garnet		1	39.68	
Iron ore		2	274.00	
Laterite		9	63.34	
Limeshell		2	75.56	
Mica		99	1,750.86	
Quartz		67	960.57	
Silica sand		39	832.80	
Vermiculite		6	95.28	
Total		232	4,229.69	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Andhra Pradesh (Contd.)	Nizamabad	Laterite	3	17.72
		Quartz	4	9.79
		Total	7	27.51
	Prakasam	Barytes	5	28.52
		Garnet	4	4.79
		Iron ore	1	5.91
		Quartz	72	1,750.05
		Silica sand	16	30.13
		Slate	10	380.31
		Total	108	2,199.71
		Rangareddi	Amethyst	3
	China clay		2	6.47
	Fire clay		2	8.09
	Laterite		13	138.69
	Limestone		5	1,195.27
	Quartz		30	180.52
	Shale		1	133.07
	Total		56	1,673.79
	Srikakulam	Garnet	3	910.17
		Lime kankar	1	5.85
		Limeshell	1	4.00
		Quartz	2	12.98
		Quartzite	2	16.02
		Silica sand	1	7.50
		Sillimanite	1	7,000.00
		Total	11	7,956.52
	Visakhapatnam	Apatite	1	13.29
		Calcite	3	105.52
		China clay	3	17.40
		Laterite	6	57.93
Limeshell		1	8.63	
Mica		10	359.22	
Ochre		1	5.47	
Phosphorite		1	2.83	
Quartz		11	226.47	
Total		37	796.76	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)	
Andhra Pradesh (Concl'd.)	Vizianagaram	Limekankar	12	90.98	
		Manganese ore	27	764.09	
		Moulding sand	1	31.16	
		Quartz	11	142.09	
		Quartzite	9	122.07	
		Sand (others)	2	65.47	
		Total	62	1,215.86	
	Warangal	Dolomite	3	19.58	
		Laterite	13	98.31	
		Sand (others)	1	13.85	
		Total	17	131.74	
	Assam	Karbi Anglong	Limestone	3	185.83
			Total	3	185.83
		North Cachar Hills	Limestone	8	795.50
Total			8	795.50	
Bihar	Nawada	Mica	2	1,196.80	
		Total	2	1,196.80	
	Rohtas	Limestone	6	166.06	
		Pyrite	1	647.50	
		Total	7	813.56	
	Supaul	Quartz	1	19.80	
		Total	1	19.80	
	Chhattisgarh	Bastar	Iron ore	1	192.25
			Limestone	18	42.44
			Total	19	234.69
Bilaspur		Dolomite	39	10,973.88	
		Total	39	10,973.88	
Dantewara		Iron ore	6	5,769.72	
		Tin	6	92.31	
		Total	12	5,862.03	
Durg		Dolomite	42	191.80	
		Iron ore	4	2,562.69	
		Limestone	42	1,047.31	
		Moulding sand	3	20.22	
		Quartzite	5	44.31	
		Total	96	3,866.33	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Chhattisgarh (Contd.)	Janjgir-Champa	Dolomite	6	208.87
		Limestone	3	735.21
		Total	9	944.08
	Jashpur	Quartz	2	4.36
		Total	2	4.36
	Kanker	Bauxite	3	13.22
		Iron ore	3	980.99
		Limestone	1	0.63
		Mould sand	1	13.84
		Steatite	4	7.89
		Total	12	1,016.57
	Kawardha	Bauxite	2	664.33
		Dolomite	1	12.14
		Limestone	1	3.78
		Total	4	680.25
	Korba	Fire clay	1	0.46
		Total	1	0.46
	Mahasamund	Fireclay	3	15.79
		Quartz	1	2.21
		Total	4	18.00
	Raigarh	Dolomite	1	2.33
		Limestone	10	28.33
		Quartz	2	4.25
		Quartzite	2	54.40
		Total	15	89.31
	Raipur	Dolomite	3	22.21
		Limestone	39	3,140.92
Total		42	3,163.13	
Rajnandgaon	China clay	7	32.83	
	Iron ore	1	80.72	
	Limestone	3	8.27	
	Moulding sand	3	22.61	
	Ochre	1	10.12	
	Quartz	2	10.23	
	Quartzite	9	54.40	
	Total	26	219.18	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Chhattisgarh(Contd.)	Surguja	Bauxite	7	4,514.98
		Graphite	3	98.79
		Total	10	4,613.77
Goa	North Goa	Iron ore	83	6,175.82
		Manganese ore	17	1,059.51
		Total	100	7,235.33
	South Goa	Bauxite	1	40.92
		Iron ore	104	7,826.97
		Manganese ore	45	3,062.77
Total	150	10,930.66		
Gujarat	Amreli	Bauxite	2	147.98
		China clay	1	3.01
		Clay (others)	1	89.60
		Limestone	5	1,864.75
		Total	9	2,105.34
	Banaskantha	Calcite	1	3.76
		Copper ore	1	1,402.83
		Limestone	9	422.35
		Vermiculite	1	1.84
		Total	12	1,830.78
	Bharuch	Agate	1	4.64
		Silica sand	26	442.23
		Total	27	446.87
	Bhavnagar	Chalk	1	12.00
		Clay (others)	4	190.81
		Dolomite	3	52.99
		Limestone	1	20.00
		Moulding sand	1	2.80
		Total	10	278.60
	Dahod	Fluorite	1	0.49
		Limestone	5	187.51
		Quartz	1	4.20
		Total	7	192.20
	Jamnagar	Bauxite	103	3,101.82
		Calcareous sand	14	151.54
		Chalk	8	33.52
		Clay (others)	1	20.23
Limestone		52	2,148.53	
Ochre		1	20.03	
Total		179	5,475.87	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Gujarat (Contd.)	Junagarh	Chalk	3	27.90
		Limestone	104	2,703.49
		Total	107	2,731.39
	Kheda	Bauxite	16	84.78
		Limestone	1	10.93
		Total	17	95.71
	Kutch	Ball clay	2	5.00
		Bauxite	7	490.97
		China clay	35	311.33
		Clay (others)	22	290.03
		Gypsum	1	4.95
		Limestone	4	312.18
		Ochre	1	2.00
		Silica sand	5	174.16
		Total	77	1,590.62
	Mehesana	China clay	8	241.27
		Fire clay	1	32.37
		Total	9	273.64
	Panchmahals	Manganese ore	1	2.95
		Quartz	27	193.56
		Quartzite	1	19.30
		Total	29	215.81
	Patan	Ball clay	1	5.49
		China clay	1	36.22
		Clay (others)	5	103.82
		Ochre	3	23.32
		Total	10	168.85
	Porbandar	Bauxite	6	171.99
		Chalk	129	509.60
		China clay	1	3.97
Limestone		169	3,230.77	
Total		305	3,916.33	
Rajkot	Chalk	22	80.81	
	Fire clay	8	10.91	
	Gypsum	1	1.81	
	Limestone	2	37.13	
	Perlite	1	144.65	
	Total	34	275.31	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Gujarat (Concl.)	Sabarkantha	Bauxite	13	91.29
		Calcite	3	6.58
		China clay	5	383.13
		Felspar	1	1.00
		Fire clay	9	34.62
		Limestone	2	2.53
		Quartz	1	4.04
		Silica sand	11	64.04
		Steatite	6	22.04
		Total	51	609.27
	Surat	Limestone	1	1,504.75
		Silica sand	1	6.52
		Total	2	1,511.27
	Surendranagar	Clay (others)	2	7.78
		Fire clay	51	287.62
		Moulding sand	3	4.03
		Silica sand	24	175.50
		Total	80	474.93
	Vadodara	Calcite	1	52.97
		Dolomite	91	992.88
Fluorite		1	31.20	
Quartz		1	3.00	
Vermiculite		1	23.20	
Total		95	1,103.25	
Haryana	Bhiwani	Limekankar	2	325.52
		Total	2	325.52
	Faridabad	China clay	1	125.00
		Silica sand	20	4,537.61
		Total	21	4,662.61
	Gurgaon	China clay	37	3,171.11
		Quartz	4	97.93
		Quartzite	2	47.78
		Silica sand	14	944.45
		Total	57	4,261.27

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)	
Haryana (Concl.)	Mahendragarh	Barytes	1	79.32	
		Calcite	2	158.56	
		Dolomite	2	252.15	
		Felspar	2	261.45	
		Limestone	6	71.17	
		Mica	1	400.00	
		Quartz	10	577.19	
		Slate	1	81.35	
		Total	25	1,881.19	
	Rewari	Quartzite	2	20.45	
		Total	2	20.45	
	Himachal Pradesh	Bilaspur	Limestone	4	248.39
			Total	4	248.39
		Kannaur	Gypsum	1	116.68
Total			1	116.68	
Mandi		Rock salt	3	53.86	
		Total	3	53.86	
Sirmur		Barytes	2	81.39	
		Limestone	48	742.15	
		Total	50	823.54	
Solan		Limestone	2	757.08	
		Total	2	757.08	
Jammu & Kashmir	Anantnag	Limestone	9	82.15	
		Total	9	82.15	
	Baramula	Gypsum	1	2.71	
		Total	1	2.71	
	Doda	Gypsum	2	55.00	
		Total	2	55.00	
	Jammu	Limestone	1	4.67	
		Total	1	4.67	
	Leh	Opal	1	200.00	
		Total	1	200.00	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Jammu & Kashmir (Concl'd.)	Pulwama	Limestone	1	100.00
		Total	1	100.00
	Srinagar	Limestone	2	145.02
		Total	2	145.02
	Udhampur	Magnesite	2	140.80
		Total	2	140.80
Jharkhand	Bokaro	Limestone	1	17.57
		Sand (others)	2	152.83
		Total	3	170.40
	Deogarh	Felspar	1	0.91
		Quartz	1	4.22
		Total	2	5.13
	Dhanbad	Fire clay	6	294.51
		Limestone	1	17.40
		Quartz	1	5.18
		Sand (others)	13	1,765.35
		Total	21	2,082.44
	Dumka	Quartz	1	0.88
		Total	1	0.88
	Garwah	Limestone	3	193.07
		Total	3	193.07
	Giridih	Felspar	1	191.42
		Mica	3	190.72
		Steatite	1	3.64
		Total	5	385.78
Godda	Limestone	1	18.82	
	Total	1	18.82	
Gumla	Bauxite	25	2,660.75	
	Total	25	2,660.75	
Hazaribagh	Felspar	1	3.13	
	Fire clay	4	215.04	
	Limestone	11	511.23	
	Mica	1	197.00	
	Pyrophyllite	1	22.50	
	Quartz	1	8.20	
	Total	19	957.10	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Jharkhand (Contd.)	Jamshedpur	Bauxite	1	44.56
		Total	1	44.56
	Kodarma	Feldspar	4	19.43
		Mica	26	579.00
		Quartz	6	89.89
		Steatite	1	1.08
		Total	37	689.40
	Latehar	Bauxite	2	478.35
		China clay	1	8.25
		Fire clay	15	405.56
		Graphite	1	17.81
		Iron ore	1	2.04
		Mica	1	4.45
		Quartz	11	142.32
		Total	32	1,058.78
	Lohardaga	Bauxite	18	855.48
		Total	18	855.48
	Palamau	Dolomite	1	18.45
		Felspar	1	1.25
		Graphite	14	425.86
		Iron ore	4	58.06
		Limestone	1	25.97
		Steatite	1	2.52
Total		22	532.11	
Ranchi	China clay	2	19.07	
	Felspar	1	37.56	
	Limestone	6	1,335.35	
	Total	9	1,391.98	
Sahebganj	China clay	2	12.25	
	Total	2	12.25	
Saraikela-Kharaswa	Kyanite	1	3.84	
	Pyroxenite	1	13.64	
	Quartz	4	49.04	
	Steatite	1	31.36	
	Total	7	97.88	
Singhbhum (East)	Copper ore	4	6,574.99	
	Kyanite	1	2.43	
	Limestone	24	383.08	
	Total	29	6,960.50	

Contd...

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Jharkhand (Concl'd.)	Singhbhum (West)	China clay	16	1,496.70
		Gold	1	19.50
		Iron ore	43	12,319.13
		Kyanite	7	2,653.23
		Limestone	5	48.30
		Ochre	1	5.62
		Pyroxenite	7	65.06
		Quartz	1	2.02
		Quartzite	3	27.83
		Steatite	2	27.06
		Total	86	16,664.45
Karnataka	Bagalkot	Dolomite	12	296.21
		Iron ore	2	69.99
		Limestone	57	2,852.39
		Quartz	1	4.05
		Total	72	3,222.64
	Bangalore	China clay	1	48.56
		Corundum	1	2.02
		Felspar	4	131.91
		Fire clay	1	2.02
		Silica sand	1	41.83
		Total	8	226.34
	Belgaum	Bauxite	1	59.23
		Calcite	1	17.00
		China clay	4	15.10
		Clay (others)	2	24.68
		Dolomite	4	15.88
		Fireclay	1	2.16
		Laterite	2	95.21
		Limestone	16	1,038.65
		Manganese ore	1	2.33
		Moulding sand	4	61.92
		Quartz	2	5.67
		Quartzite	2	8.90
		Silica sand	3	8.11
		Total	43	1,354.84
	Bellary	Iron ore	57	4,653.88
		Manganese ore	6	514.65
		Moulding sand	5	51.68
		Ochre	2	529.35
		Quartz	14	103.11
		Steatite	2	4.89
Total		86	5,857.56	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Karnataka (Contd.)	Bidar	Ochre	1	21.85
		Total	1	21.85
	Chickmagalur	Dunite	1	4.45
		Iron ore	2	4,647.70
		Total	3	4,652.15
	Chitradurga	Barytes	1	17.00
		Iron ore	6	447.96
		Kyanite	1	169.96
		Limestone	13	1,551.40
		Manganese ore	10	619.18
		Moulding sand	1	48.56
		Total	39	2,974.51
	Coorg	Corundum	1	0.80
		Total	1	0.80
	Dawangere	Manganese ore	2	64.61
		Moulding sand	6	124.34
		Quartz	3	12.14
		Total	11	201.19
	Dharwar	China clay	1	20.23
		Total	1	20.23
	Gulbarga	Gold	1	55.75
Limestone		9	3,080.69	
Moulding sand		1	6.50	
Quartz		2	39.61	
Total		13	3,182.55	
Hassan	China clay	2	311.60	
	Chromite	7	1,602.46	
	Quartz	4	70.75	
	Steatite	1	80.94	
	Total	15	2,092.05	
Haveri	Moulding sand	10	380.81	
	Total	10	380.81	
Kolar	China clay	4	300.51	
	Felspar	1	2.56	
	Fire clay	1	14.16	
	Gold	1	5,215.21	
	Laterite	1	2.02	
	Total	8	5,534.46	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Karnataka (Contd.)	Koppal	Quartz	8	71.43
		Total	8	71.43
	Mandya	Corundum	1	1.64
		Felsite	1	1.61
		Quartz	4	35.22
		Total	6	38.47
	Mysore	Corundum	3	86.05
		Felsite	4	129.18
		Graphite	4	235.04
		Kyanite	5	126.78
		Limestone	2	24.28
		Magnesite	6	149.85
		Quartz	2	13.08
		Steatite	1	12.14
		Total	27	776.40
	North Kanara	Limeshell	14	1,114.40
		Limestone	1	135.57
		Manganese ore	1	187.78
		Moulding sand	2	136.98
		Quartz	1	1.82
		Silica sand	13	258.80
		Total	32	1,835.35
	Raichur	Gold	3	965.08
		Quartz	2	13.73
		Total	5	978.81
	Shimoga	China clay	3	33.99
		Kyanite	1	2.42
Limestone		1	97.12	
Manganese ore		1	54.00	
Quartz		1	16.19	
Total	7	203.72		
South Kanara	Quartz	1	1.95	
	Silica sand	3	118.29	
	Total	4	120.24	
Tumkur	China clay	1	43.17	
	Fire clay	2	388.49	
	Gold	1	38.04	
	Iron ore	7	793.18	
	Limestone	7	228.03	
	Manganese ore	7	553.04	
	Ochre	1	6.07	
	Quartz	9	30.69	
	Steatite	3	48.96	
Total	38	2,129.67		

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Karnataka (Concl.)	Udupi	Bauxite	1	28.80
		Limeshell	4	407.53
		Ochre	1	56.65
		Silica sand	20	786.06
		Total	26	1,279.04
Kerala	Alapuzha	Bauxite	1	1.13
		Limeshell	8	940.44
		Silica sand	48	42.00
		Total	57	993.37
	Eranakulam	Graphite	1	1.25
		Total	1	1.25
	Kannur	China clay	3	10.73
		Laterite	2	1.22
		Total	5	11.95
	Kasargod	China clay	1	2.64
		Total	1	2.64
	Kollam	Bauxite	3	1.37
		China clay	4	8.75
		Sillimanite	3	327.35
		Total	10	337.47
	Kottayam	Limeshell	2	556.25
		Total	2	556.25
	Kozhi Kode	Quartzite	1	2.02
		Total	1	2.02
	Palakkad	Limestone	1	245.69
		Total	1	245.69
	Thiruvananthapuram	China clay	37	79.01
Silica sand		1	1.13	
Total		38	80.14	
Wynad	Quartz	2	3.21	
	Total	2	3.21	
Madhya Pradesh	Anup Pur	Laterite	1	17.14
		Total	1	17.14
	Badwani	Calcite	24	51.61
		Total	24	51.61

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Madhya Pradesh (Contd.)	Balaghat	Copper ore	2	479.90
		Dolomite	13	94.75
		Fire clay	1	2.41
		Limestone	7	73.98
		Manganese ore	25	1,372.72
		Ochre	1	16.18
		Sand (others)	1	5.50
		Total	50	2,045.44
	Betul	Lead & zinc ores	1	3.83
		Total	1	3.83
Chhatarpur	China clay	2	20.12	
	Diaspore	7	32.00	
	Limestone	2	4.91	
	Phosphorite	1	48.76	
	Pyrophyllite	14	54.79	
	Quartzite	1	6.10	
	Steatite	2	10.36	
	Total	29	177.04	
Chhindwara	Dolomite	7	63.19	
	Manganese ore	1	54.13	
	Total	8	117.32	
Damoh	Laterite	1	21.25	
	Limestone	8	1,484.60	
	Sand (others)	1	2.02	
	Total	10	1,507.87	
Datia	Lead & zinc ores	1	11.00	
	Quartz	2	14.09	
	Total	3	25.09	
Dewas	Barytes	1	3.35	
	Silica sand	1	4.05	
	Total	2	7.40	
Dhar	Limestone	19	126.66	
	Ochre	1	6.31	
	Total	20	132.97	
Gwalior	China clay	1	20.63	
	Iron ore	2	22.06	
	Laterite	1	4.84	
	Quartz	1	1.29	
	Total	5	48.82	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Madhya Pradesh (Contd.)	Jabalpur	Bauxite	3	8.74
		Dolomite	4	52.53
		Fire clay	13	96.89
		Iron ore	6	90.03
		Laterite	6	38.32
		Limestone	10	1,062.55
		Ochre	1	4.14
		Quartz	2	13.98
		Steatite	3	43.34
		Total	49	1,410.52
	Jhabua	Calcite	1	2.40
		Dolomite	16	97.92
		Limestone	1	2.15
		Phosphorite	2	11.32
		Steatite	1	3.59
		Total	21	117.38
	Katni	Bauxite	9	74.67
		Dolomite	23	137.76
		Fire clay	16	160.83
		Iron ore	1	12.59
		Laterite	2	4.94
		Limestone	89	1,527.72
		Ochre	4	10.11
		Silica sand	1	0.60
		Steatite	2	15.71
		Total	147	1,944.93
	Khargon	Calcite	4	15.04
		China clay	1	0.61
		Limestone	2	4.89
		Silica sand	2	1.60
		Total	9	22.14
	Mandla	Dolomite	35	104.66
		Total	35	104.66
Mandsaur	Laterite	12	61.52	
	Shale	16	178.71	
	Slate	1	55.49	
	Total	29	295.72	
Morena	Limestone	1	18.00	
	Total	1	18.00	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Madhya Pradesh (Contd.)	Narsinhapur	Dolomite	4	14.08
		Fire clay	1	20.00
		Limestone	2	35.06
		Steatite	8	31.19
		Total	15	100.33
	Nimach	Laterite	3	33.28
		Limestone	6	963.09
		Total	9	996.37
	Panna	Diamond	2	576.51
		Limestone	1	48.39
		Total	3	624.90
	Rewa	Bauxite	10	126.52
		Limestone	18	1,540.10
		Ochre	3	47.37
		Total	31	1,713.99
	Sagar	Dolomite	2	20.36
		Phosphorite	1	52.80
		Pyrophyllite	2	3.21
		Total	5	76.37
Satna	Bauxite	15	130.84	
	China clay	8	68.63	
	Clay (others)	2	1.33	
	Laterite	16	172.22	
	Limestone	110	5,020.05	
	Ochre	32	475.19	
	Total	183	5,868.26	
Seoni	Dolomite	8	13.66	
	Total	8	13.66	
Shahdol	Bauxite	1	500.27	
	China clay	3	20.84	
	Fire clay	1	5.66	
	Ochre	2	26.76	
	Total	7	553.53	
Shivpuri	Diaspore	1	17.00	
	Total	1	17.00	
Shyampur	Limestone	7	508.25	
	Ochre	2	22.59	
	Total	9	530.84	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Madhya Pradesh (Concid.)	Sidhi	Limestone	4	497.77
		Total	4	497.77
	Tikamgarh	Barytes	1	2.02
		China clay	1	5.00
		Diaspore	3	31.11
		Pyrophyllite	22	185.74
		Quartz	2	16.00
		Total	29	239.87
	Umaria	China clay	1	11.24
		Fire clay	3	22.62
		Ochre	3	23.01
		Total	7	56.87
	Maharashtra	Amravati	China clay	2
Fire clay			1	13.26
Total			3	29.97
Bhandara		Chromite	1	16.22
		Corundum	1	3.96
		Kyanite	15	310.96
		Manganese ore	7	395.11
		Quartz	4	33.32
		Sand (others)	2	43.34
		Total	30	802.91
Chandrapur		China clay	1	18.00
		Fluorite	1	32.70
		Iron ore	3	29.92
		Laterite	3	73.44
		Limestone	18	3,630.56
		Quartz	3	32.81
		Sand (others)	5	461.08
		Shale	1	32.49
		Total	35	4,311.00
Gadchiroli	Iron ore	1	9.96	
	Total	1	9.96	
Gondia	Iron ore	4	35.75	
	Quartz	1	14.32	
	Total	5	50.07	
Jalna	Agate	1	40.94	
	Total	1	40.94	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease area (Hect.)
Maharashtra (Concltd.)	Kolhapur	Bauxite	18	4,405.57
		Iron ore	1	143.95
		Total	19	4,549.52
	Nagpur	China clay	4	40.75
		Dolomite	13	148.75
		Manganese ore	30	706.14
		Ochre	1	12.36
		Quartz	1	1.07
		Sand (others)	4	191.88
		Total	53	1,100.95
	Raigad	Bauxite	4	225.74
		Total	4	225.74
	Ratnagiri	Bauxite	7	782.33
		Moulding sand	1	47.02
		Silica sand	7	473.97
		Total	15	1,303.32
	Satara	Bauxite	1	125.06
		Total	1	125.06
	Sindhudurg	China clay	1	13.18
		Felspar	2	53.65
		Fire clay	1	5.14
Iron ore		15	653.55	
Manganese ore		1	191.85	
Mica		1	42.06	
Moulding sand		1	4.85	
Quartz		2	91.15	
Silica sand		23	986.61	
Total		47	2,042.04	
Yeotmal	Dolomite	1	61.91	
	Limestone	36	2,349.41	
	Sand (others)	1	44.00	
	Total	38	2,455.32	
Manipur	Chandel	Chromite	1	223.93
		Total	1	223.93
Manipur	Ukhrul	Chromite	1	386.24
		Total	1	386.24
Meghalaya	Garo Hills West	Fire clay	1	221.44
		Limestone	2	470.00
		Total	3	691.44

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)	
Meghalaya (Concl.)	Jaintia Hills	Limestone	2	15.28	
		Total	2	15.28	
	Khasi Hills East	China clay	2	9.77	
		Limestone	5	878.77	
		Shale	1	4.90	
		Total	8	893.44	
	Khasi Hills West	Limestone	1	60.00	
		Total	1	60.00	
	Orissa	Angul	Quartz	1	8.13
			Sand (others)	3	318.33
Total			4	326.46	
Bargarh		Graphite	12	214.81	
		Limestone	2	806.53	
		Quartz	1	15.21	
		Total	15	1,036.55	
Baudh		Quartz	4	58.47	
		Total	4	58.47	
Bolangir		Graphite	53	1,457.79	
		Limestone	1	27.65	
		Manganese ore	1	7.27	
		Quartz	2	143.99	
		Total	57	1,636.70	
Cuttack		Fire clay	7	926.19	
		Total	7	926.19	
Dhenkanal		Chromite	2	847.48	
		Total	2	847.48	
Ganjam		Sillimanite	1	2,483.02	
		Total	1	2,483.02	
Jajpur	Chromite	12	3,888.39		
	Iron ore	1	190.22		
	Quartz	1	7.23		
	Quartzite	1	2.31		
	Total	15	4,088.15		
Jharsuguda	Fire clay	2	246.42		
	Ochre	1	102.27		
	Quartzite	2	107.01		
	Sand (others)	1	109.20		
	Total	6	564.90		

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Orissa (Contd.)	Kalahandi	Amethyst	1	27.65
		Corundum	1	57.46
		Graphite	9	195.99
		Iolite	8	76.97
		Quartz	32	314.71
		Total	51	672.78
	Keonjhar	Asbestos	1	49.22
		Chromite	6	2,198.75
		Iron ore	54	19,687.36
		Manganese ore	19	6,729.56
		Pyrophyllite	8	487.29
		Quartz	2	35.99
		Total	90	29,188.17
	Khurda	Fire clay	2	127.64
		Total	2	127.64
	Koraput	Bauxite	2	4,647.28
		China clay	1	38.50
		Limestone	2	1,586.18
		Mica	1	2.67
		Quartz	2	22.76
		Total	8	6,297.29
	Malkangiri	Quartz	1	2.48
		Tin	1	36.26
		Total	2	38.74
	Mayurbhanj	China clay	7	655.44
		Fire clay	1	22.49
		Graphite	1	24.91
		Iron ore	7	1,204.91
		Quartz	1	1.29
		Quartzite	7	20.65
		Steatite	2	136.20
		Total	26	2,065.89
Nawapara	Corundum	1	33.95	
	Graphite	4	116.06	
	Limestone	3	342.93	
	Total	8	492.94	
Nayagarh	Graphite	1	16.64	
	Total	1	16.64	

Contd.

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Orissa (Concl.)	Raygada	Bauxite	1	1,388.74
		Graphite	7	281.82
		Manganese ore	2	512.83
		Total	10	2,183.39
	Sambalpur	Fire clay	1	8.84
		Quartz	3	47.73
		Total	4	56.57
	Sundergarh	Bauxite	1	43.07
		Dolomite	7	740.03
		Fire clay	3	545.56
		Iron ore	29	6,897.78
		Lead & zinc ores	1	499.60
		Limestone	19	3,211.22
		Manganese ore	7	1,562.78
		Quartz	2	199.75
		Sand (others)	2	9.90
		Steatite	1	155.93
		Total	72	13,865.62
	Rajasthan	Ajmer	Asbestos	4
Felspar			128	2,523.60
Garnet			5	24.14
Lead & zinc ores			1	480.45
Limestone			1	8.57
Magnesite			1	5.00
Mica			44	1,301.77
Quartz			4	127.33
Steatite			2	131.00
Vermiculite			1	42.22
Wollastonite			1	5.00
Total			192	4,863.74
Alwar			Barytes	2
		China clay	1	4.73
		Copper ore	1	914.07
		Felspar	1	5.00
		Fire clay	1	3.75
		Ochre	1	60.70
		Silica sand	1	4.73
		Steatite	8	511.01
Total	16	1,545.84		
Banswara	Graphite	2	383.55	
	Limestone	1	65.82	
	Manganese ore	1	80.00	
	Steatite	2	713.08	
	Total	6	1,242.45	

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Rajasthan (Contd.)	Barmer	China clay	2	10.00
		Gypsum	5	1,630.51
		Silica sand	5	551.09
		Total	12	2,191.60
	Bharatpur	Fire clay	3	47.75
		Ochre	2	10.00
		Silica sand	23	1,491.53
		Total	28	1,549.28
	Bhilwara	Asbestos	9	45.00
		Calcite	1	5.00
		China clay	13	783.32
		Felspar	53	4,646.06
		Garnet	1	5.00
		Kyanite	1	5.00
		Lead & zinc ores	1	1,200.00
		Mica	67	1,539.38
		Ochre	3	16.00
		Quartz	2	48.16
		Silica sand	1	5.00
		Steatite	10	1,519.35
		Total	162	9,817.27
		Bikaner	Ball clay	10
	China clay		51	4,105.98
	Fire clay		18	2,190.31
	Gypsum		14	4,451.61
	Total		93	11,531.86
	Bundi	China clay	2	109.00
		Ochre	2	99.37
		Silica sand	2	357.00
		Total	6	565.37
	Chittorgarh	China clay	26	1,039.34
		Limestone	7	2,968.25
		Ochre	17	1,284.85
		Quartz	1	4.98
		Shale	1	5.00
		Total	52	5,302.42
	Dausa	China clay	1	32.37
		Iron ore	1	65.25
		Quartz	3	191.28
		Silica sand	7	348.97
		Steatite	5	352.20
		Total	17	990.07

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Rajasthan (Contd.)	Dungarpur	Felspar	1	100.00
		Fluorite	9	425.98
		Steatite	53	3,766.85
		Total	63	4,292.83
	Ganganagar	Gypsum	8	1,475.89
		Total	8	1,475.89
	Hanumangarh	Gypsum	5	7,084.65
		Total	5	7,084.65
	Jaipur	Asbestos	1	66.50
		Calcite	1	296.41
		China clay	7	1,171.14
		Dolomite	2	92.93
		Epidote	1	5.00
		Felspar	8	266.33
		Iron ore	5	1,106.80
		Limestone	3	1,334.90
		Mica	2	68.37
		Ochre	2	183.00
		Quartz	25	563.81
		Silica sand	18	564.90
		Steatite	9	849.98
		Total	84	6,870.07
		Jaisalmer	Ball clay	1
	Dolomite		1	32.37
	Gypsum		3	867.89
	Limestone		2	1,998.00
	Ochre		1	32.37
	Silica sand		8	385.00
	Total	16	3,465.63	
	Jalore	Fluorite	4	1,075.00
		Gypsum	1	178.50
		Total	5	1,253.50
	Jhunjhunu	Calcite	4	109.94
		Copper ore	4	803.88
		Dolomite	1	33.68
		Fire clay	3	84.99
		Iron ore	5	257.54
		Ochre	1	33.00
		Pyrophyllite	1	42.50
		Quartz	2	170.00
		Steatite	5	432.56
	Total	26	1,968.09	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Rajasthan (Contd.)	Jodhpur	Jasper	5	211.70
		Total	5	211.70
	Karauli	Silica sand	23	745.97
		Steatite	1	5.00
		Total	24	750.97
	Kota	Limestone	6	1,319.52
		Total	6	1,319.52
	Nagaur	Ball clay	2	10.00
		China clay	10	48.94
		Gypsum	5	2,401.07
		Limestone	12	6,700.63
		Total	29	9,160.64
	Pali	Asbestos	1	76.89
		Ball clay	6	777.73
		Felspar	2	69.87
		Limestone	11	1,114.15
		Magnesite	2	10.00
		Quartz	13	1,167.88
		Total	35	3,216.52
	Rajsamand	Asbestos	11	729.82
		Felspar	2	10.00
		Lead & zinc ores	3	1,725.82
		Mica	2	10.00
		Pyrophyllite	2	105.00
		Quartz	79	564.77
		Steatite	31	2,455.28
		Total	130	5,600.69
Sawai Madhopur	Ochre	1	38.43	
	Quartz	2	249.45	
	Silica sand	2	282.25	
	Total	5	570.13	
Sikar	Barytes	1	47.51	
	Calcite	7	222.79	
	China clay	1	32.54	
	Dolomite	3	387.93	
	Felspar	7	262.83	
	Iron ore	4	91.71	
	Limestone	5	2,363.12	
	Ochre	1	5.00	
	Quartz	36	658.94	
	Silica sand	3	15.00	
	Quartz	1	5.00	
	Total	69	4,092.37	

Table-4 (concl.d.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
West Bengal	Bankura	China clay	10	62.50
		Felspar	1	2.23
		Fire clay	3	13.58
		Quartz	2	4.33
		Quartzite	1	4.70
		Total	17	87.34
	Birbhum	China clay	15	210.88
		Fire clay	1	46.00
		Total	16	256.88
	Burdwan	Fire clay	6	9,882.58
		Moulding sand	1	0.37
		Total	7	9,882.95
	Jalpaiguri	Dolomite	2	927.00
		Total	2	927.00
	Midnapur	Ochre	1	5.76
		Total	1	5.76
	Purulia	China clay	2	332.29
		Limestone	1	0.67
		Moulding sand	1	5.14
		Phosphorite	1	29.13
		Quartz	3	6.37
		Sand (others)	1	44.09
		Total	9	417.69

3.2 DISTRICT-WISE ANALYSIS

(i) High Mineral Potential Districts :

District-wise analysis indicates that the total number of mineral bearing districts are around 279 falling in 23 States in the country. Out of these, 16 districts in 5 States are considered as highly potential districts in each of which more than 100 mining leases granted. There are 2,684 mining leases granted covering an area of 85,337 hectares in the country. These constitute 35% of total number of mining leases and cover around 18% of total area. Information on the number of mining leases granted in highly potential districts is furnished in Table-5.

TABLE - 5 : HIGH MINERAL POTENTIAL DISTRICTS

S. No.	District	No. of leases	No. of Minerals	Area of leases (Hect.)	State
1.	Anantapur	142	14	3,245.55	Andhra Pradesh
2.	Cuddapah	205	17	5,640.05	Andhra Pradesh
3.	Kurnool	230	14	5,797.55	Andhra Pradesh
4.	Mahbubnagar	104	2	667.63	Andhra Pradesh
5.	Nellore	232	10	4,229.69	Andhra Pradesh
6.	Prakasam	108	6	2,199.71	Andhra Pradesh
7.	South Goa	150	3	10,930.66	Goa
8.	Jamnagar	179	6	5,475.87	Gujarat
9.	Junagarh	107	2	2,731.39	Gujarat
10.	Porbandar	305	4	3,916.33	Gujarat
11.	Katni	147	9	1,944.93	Madhya Pradesh
12.	Satna	183	6	5,868.26	Madhya Pradesh
13.	Ajmer	192	11	4,863.74	Rajasthan
14.	Bhilwara	162	12	9,817.27	Rajasthan
15.	Rajsamand	130	7	5600.69	Rajasthan
16.	Udaipur	108	12	12,407.66	Rajasthan
Total		2,684		85,336.98	

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

Mining leases granted between 51 to 100 is considered as medium potential districts. There are 1,959 mining leases granted in 28 districts covering an area of 1,31,682 hectares in the country. These constitute 26% of total number of mining leases and cover over 29% of total area. Information on the number of mining leases granted in medium potential districts is furnished in Table-6.

TABLE -6 : MEDIUM MINERAL POTENTIAL DISTRICTS

S. No.	District	No. of leases	No. of minerals	Area of leases (Hect.)	State
1.	Nalgonda	55	4	5066.03	Andhra Pradesh
2.	Rangareddi	56	7	1673.79	Andhra Pradesh
3.	Vizianagaram	62	6	1,215.86	Andhra Pradesh
4.	Durg	96	5	3,866.33	Chhattisgarh
5.	North Goa	100	2	7,235.33	Goa
6.	Kutch	77	8	1,590.62	Gujarat
7.	Sabarkantha	51	9	609.27	Gujarat
8.	Surendranagar	80	4	474.93	Gujarat
9.	Vadodara	95	5	1,103.25	Gujarat
10.	Gurgaon	57	4	4,261.27	Haryana
11.	Singhbhum (West)	86	10	16,664.45	Jharkhand
12.	Bagalkot	72	4	3,222.64	Karnataka
13.	Bellary	86	6	5,857.56	Karnataka
14.	Alapuzha	57	3	993.37	Kerala
15.	Nagpur	53	6	1100.95	Maharashtra
16.	Bolangir	57	4	1,636.70	Orissa
17.	Kalahandi	51	5	672.78	Orissa
18.	Keonjhar	90	6	29,188.17	Orissa
19.	Sundergarh	72	10	13,865.62	Orissa
20.	Bikaner	93	4	11,531.86	Rajasthan
21.	Dungarpur	63	3	4,292.83	Rajasthan
22.	Jaipur	84	13	6,870.07	Rajasthan
23.	Sikar	69	11	4,092.37	Rajasthan
24.	Karur	62	3	124.16	Tamil Nadu
25.	Perambalur	55	3	744.00	Tamil Nadu
26.	Salem	66	4	1,451.26	Tamil Nadu
27.	Tirunelveli	62	2	857.22	Tamil Nadu
28.	Allahabad	52	1	1,419.23	Uttar pradesh
Total		1,959		131,681.92	

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

Mining leases granted between 1 to 50 is considered as low mineral potential districts. There are 2,967 mining leases granted in 235 districts covering an area of 2,42,695 hectares in the country. These account for 39% of the leases, covering 53% of the total area. State-wise distribution of low potential districts and total area covered and no. of leases are given in Table-7.

TABLE - 7 : LOW MINERAL POTENTIAL DISTRICTS

S. No.	State	No. of District	No. of Lease	Lease Area (Hect.)
1.	Andhra Pradesh	13	347	23,067.05
2.	Assam	2	11	981.33
3.	Bihar	3	10	2,030.16
4.	Chhattisgarh	13	195	27,819.71
5.	Gujarat	11	166	7,394.38
6.	Haryana	4	50	6,889.77
7.	Himachal Pradesh	5	60	1,999.55
8.	Jammu & Kashmir	8	19	730.35
9.	Jharkhand	18	237	18,117.31
10.	Karnataka	21	306	28,074.81
11.	Kerala	9	61	1,240.62
12.	Madhya Pradesh	29	425	11,525.05
13.	Maharashtra	12	199	15,945.85
14.	Manipur	2	2	610.17
15.	Meghalaya	4	14	1,660.16
16.	Orissa	16	115	21,610.32
17.	Rajasthan	21	355	46,898.03
18.	Sikkim	2	4	102.06
19.	Tamil Nadu	25	236	3,487.28
20.	Uttarkhand	5	67	3,063.01
21.	Uttar Pradesh	6	36	7,870.88
22.	West Bengal	6	52	11,577.62
Total		235	2,967	242,695.47

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Rajasthan (Concl'd.)	Sirohi	Calcite	5	366.66
		Fluorite	1	167.62
		Lead & zinc ores	1	63.00
		Limestone	5	1,118.56
		Wollastonite	2	95.69
		Total	14	1,811.53
	Tonk	Felspar	3	70.37
		Garnet	10	320.99
		Mica	4	175.87
		Quartz	15	302.84
		Quartzite	1	5.00
		Silica sand	6	299.16
		Steatite	1	48.00
		Total	40	1,222.23
	Udaipur	Asbestos	3	230.43
		Barytes	1	31.00
		Calcite	5	166.50
		China clay	1	5.00
		Lead & zinc ores	1	3,620.00
		Limestone	1	704.90
		Ochre	6	30.00
		Phosphorite	6	2,092.11
		Pyrophyllite	3	160.66
Quartz		2	10.00	
Steatite		83	5,280.26	
Wollastonite		1	101.80	
Total		113	12,432.66	
Sikkim		Sikkim East	Copper ore	3
	Total		3	100.73
	Sikkim West	Dolomite	1	1.33
		Total	1	1.33
Tamil Nadu	Ariyalur	Limestone	9	582.02
		Total	9	582.02
	Chengai-Anna	Quartz	1	6.58
		Total	1	6.58
	Coimbatore	Quartz	10	19.65
		Steatite	2	5.46
		Total	12	25.11

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Tamil Nadu (Contd.)	Cuddalore	Fire clay	5	49.06
		Silica sand	1	1.06
		Total	6	50.12
	Dharmapuri	Quartz	4	37.24
		Total	4	37.24
	Dindigul	Limestone	16	46.06
		Quartz	14	14.87
		Total	30	60.93
	Erode	Limestone	1	1.82
		Quartz	38	74.94
		Total	39	76.76
	Kanchipuram	Limeshell	1	190.00
		Silica sand	5	11.32
		Total	6	201.32
	Kanyakumari	Garnet	9	270.67
		Total	9	270.67
	Karur	Limestone	15	50.46
		Magnesite	2	4.41
		Quartz	45	69.29
		Total	62	124.16
	Krishnagiri	Limestone	2	2.46
		Total	2	2.46
	Madurai	Graphite	1	14.51
		Limestone	2	3.11
		Quartz	4	5.80
		Total	7	23.42
	Nagapattinan	Silica sand	5	9.47
Total		5	9.47	
Namakkal	Bauxite	2	158.46	
	Limestone	17	61.50	
	Magnesite	1	1.82	
	Quartz	20	38.09	
	Total	40	259.87	
Perambalur	Fire clay	19	52.35	
	Gypsum	4	164.14	
	Limestone	32	527.51	
	Total	55	744.00	

Contd..

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Tamil Nadu (Contd.)	Periyar	Quartz	12	9.47
		Total	12	9.47
	Ramnathapuram	Limeshell	1	539.05
		Total	1	539.05
	Salem	Felspar	1	39.47
		Limestone	27	150.41
		Magnesite	13	1,198.68
		Quartz	25	62.70
		Total	66	1,451.26
	Sivaganga	Graphite	4	277.11
		Total	4	277.11
	Theni	Limestone	3	6.77
		Total	3	6.77
	Thiruvarur	Silica sand	1	4.16
		Total	1	4.16
	Thiruvannamalai	Fire clay	1	4.87
		Total	1	4.87
	Tiruchirapalli	China clay	1	12.30
		Dolomite	1	62.07
		Fire clay	1	1.20
		Garnet	1	19.06
		Gypsum	3	44.26
		Limestone	8	94.28
		Quartz	2	4.07
		Total	18	242.14
	Tirunelveli	Garnet	44	214.36
		Limestone	18	642.86
Total		62	857.22	
Tootokudi	Limestone	3	6.48	
	Total	3	6.48	
Tuticorin	Garnet	2	21.93	
	Limestone	3	6.38	
	Total	5	28.31	
Vellore	Steatite	1	28.26	
	Vermiculite	1	23.71	
	Total	2	51.97	

Contd.

Table-4 (contd.)

State	District	Mineral	No. of Leases	Lease Area (Hect.)
Tamil Nadu (Concl'd.)	Villupuram	China clay	1	3.25
		Silica sand	2	2.46
		Total	3	5.71
	Virudhunagar	Limestone	13	705.27
	Total	13	705.27	
Uttar Pradesh	Allahabad	Silica sand	52	1,419.23
		Total	52	1,419.23
	Chitrakut	Silica sand	6	197.34
		Total	6	197.34
	Hamirpur	Pyrophyllite	4	31.42
		Total	4	31.42
	Jhansi	Pyrophyllite	6	141.12
		Total	6	141.12
	Lalitpur	Phosphorite	1	874.00
		Pyrophyllite	10	1,308.25
		Total	11	2,182.25
	Mahoba	Pyrophyllite	3	11.08
Total		3	11.08	
Sonbhadra	Calcite	1	27.92	
	Dolomite	1	1,656.32	
	Limestone	4	3,623.43	
	Total	6	5,307.67	
Uttaranchal	Almora	Steatite	2	6.24
		Total	2	6.24
	Bageshwar	Magnesite	1	53.20
		Steatite	40	1,686.34
		Total	41	1,739.54
	Dehradun	Limestone	2	97.15
		Phosphorite	2	222.05
		Total	4	319.20
	Pithoragarh	Magnesite	3	687.92
		Steatite	13	282.34
		Total	16	970.26
	Tehri Garhwal	Limestone	4	27.77
Total		4	27.77	

3.3 MINERAL-WISE ANALYSIS

There are 60 naturally occurring minerals for which the 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 and noble metals, industrial mineral and precious mineral. 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 and industrial mineral group includes asbestos. At present, there are no commercial mining leases for silver and platinum group of metals in the country.

Scheduled minerals for which mining leases are granted as on 31.3.2006 are nine in number and the number of leases are 1,097 or 14% of the total mining leases with an area of hectares 1,59,350.63 or 35% of the total mining area in the country. Out of the nine scheduled minerals, the total number of mining leases granted for iron ore is placed at 485 followed by bauxite (286), manganese ore (222), asbestos (37), chromite (30) and copper ore (15). These six minerals accounts for 1,075 mining leases (98%) of the mining leases with an area of 1,44,467.95 hectares (91%) of the lease area of scheduled minerals. The distribution of mining leases for scheduled minerals are given in Table-8.

TABLE-8 : DISTRIBUTION OF MINING LEASES FOR SCHEDULED MINERALS

S.No.	Mineral	No. of leases executed	Area in hectares
1.	Asbestos	37	1,764.60
2.	Bauxite	286	26,069.14
3.	Chromite	30	9,163.47
4.	Copper ore	15	10,276.40
5.	Diamond	2	576.51
6.	Gold	10	6,702.44
7.	Iron ore	485	78,319.40
8.	Lead & zinc ore	10	7,603.70
9.	Manganese ore	222	18,874.94
	Total	1,097	159,350.60

(ii) Non-scheduled Minerals

There are 51 non-scheduled or industrial minerals, for which leases are granted in the country. In all, there are 6,513 (86%) of the total mining leases granted for these minerals with an area of 3,00,363.77 hectares (65%) of the total lease area. Distribution of mining leases for non-scheduled minerals are given in Table-9.

**TABLE- 9 : DISTRIBUTION OF MINING LEASES FOR
NON-SCHEDULED MINERALS**

S.No.	Mineral	No. of leases executed	Area in hectares
1	Agate	2	45.58
2	Amethyst	5	40.64
3	Apatite	1	13.29
4	Ball clay	42	1986.19
5	Barytes	128	2510.40
6	Calcareous sand	14	151.54
7	Calcite	66	1642.34
8	Chalk	163	663.83
9	China clay	414	16506.32
10	Clay (others)	46	1005.41
11	Corundum	15	221.81
12	Diaspore	11	80.11
13	Dolomite	448	19494.93
14	Dunite	1	4.45
15	Epidote	1	5.00
16	Felsite	5	130.79
17	Felspar	258	9225.90
18	Fire clay	242	16587.85
19	Fluorite	17	1732.99
20	Garnet	87	1911.24
21	Graphite	120	3821.20
22	Gypsum	54	18479.67
23	Iolite	8	76.97
24	Jaspar	5	211.70
25	Kyanite	32	3274.62
26	Laterite	132	1401.38
27	Lime kankar	16	426.15
28	Limeshell	34	3845.66
29	Limestone	1534	106816.57
30	Magnesite	32	2258.25
31	Mica	266	7848.00

Contd...

Table – 9 (concl.)

S.No.	Mineral	No. of leases executed	Area in hectares
32	Moulding sand	45	962.83
33	Ochre	114	3384.79
34	Opal	1	200.00
35	Perlite	1	144.65
36	Phosphorite	15	3333.00
37	Pyrite	1	647.50
38	Pyrophyllite	82	2723.30
39	Pyroxenite	8	78.70
40	Quartz	986	12553.19
41	Quartzite	59	779.80
42	Rock salt	3	53.86
43	Sand (others)	48	4924.59
44	Shale	30	402.95
45	Silica sand	467	17132.64
46	Sillimanite	5	9810.37
47	Slate	14	598.10
48	Steatite	413	19669.11
49	Tin	7	128.57
50	Vermiculite	11	212.55
51	Wollastonite	4	202.49
Total		6513	300,363.77

3.4 FREQUENCY DISTRIBUTION OF MINING LEASES

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

- Category –I :** Includes minerals for which number of mining leases executed are between 1,001-2000;
- 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 401 and 500;
- Category –IV :** Includes minerals for which number of mining leases executed are between 301 and 400;
- Category –V :** Includes minerals for which number of mining leases executed are between 201 and 300;
- Category –VI :** Includes minerals for which number of mining leases executed are between 101 and 200;
- Category –VII:** Includes minerals for which number of mining leases executed are between 51 and 100 and
- Category –VIII:** 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 Tables 10.

TABLE 10 : CATEGORY - WISE NUMBER OF MINERALS, THEIR MINING LEASES AND AREA OF LEASES

Category	No. of mineral	No. of mining leases		Lease area	
		No. of leases	Percentage	In hect.	Percentage
I	1	1,534	20	1,06,816.57	23
II	1	986	13	12,553.19	3
III	5	2,227	29	151,122.40	33
IV	-	-	-	-	-
V	5	1,274	17	78,605.83	17
VI	5	657	9	11,781.60	2
VII	5	348	5	25,536.35	6
VIII	38	584	7	73,298.43	16
Total	60	7,610	100	4,59,714.37	100

Frequency distribution of Mining Leases by mineral are furnished in Table 11.

TABLE-11 : FREQUENCY DISTRIBUTION OF MINING LEASES

Category	Frequency of Lease Executed	Mineral	No. of Mining Lease Executed	Lease Area in Hectares
I	>1000	Limestone	1,534	106,816.57
		Total	1,534	106,816.57
II	Between 501 to 1,000	Quartz	986	12553.19
		Total	986	12553.19
III	Between 401 to 500	China clay	414	16506.32
		Dolomite	448	19494.93
		Iron ore	485	78319.40
		Silica sand	467	17132.64
		Steatite	413	19669.11
		Total	2,227	151122.40
IV	Between 301 to 400	-	-	-
V	Between 201 to 300	Bauxite	286	26,069.14
		Felspar	258	9225.90
		Fire clay	242	16587.85
		Manganese ore	222	18874.94
		Mica	266	7848.00
		Total	1274	78,605.83
VI	Between 101 to 200	Barytes	128	2510.40
		Chalk	163	663.83
		Graphite	120	3821.20
		Laterite	132	1401.38
		Ochre	114	3384.79
		Total	657	11,781.60
VII	Between 51 to 100	Calcite	66	1642.34
		Garnet	87	1911.24
		Gypsum	54	18479.67
		Pyrophyllite	82	2723.30
		Quartzite	59	779.80
		Total	348	25,536.35
VIII	Between 50 to 1	Agate	2	45.58
		Amethyst	5	40.64
		Apatite	1	13.29
		Asbestos	37	1,764.60
		Ballclay	42	1,986.19
		Calcareous sand	14	151.54
		Chromite	30	9,163.47
		Clay (others)	46	1,005.41
		Copper ore	15	10,276.40
		Corundum	15	221.81
		Diamond	2	576.51
		Diaspore	11	80.11
		Dunite	1	4.45
		Epidote	1	5.00

Contd...

Table - 11 (concl.)

Category	Frequency of Lease Executed	Mineral	No. of Mining Lease Executed	Lease Area in Hectares
VIII (Contd.) Between 50 to 1		Felsite	5	130.79
		Fluorite	17	1732.99
		Gold	10	6702.44
		Iolite	8	76.97
		Jasper	5	211.70
		Kyanite	32	3274.62
		Lead and zinc	10	7603.70
		Lime kankar	16	426.15
		Limeshell	34	3845.66
		Magnesite	32	2258.25
		Moulding sand	45	962.83
		Opal	1	200.00
		Perlite	1	144.65
		Phosphorite	15	3333.00
		Pyrites	1	647.50
		Pyroxenite	8	78.70
		Rock salt	3	53.86
		Sand (others)	48	4924.59
		Shale	30	402.95
		Sillimanite	5	9810.37
	Slate	14	598.10	
	Tin	7	128.57	
	Vermiculite	11	212.55	
	Wollastonite	4	202.49	
	Total		584	73,298.43

3.5 MUSEUM DISTRICTS OF MINERALS

The concentration of both number and wide variety of minerals is confined to as many as 68 districts covering 12 States which have more than 4 varieties of minerals. The districts and occurrences of wide variety have been listed in Table-3. Cuddapah, Anantpur, Kurnool districts of Andhra Pradesh; Belgum district of Karnataka; Jaipur, Bhilwara, Udaipur districts of Rajasthan are considered as museum districts of minerals. These seven districts are endowed with as many as 17, 14, 14, 13, 13, 12, 12 varieties of minerals respectively.

3.6 SECTOR-WISE DISTRIBUTION OF MINING LEASES

Mining leases are in force both in the private and public sectors including Central and State Govt. Undertakings. Out of the total 7,610 mining leases in the country, 473 (6%) leases are executed in the public sector extending over an area of 1,57,191.57 hectares (34%) of total mining lease area executed and the remaining 7137 (94%) mining leases with an area of 3,02,522.80 hectares (66%) are 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, dolomite, pyrite, apatite, barytes, fluorite, asbestos, kyanite, magnesite, etc. are being exploited by both public and private sectors.

(i) Central Government Public Sector Undertakings :

There are 194 mining leases executed in 18 States for different minerals, covering an area of 81,822.15 hectares. The States rich in minerals where maximum number of mining leases executed for Central Govt. Public Sector Undertakings are Maharashtra 32 (16.49%), followed by Andhra Pradesh 28 (14.43%), Madhya Pradesh 25 (12.88%), Rajasthan 22 (11.34%), Jharkhand 20 (10.30%), Chhattisgarh 19 (9.79%), Tamil Nadu 12 (6.18%) and Orissa 11 (5.67%). These eight States together accounts for over 87% of total leases executed and remaining 10 States accounts for 13%.

The maximum mining lease area covered by different States are Jharkhand (18.88%) followed by Chhattisgarh (18.42%), Orissa (16.51%), Karnataka (14.06%), Rajasthan (13.69%), Andhra Pradesh (7.52%), and Madhya Pradesh (6.46%). These seven States accounts for 96% of total lease area executed and remaining States accounts for 4%.

(ii) State Government Public Sector Undertakings :

There are 279 number of mining leases executed in 18 States for different minerals, covering an area of 75,369.42 hectares. The States rich in minerals where maximum number of mining leases executed are Karnataka & Rajasthan 52 (18.63%) each followed by Tamil Nadu 47 (16.84%), Orissa 44 (15.77%), Maharashtra 16 (5.73%), Andhra Pradesh 13 (4.65%), and Gujarat 11 (3.94%). These seven States together accounts for over 84% of total leases executed and remaining 11 States accounts for remaining 16%.

The maximum mining lease area covered by different States are Rajasthan (37.66%), followed by Orissa (31.85%), Karnataka (10.53%), Gujarat (4.79%), Uttar Pradesh (4.43%), and Tamil Nadu (3.43%). These six States accounts for 93% of total lease area executed and remaining States accounts for remaining 7%.

State-wise and Sector-wise distribution of mining leases is given in Tables- 12 to 14.

TABLE-12 : SECTOR WISE DISTRIBUTION OF MINING LEASES (AS ON 31/03/2006)
(PUBLIC SECTOR AND PRIVATE SECTOR)

Sl No.	State	Total		Public Sector		Private Sector	
		No of Leases	Lease Area (Hects.)	No of Leases	Lease Area (Hects.)	No of Leases	Lease Area (Hects.)
1	Andhra Pradesh	1541	52802.91	41	7298.10	1500	45504.81
2	Assam	11	981.33	2	338.00	9	643.33
3	Bihar	10	2030.16	1	647.50	9	1382.66
4	Chhattisgarh	291	31686.04	28	15305.50	263	16380.54
5	Goa	250	18165.99	-	-	250	18165.99
6	Gujarat	1060	23296.04	11	3615.52	1049	19680.52
7	Haryana	107	11151.04	2	325.52	105	10825.52
8	Himachal Pradesh	60	1999.55	5	547.13	55	1452.42
9	Jammu & Kashmir	19	730.35	3	240.80	16	489.55
10	Jharkhand	323	34781.76	29	15993.47	294	18788.29
11	Karnataka	464	37155.01	59	19444.71	405	17710.30
12	Kerala	118	2233.99	5	577.26	113	1656.73
13	Madhya Pradesh	755	19338.24	31	5408.96	724	13929.28
14	Maharashtra	252	17046.80	48	2224.39	204	14822.41
15	Manipur	2	610.17	-	-	2	610.17
16	Meghalaya	14	1660.16	4	1000.07	10	660.09
17	Orissa	385	66973.59	55	37521.34	330	29452.25
18	Rajasthan	1256	106374.52	74	37589.24	1182	68785.28
19	Sikkim	4	102.06	3	100.73	1	1.33
20	Tamil Nadu	481	6663.92	59	3605.87	422	3058.05
21	Uttar Pradesh	88	9290.11	8	6634.33	80	2655.78
22	Uttaranchal	67	3063.01	5	811.25	62	2251.76
23	West Bengal	52	11577.62	3	1224.63	49	10352.99
TOTAL		7610	459714.37	476	160454.32	7134	299260.05

TABLE-13 : DISTRIBUTION OF MINING LEASES IN PUBLIC SECTOR
(As on 31/03/2006)
(Central Govts.and State Govts.)

S. No	State	Public Sector (Total)		Central Govt.		State Govt.	
		No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)
1	Andhra Pradesh	41	7,298.10	28	6157.84	13	1,140.26
2	Assam	2	338.00	1	171.00	1	167.00
3	Bihar	1	647.50	1	647.50	0	0
4	Chhattisgarh	28	15,305.50	19	15074.94	9	230.56
5	Gujarat	11	3,615.52	0	0	11	3,615.22
6	Haryana	2	325.52	2	325.52	0	0
7	Himachal Pradesh	5	547.13	5	547.13	0	0
8	Jammu & Kashmir	3	240.80	1	140.80	2	100.00
9	Jharkhand	29	15,993.47	20	15449.97	9	543.50
10	Karnataka	59	19,444.71	7	11504.66	52	7,940.04
11	Kerala	5	577.26	2	169.71	3	407.55
12	Madhya Pradesh	31	5,408.96	25	5288.56	6	120.40
13	Maharashtra	48	2,224.39	32	1546.56	16	677.83
14	Meghalaya	4	1,000.07	0	0	4	1,000.07
15	Orissa	55	37,521.34	11	13511.94	44	24,009.40
16	Rajasthan	74	37,589.24	22	11203.21	52	28,386.03
17	Sikkim	3	100.73	0	0.00	3	100.73
18	Tamil Nadu	59	3,605.87	12	1020.14	47	2,585.73
19	Uttar Pradesh	8	6,634.33	1	33.58	7	6,600.75
20	Uttaranchal	5	811.25	4	714.25	1	97.00
21	West Bengal	3	1,224.63	1	348.50	2	876.13
Total		476	160,454.32	194	81822.15	282	78,632.17

TABLE-14 : SECTOR-WISE SUMMARY OF LEASE DISTRIBUTION (As on 31.03.2006)
(By States/Districts/Minerals)

State	District	Mineral	Central Govt.		State Govt.		Total	
			No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)
Andhra Pradesh	Adilabad	Limestone	1	839.41	1	809.38	2	1,648.79
	Anantapur	Gold	1	168.42	0	0	1	168.42
	Chittoor	Gold	2	240.44	0	0	2	240.44
	Cuddapah	Barytes	0	0	4	161.73	4	161.73
	Godavari (West)	China clay	0	0	1	14.27	1	14.27
	Karimnagar	Sand (others)	4	1,585.95	0	0	4	1,585.95
	Khammam	Dolomite	1	384.61	0	0	1	384.61
		Sand (others)	4	86.90	0	0	4	86.90
	Krishna	Limestone	1	1,295.00	0	0	1	1,295.00
	Mahbubnagar	Felspar	1	17.82	0	0	1	17.82
	Rangareddi	Laterite	1	41.41	0	0	1	41.41
		Limestone	2	868.74	0	0	2	868.74
		Shale	1	133.07	0	0	1	133.07
	Srikakulam	Silica sand	1	7.50	0	0	1	7.50
	Visakhapatnam	Apatite	0	0	1	13.29	1	13.29
		Mica	0	0	2	48.68	2	48.68
		Phosphorite	0	0	1	2.83	1	2.83
		Quartz	1	3.24	0	0	1	3.24
	Vizianagaram	Manganese ore	5	389.50	3	90.08	8	479.58
		Moulding sand	1	31.16	0	0	1	31.16
		Sand (others)	1	64.67	0	0	1	64.67
	Total		28	6,157.84	13	1,140.26	41	7,227.08
Assam	Karbi Anglong	Limestone	1	171.00	0	0	1	171.00
	North Cachar Hills	Limestone	0	0	1	167.00	1	167.00
	Total		1	171.00	1	167.00	2	338.00
Bihar	Rohtas	Pyrite	1	647.50	0	0	1	647.50
	Total		1	647.50	0	0	1	647.50
Chhattisgarh	Bilaspur	Dolomite	2	3869.00	0	0	2	3,869.00
	Dantewara	Iron ore	6	5769.72	0	0	6	5,769.72
		Tin	0	0	5	75.22	5	75.22
	Durg	Dolomite	0	0	1	22.16	1	22.16
		Iron ore	4	2,562.69	0	0	4	2,562.69
		Limestone	3	547.48	0	0	3	547.48
	Janjgir-Champa	Dolomite	1	122.70	0	0	1	122.70
	Kanker	Iron ore	1	938.06	0	0	1	938.06
	Kawardha	Bauxite	1	626.12	0	0	1	626.12
	Surguja	Bauxite	1	639.17	3	133.18	4	722.35
	Total		19	15074.94	9	230.56	28	15,305.50

Contd...

Table-14 (contd.)

State	District	Mineral	Central Govt.		State Govt.		Total	
			No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)
Gujarat	Banaskantha	Copper ore	0	0	1	1,402.83	1	1,402.83
	Jamnagar	Bauxite	0	0	2	189.79	2	189.79
	Kutch	Bauxite	0	0	6	486.95	6	486.95
	Surat	Limestone	0	0	1	1504.75	1	1,504.75
	Vadodara	Fluorite	0	0	1	31.20	1	31.20
	Total			0	0	11	3,615.52	11
Haryana	Bhiwani	Lime kankar	2	325.52	0	0	2	325.52
		Total	2	325.52	0	0	2	325.52
Himachal Pradesh	Bilaspur	Limestone	0	0	1	31.47	1	31.47
	Mandi	Rock salt	3	53.86	0	0	3	53.86
	Sirmur	Limestone	1	255.70	0	0	1	255.70
	Solan	Limestone	1	238.2	0	0	1	238.20
	Total		5	547.76	0	0	5	547.76
Jammu & Kashmir	Pulwama	Limestone	0	0	1	100.00	1	100.00
	Udhampur	Magnesite	1	140.80	1	NA	2	140.80
	Total		1	140.80	2	100	3	240.80
Jharkhand	Garwah	Limestone	3	193.07	0	0	3	193.07
	Hazaribagh	Limestone	0	0	2	129.60	2	129.60
	Palamau	Graphite	0	0	1	15.18	1	15.18
	Ranchi	Limestone	0	0	2	239.63	2	239.63
	Singhbhum (East)	Copper ore	4	6,574.89	0	0	4	6,574.89
		Kyanite	0	0	1	2.43	1	2.43
	Singhbhum (West)	Iron ore	12	6,933.76	0	0	12	6,933.76
		Kyanite	1	1,748.25	3	156.66	4	1,904.91
		Total	20	15,449.97	9	543.50	29	15,993.47
	Karnataka	Bagalkot	Dolomite	0	0	2	254.11	2
Limestone			0	0	9	2,311.91	9	2,311.91
Bangalore		Felsper	0	0	3	130.30	3	130.30
Belgaum		Limestone	0	0	2	791.37	2	791.37
Bellary		Iron ore	2	1,255.50	8	969.53	10	2,225.03
Chickmagalur		Iron ore	1	4,605.00	0	0	1	4,605.00
Chitradurga		Limestone	0	0	1	111.30	1	111.30
Gulbarga		Gold	0	0	1	55.75	1	55.75
		Limestone	3	428.95	0	0	3	428.95
Hassan		China clay	0	0	2	311.60	2	311.60
		Chromite	0	0	7	1602.46	7	1602.46
		Quartz	0	0	2	18.20	2	18.20
		Steatite	0	0	1	80.94	1	80.94
		Vermiculite	0	0	1	26.30	1	26.30

Contd...

Table-14 (contd.)

State	District	Mineral	Central Govt.		State Govt.		Total		
			No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	
Karnataka	Kolar	Gold	1	5,215.21	0	0	1	5,215.21	
	Mandya	Quartz	0	0	1	15.17	1	15.17	
	Mysore	Magnesite	0	0	3	141.91	3	141.91	
	Raichur	Gold	0	0	3	965.08	3	965.08	
	Shimoga	China clay	0	0	3	33.99	3	33.99	
		Manganese ore	0	0	1	54.00	1	54.00	
	Tumkur	Gold	0	0	1	38.04	1	38.04	
	Udupi	Bauxite	0	0	1	28.80	1	28.80	
		Total	7	11,504.66	52	7,940.04	59	19,444.71	
Kerala	Kollam	China clay	0	0	1	4.22	1	4.22	
		Sillimanite	2	169.71	1	157.64	3	327.35	
	Palakkad	Limestone	0	0	1	245.69	1	245.69	
		Total	2	169.71	3	407.55	5	577.26	
Madhya Pradesh	Balaghat	Copper ore	2	479.90	0	0	2	479.90	
		Manganese ore	11	1,172.27	0	0	11	1,172.27	
		Sand (others)	1	5.50	0	0	1	5.50	
	Chhattarpur	Phosphorite	0	0	1	48.76	1	48.76	
		Jhabua	Phosphorite	0	0	2	11.32	2	11.32
	Katni	Fireclay	2	38.27	0	0	2	38.27	
		Limestone	3	1,109.09	0	0	3	1,109.09	
	Mandya	Dolomite	0	0	1	2.52	1	2.52	
	Nimach	Limestone	2	500.45	0	0	2	500.45	
	Panna	Diamond	2	576.51	0	0	2	576.51	
	Sagar	Phosphorite	0	0	1	52.80	1	52.80	
	Satna	Limestone	2	1,406.57	0	0	2	1,406.57	
	Tikamgarh	Pyrophyllite	0	0	1	5.00	1	5.00	
		Total	25	5,288.56	6	120.40	31	5,408.96	
	Maharashtra	Bhandara	Kyanite	0	0	9	251.48	9	251.48
			Manganese ore	6	382.78	0	0	6	382.78
Sand (others)			1	40.11	0	0	1	40.11	
Chandrapur		Fluorite	0	0	1	32.70	1	32.70	
		Sand (others)	5	461.08	0	0	5	461.08	
Gondia		Iron ore	0	0	1	9.32	1	9.32	
		Nagpur	Dolomite	0	0	1	42.52	1	42.52
Sindhudurg		Manganese ore	15	426.71	0	0	15	426.71	
		Sand (others)	4	191.88	0	0	4	191.88	
		Felspar	0	0	1	29.27	1	29.27	
Yeotmal		Silica sand	0	0	1	105.07	1	105.07	
		Limestone	0	0	2	207.47	2	207.47	
		Sand (others)	1	44.00	0	0	1	44.00	
		Total	32	1,546.56	16	677.83	48	2,224.39	
Meghalaya	Garo Hills West	Fire clay	0	0	1	221.44	1	221.44	
		Limestone	0	0	1	384.00	1	384.00	
	Khasi Hills East	Limestone	0	0	2	394.63	2	394.63	
		Total	0	0.00	4	1,000.07	4	1,000.07	

Contd...

Table - 14 (contd.)

State	District	Mineral	Central Govt.		State Govt.		Total	
			No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)
Orissa	Bargarh	Limestone	0	0	2	806.53	2	806.53
	Dhenkanal	Chromite	0	0	2	847.48	2	847.48
	Ganjam	Sillimanite	1	2,483.02	0	0	1	2,483.02
	Jajpur	Chromite	0	0	5	2,865.85	5	2,865.85
		Iron ore	0	0	1	190.22	1	190.22
	Kalahandi	Amethyst	0	0	1	27.65	1	27.65
		Corundum	0	0	1	57.46	1	57.46
	Keonjhar	Chromite	0	0	3	1,934.64	3	1,934.64
		Iron ore	2	2,907.81	11	6,874.87	13	9,782.68
		Manganese ore	0	0	7	4,511.54	7	4,511.54
	Koraput	Bauxite	2	4,647.18	0	0	2	4,647.18
		Limestone	0	0	2	1,586.18	2	1,586.18
	Nawapara	Corundum	0	0	1	33.95	1	33.95
		Limestone	0	0	3	342.93	3	342.93
	Rayagada	Bauxite	0	0	1	1,388.74	1	1,388.74
		Manganese ore	0	0	1	501.67	1	501.67
	Sundergarh	Dolomite	2	384.03	0	0	2	384.03
		Iron ore	3	2,590.30	3	2,039.69	6	4,629.99
		Lead & zinc ores	1	499.60	0	0	1	499.60
		Total	11	13,511.94	44	24,009.40	55	37,521.34
Rajasthan	Ajmer	Lead & zinc ores	1	480.45	0	0	1	480.45
	Alwar	Copper ore	1	914.07	0	0	1	914.07
	Banswara	Graphite	0	0	2	383.55	2	383.55
	Barmer	Gypsum	2	1,100.66	2	389.85	4	1,490.51
	Bhilwara	Lead & zinc ores	1	1,200.00	0	0	1	1,200.00
	Bikaner	Gypsum	3	367.02	10	4,079.59	13	4,446.61
	Dungarpur	Fluorite	0	0	4	292.30	4	292.30
	Ganganagar	Gypsum	4	346.50	4	1,129.39	8	1,475.89
	Hanumangarh	Gypsum	0	0	5	7084.65	5	7,084.65
	Jaisalmer	Gypsum	1	501.68	2	366.21	3	867.89
		Limestone	0	0	2	1,998.00	2	1,998.00
	Jalore	Fluorite	0	0	4	1,075.00	4	1,075.00
		Gypsum	0	0	1	178.50	1	178.50
	Jhunjhunu	Copper ore	4	803.88	0	0	4	803.88
	Nagaur	Gypsum	0	0	5	2,401.07	5	2,401.07
		Limestone	0	0	3	4,915.44	3	4,915.44
	Rajsamand	Lead & zinc ores	3	1,725.82	0	0	3	1,725.82
	Sirohi	Lead & zinc ores	0	0	1	63.00	1	63.00
	Udaipur	Barytes	0	0	1	31.00	1	31.00
		Calcite	0	0	1	49.50	1	49.50
		Lead & zinc ores	1	3,620.00	0	0	1	3,620.00
		Phosphorite	1	143.13	5	1,948.98	6	2,092.11
	Total	22	11,203.21	52	28,386.03	74	37,589.24	

Contd...

Table-14 (concl'd.).

State	District	Mineral	Central Govt.		State Govt.		Total	
			No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)	No. of Leases	Lease area (Hect.)
Sikkim	Sikkim East	Copper ore	0	0	3	100.73	3	100.73
		Total	0	0	3	100.73	3	100.73
Tamil Nadu	Ariyalur	Limestone	0	0	4	374.06	4	374.06
	Chengai-Anna	Quartz	0	0	1	6.58	1	6.58
	Cuddalore	Fireclay	0	0	2	42.05	2	42.05
	Dindigul	Quartz	0	0	2	1.47	2	1.47
	Erode	Quartz	0	0	6	24.96	6	24.96
	Kanchipuram	Limeshell	0	0	1	190.00	1	190.00
		Silica sand	0	0	1	4.63	1	4.63
	Kanyakumari	Garnet	5	258.31	0	0	5	258.31
	Karur	Quartz	0	0	7	19.30	7	19.30
	Namakkal	Quartz	0	0	3	7.92	3	7.92
	Perambalur	Limestone	0	0	1	110.68	1	110.68
	Periyar	Quartz	0	0	2	3.59	2	3.59
	Ramnathapuram	Limeshell	0	0	1	539.05	1	539.05
	Salem	Magnesite	7	761.83	3	431.24	10	1,193.07
		Quartz	0	0	2	0.97	2	0.97
	Sivaganga	Graphite	0	0	2	242.46	2	242.46
	Tiruchirapalli	China clay	0	0	1	12.30	1	12.30
		Dolomite	0	0	1	62.07	1	62.07
		Limestone	0	0	1	9.95	1	9.95
	Tirunelveli	Garnet	0	0	1	4.36	1	4.36
		Limestone	0	0	2	27.80	2	27.80
	Vellore	Vermiculite	0	0	1	23.71	1	23.71
	Virudhunagar	Limestone	0	0	2	446.58	2	446.58
Total		12	1,020.14	47	2,585.73	59	3,605.87	
Uttar Pradesh	Allahabad	Silica sand	1	33.58	0	0	1	33.58
	Lalitpur	Phosphorite	0	0	1	874.00	1	874.00
		Pyrophyllite	0	0	1	447.00	1	447.00
	Sonbhadra	Dolomite	0	0	1	1,656.32	1	1,656.32
		Limestone	0	0	4	3,623.43	4	3,623.43
	Total	1	33.58	7	6,600.75	8	6,634.33	
Uttaranchal	Bhageshwar	Magnesite	1	53.20	0	0	1	53.20
	Dehradun	Limestone	0	0	1	97.00	1	97.00
		Phosphorite	2	222.05	0	0	2	222.05
	Pithoragarh	Magnesite	1	439.00	0	0	1	439.00
	Total	4	714.25	1	97.00	5	811.25	
West Bengal	Burdwan	Fireclay	1	348.50	0	0	1	348.50
	Jalpaiguri	Dolomite	0	0	1	847.00	1	847.00
	Purulia	Phosphorite	0	0	1	29.13	1	29.13
	Total	1	348.50	2	876.13	3	1,224.63	

3.7 YEAR-WISE STATUS OF EXPIRY OF MINING LEASES

Every mining lease is granted for a stipulated period and once this period expires the lessees shall have to apply for renewal to the respective State Government as per the provisions under MCR , 1960. The period of leases varies from minimum 20 years to a maximum of 30 years. Further renewal (s) are possible for period or periods not exceeding 20 years in each case. Out of the total number of leases in the Directory (7,610), more than 893 leases will expire between 2007 to 2013 . The yearwise break up of expiry of leases and State-wise and year-wise break up of expiry of leases are given in Tables-15 and 16.

TABLE - 15 : YEAR -WISE STATUS OF EXPIRY OF MINING LEASES
(As on 31/03/2006)

Year of Expiry	No. of Leases	Percentage (%)	Lease area (Hect.)	Percentage (%)
2007	198	2.60	10479.77	2.28
2008	120	1.57	8406.82	1.82
2009	75	0.98	5007.34	1.08
2010	114	1.49	11888.33	2.58
2011	107	1.40	7844.60	1.70
2012	150	1.97	17094.44	3.71
2013	129	1.69	13392.07	2.91

TABLE 16:- STATEWISE AND YEARWISE STATUS OF EXPIRY OF MINING LEASES

S. No.	State	2007		2008		2009		2010		2011		2012		2013	
		No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)
1	Andhra Pradesh	15	964.06	7	244.73	13	185.93	13	550.19	11	125.51	13	2204.60	5	224.95
2	Assam	1	35.08	-	-	-	-	1	40.00	-	-	2	584.50	-	-
3	Bihar	-	-	-	-	-	-	-	-	-	-	2	65.54	-	-
4	Chhattisgarh	9	31.76	-	-	2	22.43	2	14.21	-	-	6	659.68	12	1804.37
5	Goa	6	406.82	1	9.49	-	-	-	-	-	-	-	-	-	-
6	Gujarat	43	770.79	22	317.80	10	111.62	7	26.67	18	59.57	28	324.62	32	189.26
7	Haryana	-	-	-	-	-	-	1	50.50	-	-	-	-	-	-
8	Himachal Pradesh	5	51.08	-	-	-	-	1	27.83	1	238.20	8	540.89	-	-
9	Jammu & Kashmir	-	-	-	-	1	140.80	2	43.56	-	-	-	-	1	0.77
10	Jharkhand	3	144.90	10	1139.12	7	1604.05	18	444.64	3	2542.24	1	1160.10	4	1213.47
11	Karnataka	12	705.88	5	725.31	3	60.83	7	180.20	7	314.52	14	1959.28	7	5348.82
12	Kerala	7	11.42	5	7.06	4	9.64	3	6.20	3	4.38	1	0.19	2	1.07
13	Madhya Pradesh	26	239.85	4	20.16	3	94.57	14	98.00	13	123.30	26	1369.07	18	82.30
14	Maharashtra	12	261.01	3	112.27	8	405.75	7	124.15	5	197.17	4	132.51	5	68.14
15	Manipur	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Meghalaya	1	221.44	1	11.08	-	-	1	384.00	-	-	-	-	-	-
17	Orissa	20	738.10	23	1813.17	11	1706.53	19	2981.01	13	537.35	11	5553.14	3	412.65
18	Rajasthan	20	3414.85	23	3414.29	10	566.31	15	6892.42	28	3634.42	28	2268.13	38	4040.67
19	Sikkim	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	Tamil Nadu	13	682.73	14	541.20	1	0.43	1	7.06	3	10.75	3	224.24	1	4.63
21	Uttar Pradesh	1	1656.32	-	-	-	-	-	-	1	49.06	2	47.80	-	-
22	Uttaranchal	2	89.43	2	51.14	2	98.45	1	1.50	1	8.13	1	0.15	-	-
23	West Bengal	2	54.33	-	-	-	-	1	16.19	-	-	-	-	1	0.97
Total		198	10479.77	120	8406.82	75	5007.34	114	11888.33	107	7844.60	150	17094.44	129	13392.07

4. 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 Government and Union Territories are empowered to grant/renew/voke prospecting licences (PL) under provision of Mineral Concession Rules, 1960.

The area restrictions for prospecting licences have been substantially liberalized by making such restrictions applicable State wise instead of the country as a whole.

4.1 STATEWISE DISTRIBUTION OF PROSPECTING LICENCES

As per information received from the State Governments/Union Territories, 83 prospecting licences were executed covering an area of 12,072.42 hectares during 2005-06 as compared with 58 prospecting licences covering 7,413 hectares area during 2004-05. The Statewise distribution of prospecting licences executed during 2003-04 to 2005-06 is given in Table-17.

**TABLE - 17 : PROSPECTING LICENCES EXECUTED, 2003-04 and 2005-06
(By States)**

State	2003-04		2004-05		2005-06	
	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)
Andhra Pradesh	10	1628	-	-	4	1169
Assam	-	-	-	-	1	2500
Chhattisgarh	6	574	-	-	15	580
Gujarat	-	-	-	-	1	474
Jammu & Kashmir	-	-	-	-	10	535
Haryana	11	806	15	2313	-	-
Himachal Pradesh	1	21	-	-	-	-
Karnataka	-	-	1	38	-	-
Kerala	1	65	-	-	-	-
Madhya Pradesh	11	195	-	-	-	-
Maharashtra	26	842	8	156	7	725
Meghalaya	1	473	-	-	5	125
Orissa	2	78	-	-	-	-
Rajasthan	60	7769	30	4108	34	4239
Sikkim	-	-	-	-	1	1700
Tamil Nadu	-	-	1	2	3	4
Uttaranchal	4	799	3	796	2	21
Total	133	13250	58	7413	83	12072

Area figures rounded off.

The mineral rich States where prospecting licences so far executed during 2005-06 were Rajasthan (34) followed by Chhattisgarh (15), Jammu & Kashmir (10) and Maharashtra (7). Rajasthan alone accounted for 41% licences while remaining 10 States shared 59% of total prospecting licences executed. Areawise, Rajasthan covered 4239 hectares area, followed by Assam 2500 hectares, Sikkim 1700 hectares, Andhra Pradesh 1169 hectares, Maharashtra 725 hectares, Chhattisgarh 580 hectares and Jammu & Kashmir 535 hectares. These seven States covered 11448 hectares area (95%) and remaining four States covered (5%) area of total area executed for prospecting licences.

4.2 MINERAL-WISE DISTRIBUTION OF PROSPECTING LICENCES

Mineralwise, in 2005-06, limestone accounted maximum 20 prospecting licences executed followed by Dolomite (4) PL's, Calcite, China clay, Moonstone, Ochre, Soapstone (3) PL's each, Felspar, Gypsum, Iron ore, Mica, Quartz, Sillimanite (2) PL's each, Barytes, Fireclay, Moulding sand, Phosphate, Silica sand (1) PL's each. Other associated Minerals accounted for 27 prospecting licences (33%) executed during 2005-06. The mineral wise distribution of prospecting licences executed during 2003-04 to 2005-06 is given in Table -18.

**TABLE -18 : PROSPECTING LICENCES EXECUTED , 2003-04 AND 2005-06
(By Minerals)**

Mineral	2003-04		2004-05		2005-06	
	No.	Area (Hect.)	No.	Area (Hect.)	No.	Area (Hect.)
Amethyst quartz	1	1	-	-	-	-
Barytes	1	4	-	-	1	235
Bauxite	1	151	-	-	-	-
Calcite	7	828	-	-	3	146
China clay	-	-	1	150	3	190
Corundum	1	6	-	-	-	-
Diamond	2	225	-	-	-	-
Dolomite	4	32	1	10	4	1712
Felspar	1	2	2	187	2	192
Fireclay	-	-	-	-	1	2
Fluorite	1	265	-	-	-	-
Gold & associated minerals	1	793	-	-	-	-
Gypsum	-	-	1	225	2	19
Iron ore	2	526	-	-	2	141
Jasper	1	20	-	-	-	-
Laterite	1	5	-	-	-	-
Limestone	12	1938	1	3	20	2843
Limeshell	1	65	-	-	-	-
Manganese ore	2	22	1	38	-	-
Moulding sand	1	11	-	-	1	42
Mica	-	-	-	-	2	230
Moon stone	-	-	-	-	3	5
Ochre	3	13	-	-	3	72
Phosphate	-	-	-	-	1	2500
Pyrophyllite	1	138	-	-	-	-
Quartz	6	33	1	100	2	7
Semi-precious stones	1	4	-	-	-	-
Sillimanite	-	-	-	-	2	9
Silica sand	1	50	1	75	1	50
Soapstone/steatite	5	329	7	372	3	50
Tin ore	1	24	-	-	-	-
White clay	1	7	-	-	-	-
Associated minerals	74	7,758	43	6,253	27	3627
Total	133	13,250	58	7,413	83	12072

Area figures rounded off.

4.3 AREA-WISE DISTRIBUTION OF PROSPECTING LICENCES

Areawise analysis indicated that limestone covering an area of 2843 hectares followed by phosphate (2500 hect), dolomite (1712 hect.), Mica (230 hect.), Barytes (235 hect), Felspar (192 hect.), China clay (190 hect), Bauxite (146 hect), Iron ore (141 hect) and associated minerals covered 3627 hectare. These ten minerals covered 11816 hectares or (98%) of total prospecting licences area covered. Remaining nine minerals cover the rest of area executed for prospecting licences.

4.4 SECTOR-WISE DISTRIBUTION OF PROSPECTING LICENCES

The sectorwise distribution of prospecting licences and area covered during 2003-04 to 2005-06 is given in Table-19.

**TABLE - 19 : SECTOR-WISE DISRIBUTION OF PROSPECTING LICENCES,
2003-04 to 2005-06**

S. No.	2003-04		2004-05		2005-06	
	No.	Area(Hect.)	No.	Area(Hect.)	No.	Area(Hect.)
Public	5	417	-	-	-	-
Private	128	12833	58	741383		12072
Public %	3.75	3.14	-	-	-	-
Private %	96.25	96.86	100	100	100	100
Total	133	13250	58	7413	83	12072

5. 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.

During 2005-06, 20 reconnaissance permits approved by Central Government / Executed by State Government covering an area of 26,368 sq km distributed in 22 districts of Chhattisgarh, Karnataka, Kerala, Madhya Pradesh, Orissa, and Rajasthan for precious and high-value minerals like diamond, gold, silver and associated minerals; non-ferrous minerals like copper, lead & zinc ores; strategic minerals/ores like nickel, bismuth, cadmium.

During 2005-06 approvals/ execution of reconnaissance permits have been accorded to eight companies; viz., M/s ACC-RIO TINTO Exploration Ltd., AMIL Mining India (Pvt.) Ltd., M/s BHP Khanij Anveshan Pvt. Ltd., M/s Crown Mining Pvt. Ltd., M/s De Beers India Prospecting Pvt. Ltd., M/s Deccan Gold Mine Pvt. Ltd., M/s Metal Mining India Ltd., and Metmin Finance & Holding Pvt. Ltd.

5.1 MINERAL –WISE DISTRIBUTION OF RECONNAISSANCE PERMITS

During 2005-06, fourteen RPs approved / executed for diamond and associated minerals covering an area of 19,502 sq km (74%) compared with eleven RPs covering an area of 21,295 sq km (51%) during 2004-05. Two RPs approved / executed for copper, lead, zinc, gold, silver, bismuth, cadmium, nickel and associated minerals covering an area of 2800 sq km (11%) compared with nine RPs covering an area of 15,658 sq km (37%). None RPs approved / executed for diamond, precious stone & other associated minerals as against 4 RPs covering an area of 3,509 sq km (8%). Four approved / executed for gold and associated minerals covering an area of 4066 sq km (15%) compared with three RPs covering an area of 1,872 sq km (4%). The mineral wise RPs approved / granted /executed during 2003-04 to 2005-06 are given in Table 20.

**Table 20: Reconnaissance Permits Executed during 2003-04 to 2005-06
(By Minerals)**

Sl. No.	Mineral	2003-04		2004-05		2005-06	
		No.	Area (Sq.km.)	No.	Area (Sq.km.)	No.	Area (Sq.km.)
1	Copper, Lead, Zinc, Gold, Silver, Bismuth, Cadmium, Nickel and associated minerals	4	4164.00	9	15658.15	2	2800.00
2	Diamond and Associated Minerals	6	6196.00	11	21295.00	14	19502.30
3	Gold and Associated Minerals	-	-	3	1872.00	4	4065.58
4	Diamond, Precious Stone and other associated minerals	12	19668.00	4	3509.35	-	-
5	Ilmenite, garnet etc.	1	1428.00	-	-	-	-
	Total	23	31,456	27	42,834.50	20	26367.88

5.2 STATE -WISE DISTRIBUTION OF RECONNAISSANCE PERMITS

Orissa was leading in the number of RP's accounting for 9 RP's covering 1,11,64.80 sq.km. (43%) followed by Chhattisgarh 4 RP's covering 7083.00 sq.km. (27%), Rajasthan 3 RP's covering 3231.58 sq.km. (12%), Karnataka 2 RP's covering 3254.50 sq.km. (12%), Kerala 1 RP's covering 834.00 sq.km. (3%), Madhya Pradesh 1 RP's covering 800.00 sq.km. (3%). The Statewise distribution of approved / executed reconnaissance permits during 2005-06 is given in Table-21.

TABLE - 21 : STATEWISE RECONNAISSANCE PERMITS APPROVED/EXECUTED, 2005-06

State	No.	Area (sq km)	District
Chhattisgarh	4	7,083.00	Bastar, Dantewada, Durg,
Karnataka	2	3254.50	Chickmagalur, Chitradurga,
			Dhavan gere
Kerala	1	834.00	Palakkad
Madhya Pradesh	1	800.00	Balaghat
Orissa	9	1,11,64.80	Bargarh, Bolangir, Kalahandi,
			Koraput, Malakangiri,
			Navarangpur,
			Navapara, Sundergarh
Rajasthan	3	3232	Ajmer, Bhilwara, Chittorgarh,
			Dungarpur, Rajasmand and
			Udaipur
Total	20	26367.88	22 districts

5.3 AREA –WISE DISTRIBUTION OF RECONNAISSANCE PERMITS

M/s BHP Khanij Anveshan Pvt. Ltd. held maximum area of 7083.00 sq km under 4 RPs followed by M/s AMIL India Pvt. Ltd 6981.80 sq.km under 5 RPs, M/s. ACC RIO TINTO Exploration Ltd., 4183 sq. km under 4 RPs., M/s De Beers India (P) Ltd 3254.50 sq.km. under 2 RP's, M/s Crown Mining (P) Ltd., 2576.88 sq.km. under 2 RP's., M/s. Metal Mining India Ltd., 654.70 sq.km. under 1 RP, M/s. Deccan Gold Mines Ltd., 834 sq.km. under 1 RP., and M/s. Metmin Finance & Holding Pvt. Ltd. 800 sq. km under 1 RP. The company wise details about area approved / executed during 2005-06 is given in Table -22. The Reconnaissance Permits granted/executed during 2005-06 are furnished in Table 23.

TABLE - 22 : COMPANY-WISE DISTRIBUTION OF RECONNAISSANCE PERMITS DURING, 2005-06

Company	No.	Area (sq km)	District/State
ACC-RIO TINTO Exploration Ltd., RCD Campus, Lal Bhadur Shastri Marg, Thane - 400 064.	4	4183.00	Bargarh, Bolangir, Navapara, Sundargarh in Orissa
AMIL Mining India (Pvt.) Ltd., Navapura, D-19, Press Enclave, Saket, NEW DELHI - 110 017	5	6981.80	Bolangir Kalahandi, Malakangiri, Navarangpur in Orissa.
BHP Khanij Anveshan Pvt. Ltd. 3/F, World Trade Tower, Barakhamba Lane, New Delhi -110 001	4	7083.00	Bastar, Dantewada, Durg, Kanker in Chhattisgarh
Crown Mining Ltd. New Delhi	2	2576.88	Ajmer, Bhilwara, Chittorgarh, Rajasmand, Udaipur in Rajasthan.
De Beers India Prospecting Pvt. Ltd., Advanced Business Centre, 83, Maker Chambers VI, Nariman Point, Mumbai-400 021.	2	3254.50	Chickmagalur, Chitradurga, Davangere in Karnataka
Deccan Gold Mines Ltd. No. 49/A, Nariman Bhavan, 227, Nariman Point, Mumbai - 400 021	1	834.00	Palakkad in Kerala
Metal Mining India Ltd., Bangalore	1	654.70	Dungarpur, Udaipur in Rajasthan
Metmin Finance & Holding Pvt Ltd.	1	800.00	Balaghat in Madhya Pradesh
Total	20	26367.88	22 districts

TABLE - 23 : RECONNAISSANCE PERMITS - APPROVED BY THE MINISTRY OF MINES AND GRANTED/EXECUTED BY VARIOUS STATE GOVERNMENTS DURING 2005-06

Sl. No.	Name & Address of Permit Holder	State	Location	Mineral(s)	Area in sq.km.	Date of approval/ grant/ permission (Central Govt./State Govt.)	Date of Execution	Period in years
1	ACC-RIO TINTO Exploration Ltd., RCD-CRS Complex, Lal Bhadur Shastri Marg, Thane - 400 064	Orissa	District Bargarh, Bolangir	Diamond and Associated Minerals	265.00	(i) 28.08.2003 (ii) -	29.04.2005	03
2	ACC-RIO TINTO Exploration Ltd., RCD-CRS Complex, Lal Bhadur Shastri Marg, Thane - 400 604	Orissa	Bargarh, Navapara	Diamond and Associated Minerals	1360.00	(i) 28.08.2003 (ii) -	29.04.2005	03
3	ACC-RIO TINTO Exploration Ltd., RCD-CRS Complex, Lal Bhadur Shastri Marg, Thane - 400 604	Orissa	Bargarh, Bolangir Navapara	Diamond and Associated Minerals	798.00	(i) 30.07.2003 (ii) -	29.04.2005	03
4	ACC-RIO TINTO Exploration Ltd., RCD-CRS Complex, Lal Bhadur Shastri Marg, Thane - 400 604	Orissa	Sundergarh	Diamond and Associated Minerals	1760.00	(i) 30.05.2003 (ii) -	29.04.2005	03

Contd.....

(Table -23 Contd.....)

Sl. No.	Name & Address of Permit Holder	Location		Mineral(s)	Area in sq.km.	Date of approval/ grant/ permission (Central Govt./State Govt.)	Date of Execution	Period in years
		State	District					
5	AMIL Mining India (P) Ltd., D-19, Press Enclave, Saket, New Delhi - 110 017.	Orissa	Balangir and Navapara	Diamond and Associated Minerals	631.80	(i) 06.06.2005 (ii) -	-	03
6	AMIL Mining India (P) Ltd., D-19, Press Enclave, Saket, New Delhi - 110 017.	Orissa	Koraput and Navarangpur	Diamond and Associated Minerals	1930.00	(i) 06.06.2005 (ii) -	-	03
7	AMIL Mining India (P) Ltd., D-19, Press Enclave, Saket, New Delhi - 110 017.	Orissa	Koraput and Malkangiri	Diamond and Associated Minerals	1870.00	(i) 06.06.2005 (ii) -	-	03
8	AMIL Mining India (P) Ltd., D-19, Press Enclave, Saket, New Delhi - 110 017.	Orissa	Navarangpur	Diamond and Associated Minerals	550.00	(i) 06.06.2005 (ii) -	-	03
9	AMIL Mining India (P) Ltd., D-19, Press Enclave, Saket, New Delhi - 110 017.	Orissa	Navarangpur and Kalahandi	Base Metal, Precious stone & Associated Minerals	2000.00	(i) 25.05.2005 (ii) -	-	3

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(Table -23 Contd.....)

Sl. No.	Name & Address of Permit Holder	Location		Mineral(s)	Area in sq.km.	Date of approval/grant /permission (Central Govt./State Govt.)	Date of Execution	Period in years
		State	District					
10	BHP Khanij Anveshan Pvt. Ltd. 3/F, World Trade Tower, Barakhamba Lane, New Delhi - 110 001	Chhattisgarh	Bastar	Diamond, Gold and Associated Minerals	1700.00	(i) 30.06.2035 (ii) 24.03.2005	04.04.2005	3
11	BHP Khanij Anveshan Pvt. Ltd. 3/F, World Trade Tower, Barakhamba Lane, New Delhi - 110 001	Chhattisgarh	Bastar	Diamond, Gold and Associated Minerals	1500.00	(i) 30.06.2003 (ii) 24.03.2005	04.04.2005	3
12	BHP Khanij Anveshan Pvt. Ltd. 3/F, World Trade Tower, Barakhamba Lane, New Delhi - 110 001	Chhattisgarh	Bastar, Kanker, Durg	Diamond, Gold and Associated Minerals	1800.00	(i) 30.07.2003 (ii) 24.03.2005	04.04.2005	3
13	BHP Khanij Anveshan Pvt. Ltd. 3/F, World Trade Tower, Barakhamba Lane, New Delhi - 110 001	Chhattisgarh	Dantewara	Diamond, Gold and Associated Minerals	2083.00	(i) 30.07.2003 (ii) -	04.04.2005	3
14	Crown Mining (P) Ltd., New Delhi	Rajasthan	Ajmer	Gold and Associated Minerals	671.88	(i) 23.06.2005 (ii) -	-	3

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(Table --23 Contd.....)

Sl. No.	Name & Address of Permit Holder	Location		Mineral(s)	Area in sq.km.	Date of approval/ grant/ permission (Central Govt./State Govt.)	Date of Execution	Period in years
		State	District					
15	Crown Mining (P) Ltd., New Delhi	Rajasthan	Bhilwara, Chittorgarh Rajasmand, Udaipur	Gold and Associated Minerals	1905.00	(i) 25.06.2005 (ii) -	-	3
16	De Beers India Prospecting Pvt. Ltd., Advanced Business Centre, 83, Maker Chambers VI, Nariman Point, MUMBAI - 400 021	Karnataka	Chickmagalur & Chitradurga	Diamond and Associated Minerals	1706.53	(i) 07.09.2005 (ii) -	28.02.2006	-
17	De Beers India Prospecting Pvt. Ltd., Advanced Business Centre, 83, Maker Chambers VI, Nariman Point, MUMBAI - 400 021	Karnataka	Chitradurga & Dhavangere	Diamond and Associated Minerals	1547.97	(i) 07.09.2005 (ii) -	28.02.2006	-
18	Deccan Gold Mines Ltd. No. 49/A, Nariman Bhavan, 227 Nariman Point, Mumbai 440 021	Kerala	Palakkad	Gold	834.00	(i) 07.09.2005 (ii) 05.10.2005	03.01.2006	3

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(Table -23 Concltd.)

Sl. No.	Name & Address of Permit Holder	Location		Mineral(s)	Area in sq.km.	Date of approval/ grant/ permission (Central Govt./State Govt.)	Date of Execution	Period in years
		State	District					
19	Metal Mining India Ltd., Bangalore	Rajasthan	Dungarpur & Udaipur	Gold & Associated Minerals	654.70	(i)23.06.2005 (ii) -	-	3
20	Metmin Finance & Holding Pvt. Ltd., 161/162, Mittal Court, 'A' Wing, Nariman Point, Mumbai	Madhya Pradesh	Balaghat	Copper, Lead, Zinc, Nickel, Gold, Silver and Associated Minerals	800.00	(i)29.09.2004 (ii) -	25.11.2005	-