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INDIAN BUREAU OF MINES
खनिज अर्थशास्त्र प्रभाग
MINERAL ECONOMICS DIVISION

Bulletin of Mining Leases & Prospecting Licences, 2001

(Excluding Automic Minerals, Coal, Petroleum, Natural Gas and Minor Minerals)

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PREFACE

The preparation and updation of the Directory of Mining Leases is a continuous exercise carried out by the Indian Bureau of Mines. Compilation of information on prospecting licences executed / renewed / revoked is being carried out for the purpose of publishing it in the Bulletin of Mineral Information, a half yearly publication which, inter alia, contains information on mining leases, mineral legislation, trade policy, etc. This is the fourth edition of the Bulletin on mining leases and prospecting licences, brought out by IBM.

This publication contains information on mining leases as well as prospecting licences as on 31.3.2001. The Directory of Mining Leases as on 31.3.2001 incorporates the list of mining leases so far granted/executed upto March, 2001 by the various State Governments. Information contained in the Directory of Mining Leases has been analysed with different parameters, and distribution of mining leases, state-wise, district-wise, mineral-wise and sector-wise which clearly demarcates high, medium and low mineral potential bearing districts. This type of information will, not only satisfy the basic need of various entrepreneurs dealing with mineral industry, but also help the planners to consider 'district', as a unit in the process of planning and development of an area or a district.

The prospecting licences are classified into two groups. The first group consists of licences covering areas up to 25 Sq. Kms. in individual cases and the second group, the prospecting licences over large areas (reconnaissance permits) above 25 Sq. Kms. and upto 5,000 Sq. Kms. in individual cases.

For updation of the Directory of Mining Leases as on 31.3.2001, data supplied by the different State Governments under the statutory provision of Rule 57 (2) of MCR,1960 was the basis and was used freely for the analysis. In so far as prospecting licences are concerned, the individual licence deeds and the consolidated annual returns received under Rule 57(1) and (2) of MCR, 1960 have been utilised for the same period. In case of prospecting licences over large areas, approval orders/ grant orders/licence deeds were the sources of information.

The setting up of databases, including mining leases under Indo-BRGM Co-operation based on Oracle RDBMS packages provided a further boost to the already existing computer based data management system in IBM. The main advantage of the new system is to retrieve query based outputs involving not only intra-database manipulation, but also inter-database manipulation. This is an added advantage in meeting the data required by entrepreneurs on inventory and other database information.

Indian Bureau of Mines is thankful to State Government Departments for furnishing information on mining leases and prospecting licences /reconnaissance permits and continue to solicit their spontaneous cooperation in future.

It is hoped that the analysis and information presented in this publication will be useful in the process of planning of judicious utilisation of mineral resources in the country.

(K. S. RAJU)
Controller General
Indian Bureau of Mines

Nagpur
Dated : 2nd May,2003

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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 0.20% (6,58,743 hectares). The position of mining leases as on 31.3.2001 reveals that there are as many as 9,930 mining leases (compared to 8,996 in the previous year) granted in the country by the State Governments covering 64 minerals including lignite (but excluding coal, petroleum, natural gas, atomic minerals and minor minerals) with a total area of 6,55,018 hectares and spread over 24 states. These 64 minerals are broadly classified into metallic and non-metallic minerals. This bulletin highlights state-wise and district-wise distribution of mining leases and prospecting licences, frequency distribution of mining leases, etc. Though apparently negligible, this is still an important land use segment as it contributes to the 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 the needs of domestic mineral based industries as well as exports to earn foreign exchange. Today, as many as 64 major Metallic and Non-metallic minerals are being exploited in the country excluding coal, atomic and some minor minerals.

The Indian mineral sector is fully opened to private sector both 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, Kms., 25 Sq. Kms. and 10 Sq. Kms. 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 has been processed and updated through computerization. Subsequently, the required outputs have been generated.

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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 as follows:

Sl. No.	Area/Segment	Total area in Million hectares	Percentage of area
1.	Agricultural (Gross cropped areas)	186.60	56.76
2.	Permanent pastures & Other grazing Land	11.10	3.38
3.	Culturable Waste (Potentially Arable)	14.10	4.29
4.	Forest	68.80	20.93
5.	Barren & Un-culturable land	19.00	5.78
6.	Non-agricultural land	22.40	6.82
7.	Mining Lease area	0.66*	0.20
8.	Other area (No information available)	06.08	1.84
	Total	**328.74**	**100.00**

Source: **"Indian Agriculture in Brief" by Directorate of Economics & Statistics, Department of Agriculture and Co-operation, Ministry of Agriculture, 27th Edition Data 1995-96, (Report published in January 2000).**

***Directory of Mining leases 2001, Indian Bureau of Mines.**

Out of the total geographical area, almost two thirds are under agricultural, cultivable, permanent pastures and grazing lands.

The mining lease area, constitutes around 0.20% (6,58,743 hectares) of the total geographical area of India. 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 environmental protection as land degradation takes place during the process of mining activities. From the table above it may be seen that the total mining lease area is negligible in the total geographical area.

3 MINING LEASES

3.1 STATE-WISE ANALYSIS

As on 31.3.2001, there are 9,330 number of mining leases granted by 24 State Governments for 64 different minerals, covering an area of 6,58,743 hectares in the country. States rich in minerals where maximum number of mining leases granted are Andhra Pradesh (18.30%) followed by Gujarat (15.51%), Rajasthan (13.92%), Madhya Pradesh (12.04%), Tamil Nadu (7.17%), Karnataka (6.54%), Orissa (6.49%), Goa (4.23%) and Jharkhand (3.56%). These ten states together account for over 87.76% of total leases executed and remaining fourteen states account for remaining 12.24% of mining leases.

The maximum mining lease area covered by different states are Rajasthan (21.43%), Orissa (15.04%), Karnataka (10.95%), Andhra Pradesh (8.57%), Tamil Nadu (6.68%), Jharkhand (6.17%), Madhya Pradesh (5.33%),Chhattisgarh (4.84%), Gujarat (4.75%) and Goa (4.60%). These ten states accounts for 88.36% of total lease areas executed and remaining fourteen states represent 11.64%. The state-wise mining lease distribution together with lease areas is given in Table-1.

Total mining leases as on 31.3.2001 increased by 3.71% over the previous year and whereas corresponding lease areas increased by 0.57% during the same year.

Table 1 : State-wise Summary of Lease Distribution
(As on 31/03/2001)

Sl. No.	State	No. of leases	Percentage	Lease area (Hect.)	Percentage
1.	Andhra Pradesh	1,707	18.30	56,459.11	8.57
2.	Assam	20	0.21	1,487.89	0.22
3.	Bihar	98	1.05	7,552.36	1.15
4.	Chhattisgarh	234	2.51	31,850.68	4.84
5.	Delhi	5	0.05	499.00	0.08
6.	Goa	395	4.23	30,304.63	4.60
7.	Gujarat	1,428	15.31	31,310.50	4.75
8.	Haryana	134	1.44	15,855.29	2.41
9.	Himachal Pradesh	53	0.57	3,088.69	0.47
10.	Jammu & Kashmir	20	0.21	1,616.64	0.24
11.	Jharkhand	332	3.56	40,631.56	6.17
12.	Karnataka	610	6.54	72,153.39	10.95
13.	Kerala	114	1.22	2,394.54	0.36
14.	Madhya Pradesh	1,123	12.04	35,096.62	5.33
15.	Maharashtra	234	2.51	17,587.28	2.67
16.	Manipur	2	0.02	610.17	0.09
17.	Meghalaya	20	0.21	4,062.69	0.62
18.	Orissa	605	6.49	99,087.74	15.04
19.	Rajasthan	1,299	13.92	1,41,184.50	21.43
20.	Sikkim	3	0.03	38.00	0.01
21.	Tamil Nadu	669	7.17	43,980.01	6.68
22.	Uttar Pradesh	97	1.04	6,716.21	1.02
23.	Uttaranchal	52	0.56	2,754.50	0.42
24.	West Bengal	76	0.81	12,420.76	1.88
	Total	**9,330**	**100.00**	**6,58,742.76**	**100.00**

3.2 DISTRICT-WISE ANALYSIS

(i) HIGH MINERAL POTENTIAL DISTRICTS :

District-wise analysis indicates that the total number of mineral bearing districts are around 276 falling in 24 states in the country. Out of these, 21 districts are considered as highly potential districts in each of which more than 100 mining leases granted. Information on the number of mining leases granted in these 21 districts is furnished in Table-2 . These constitute 44% of total number of mining leases and cover around 33% of total area.

TABLE - 2 : HIGH MINERAL POTENTIAL DISTRICTS

Sl. No.	District	No. of leases Granted	No. of minerals	Area of leases in hectares	States
1.	Ananthapur	159	14	4,697.78	Andhra Pradesh
2.	Cuddapah	227	17	6,789.12	Andhra Pradesh
3.	Kurnool	262	14	4,996.12	Andhra Pradesh
4.	Nellore	271	12	8,651.13	Andhra Pradesh
5.	North Goa	138	2	10,443.89	Goa
6.	South Goa	257	4	19,860.74	Goa
7.	Jamnagar	203	7	6,093.11	Gujarat
8.	Junagarh	401	4	6,449.68	Gujarat
9.	Kutch	178	10	5,211.31	Gujarat
10.	Surendranagar	162	4	941.28	Gujarat
11.	Vadodara	101	5	2,006.81	Gujarat
12.	Bellary	121	7	17,019.63	Karnataka
13.	Jabalpur	298	12	9,664.28	Madhya Pradesh
14.	Satna	299	8	9,689.12	Madhya Pradesh
15.	Keonjhar	129	6	35,778.75	Orissa
16.	Sundargarh	143	10	22,032.49	Orissa
17.	Ajmer	207	10	10,013.65	Rajasthan
18.	Bhilwara	138	6	9,675.94	Rajasthan
19.	Udaipur	213	19	21,588.85	Rajasthan
20.	Coimbatore	103	6	1,967.66	Tamil Nadu
21.	Salem	146	7	3,133.63	Tamil Nadu
	Total	**4,156**		**2,16,697.97**	

(ii) MEDIUM MINERAL POTENTIAL DISTRICTS :

A district with mining leases granted between 51 and 100 leases is considered as medium potential district and such total 29 districts are given in Table-3. This category constitutes over 22% of the total mining leases and it covers an area of over 17%.

TABLE -3 : MEDIUM MINERAL POTENTIAL DISTRICTS

Sl. No.	District	No. of leases Granted	No. of minerals	Areas of leases (hectare)	State
1.	Adilabad	60	6	4,716.61	Andhra Pradesh
2.	Godavari(East)	74	5	657.03	Andhra Pradesh
3.	Godavari (West)	58	10	862.87	Andhra Pradesh
4.	Khammam	67	15	2,443.90	Andhra Pradesh
5.	Mehbubnagar	51	5	495.77	Andhra Pradesh
6.	Prakasam (Ongole)	52	6	1,391.31	Andhra Pradesh
7.	Vizianagaram	89	7	1,362.80	Andhra Pradesh
8.	Durg	81	7	4,614.02	Chhattisgarh
9.	Panchmahal	66	9	889.26	Gujarat
10.	Rajkot	84	7	592.11	Gujarat
11.	Sabarkantha	70	9	1,064.20	Gujarat
12.	Gurgaon	67	4	6,724.83	Haryana
13.	Kodarma	54	2	4,102.19	Jharkhand
14.	Singhbhum (west)	99	10	15,932.01	Jharkhand
15.	Chitradurga	72	9	6,809.11	Karnataka
16.	North Kanara	69	7	9,413.67	Karnataka
17.	Alapuzha (Alleppey)	51	2	972.65	Kerala
18.	Balaghat	70	10	2,294.25	Madhya Pradesh
19.	Mandsaur	51	4	1,449.11	Madhya Pradesh
20.	Sindhudurg	65	9	3,247.98	Maharashtra
21.	Bolangir	90	5	2,391.59	Orissa
22.	Kalahandi	55	3	617.10	Orissa
23	Bikaner	92	6	13,420.50	Rajasthan
24.	Chittorgarh	57	6	7,868.45	Rajasthan
25.	Dungarpur	82	3	5,369.18	Rajasthan
26.	Jaipur	86	13	8,197.67	Rajasthan
27.	Tiruchirapalli	98	11	3,341.30	Tamil Nadu
28.	Tirunelveli	77	6	1,436.42	Tamil Nadu
29.	Allahabad	58	1	1,614.88	Uttar Pradesh
	Total	**2,045**		**1,14,292.77**	

(iii) LOW MINERAL POTENTIAL DISTRICTS :

The remaining districts, in each of which number of mining leases granted lies between 1 and 50 account for 34% of the leases covering 50% of the total area and are considered as low mineral potential districts. State-wise distribution of low potential district and area covered is given in Table-4.

TABLE -4 : LOW MINERAL POTENTIAL DISTRICTS (BY STATES)

Sl. No.	State	No. of District	No. of leases Granted	Lease area (Hect.)
1.	Andhra Pradesh	11	337	19,394.67
2.	Assam	3	20	1,487.89
3.	Bihar	8	98	7,552.36
4.	Chhattisgarh	11	153	27,236.66
5.	Delhi	1	5	499.00
6.	Gujarat	9	163	8,062.74
7.	Himachal Pradesh	6	53	3,088.69
8.	Haryana	5	67	9,130.46
9.	Jammu & Kashmir	9	20	1,616.64
10.	Jharkhand	14	179	20,597.36
11.	Karnataka	22	348	38,910.98
12.	Kerala	8	63	1,421.89
13.	Madhya Pradesh	26	405	11,999.86
14.	Maharashtra	9	169	14,339.30
15.	Manipur	2	2	610.17
16.	Meghalaya	4	20	4,062.69
17.	Orissa	16	188	38,267.81
18.	Rajasthan	22	424	65,057.26
19.	Sikkim	2	3	38.00
20.	Tamil Nadu	19	245	34,101.00
21.	Uttar Pradesh	7	39	5,101.33
22.	Uttaranchal	6	52	2,754.50
23.	West Bengal	6	76	12,420.76
	Total	**226**	**3,129**	**3,27,752.02**

3.3 MINERAL-WISE ANALYSIS

There are 64 naturally occurring minerals/metals for which the mining leases are granted in the country. These minerals/metals are broadly classified into metallic and non-metallic minerals.

(i) METALLIC MINERALS

The metallic minerals include ferrous, non- ferrous and noble metals. The ferrous group includes iron ore, manganese ore, chromite and tungsten, whereas non-ferrous group consists of antimony ores, bauxite, copper , lead & zinc ores, molybdenum ore, nickel ore and vanadium ore. The noble metal group includes gold, silver and platinum group of metals. At present, there are no commercial mining leases for silver and platinum group of metals in the country.

Metallic minerals for which mining leases are granted as on 31.3.2001 are 9 in number and the number of leases are 1,518 or 16.27% of the total mining leases with an area of 217,450.95 hectares (33.01% of the total mining area in the country). Out of the 9 metallic minerals, the total number of mining leases granted for iron ore is placed at 638 followed by manganese ore (446), bauxite (353), chromite (37) and copper ore (17). These 5 minerals accounts for 1,491 mining leases (98.22% of the mining leases for metallic minerals) with an area of 2,00,368.23 hectares (92.19%) of the lease area of metallic minerals. The distribution of mining leases for metallic minerals is given in Table-5.

TABLE- 5 : DISTRIBUTION OF MINING LEASES FOR METALLIC MINERALS

Sl. No.	Mineral/Metal	No. of leases executed	Area in hectares
1.	Bauxite	353	33,466.57
2.	Chromite	37	9,667.76
3.	Copper ore	17	10,756.51
4.	Gold	10	7,441.99
5.	Iron ore	638	1,05,093.46
6.	Lead & zinc ore	12	8,221.35
7.	Manganese ore	446	41,383.93
8.	Tin	4	72.58
9	Vanadium	1	1,346.80
	Total	**1,518**	**2,17,450.95**

(ii) NON-METALLIC MINERALS

There are 55 major non-metallic or industrial minerals, for which leases are granted in the country. In all, there are 7,812 (83.73% of the total) mining leases granted for these minerals with an area of 441,291.81 hectares (67% of the total lease area). Distribution of mining leases for non-metallic minerals is given in Table-6

TABLE- 6 : DISTRIBUTION OF MINING LEASES FOR NON-METALLIC MINEARLS

Sl. No.	Mineral/Metal	No. of leases executed	Area in hectares
1.	Agate	9	390.19
2.	Amethyst	7	110.94
3.	Apatite	1	1,040.07
4.	Asbestos	77	4,725.92
5.	Ball clay	37	1,994.00
6.	Barytes	166	4,141.56
7.	Calcareous sand	15	269.64
8.	Calcite	73	1,795.84
9.	Chalk	156	654.25
10.	China clay	543	48,579.66
11.	Clay (others)	105	2,016.17
12.	Corundum	26	806.72
13.	Diamond	2	576.51
14.	Diaspore	23	444.53
15.	Dolomite	404	10,438.55
16.	Emerald	1	129.50
17.	Epidote	1	46.68
18.	Felsite	7	195.69
19.	Felspar	210	7,463.93
20.	Fireclay	434	23,115.53
21.	Fluorite	20	2,566.18
22.	Garnet	18	572.81
23.	Graphite	184	6,586.99
24.	Gypsum	189	28,366.35
25.	Jasper	21	1,212.86
26.	Kaolin	4	679.43
27.	Kyanite	24	3,286.47

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Sl. No.	Mineral/Metal	No. of leases executed	Area in hectares
28.	Laterite	122	1,408.68
29.	Lignite	9	7,406.73
30.	Lime kankar	34	1,713.07
31	Limeshell	56	7,840.50
32.	Limestone	1910	1,49,105.08
33.	Magnesite	31	3,680.65
34.	Mica	356	18,927.93
35.	Moulding sand	82	2,022.50
36.	Ochre	166	4,590.55
37.	Opal	1	200.00
38.	Perlite	1	144.65
39.	Phosphorite	10	3,737.58
40.	Pyrites	2	847.50
41.	Pyrophyllite	88	2,592.59
42.	Quartz	800	15,069.98
43.	Quartzite	65	1,474.07
44.	Rock phosphate	1	5.00
45.	Rock salt	2	44.24
46.	Sand (others)	87	7,900.24
47.	Serpentine	1	2.00
48.	Shale	27	713.94
49.	Silica sand	570	26,013.36
50.	Sillimanite	21	2,681.53
51.	Slate	27	1,098.37
52.	Steatite	557	29,104.91
53.	Tourmaline	5	215.15
54.	Vermiculite	21	346.55
55.	Wollastonite	3	197.49
	Total	**7,812**	**4,41,291.81**

3.4 FREQUENCY DISTRIBUTION OF MINING LEASES

The number of mining leases so far granted for various minerals are classified into 4 categories :

Category–1: includes minerals for which number of mining leases granted is between 401 and 2,000;
Category–2: includes minerals for which number of mining leases granted are between 201 and 400;
Category–3: includes minerals for which number of mining leases granted are between 51 and 200 and
Category–4: includes minerals for which number of mining leases granted are between 1 and 50.

Frequency distribution of mining leases by minerals are furnished in Table-7 .

TABLE-7 : FREQUENCY DISTRIBUTION OF MINING LEASES

Category	No. of leases Granted	Minerals	No. of Mining leases granted	Area covered in hectares
I	Between 401 to 2,000	China clay	543	48,579.66
		Dolomite	404	10,438.55
		Fireclay	434	23,115.53
		Iron ore	638	105,093.46
		Limestone	1910	149,105.08
		Manganese ore	446	41,383.93
		Quartz	800	15,069.98
		Silica sand	570	26,013.36
		Steatite	557	29,104.91
		Total	**6,302 (67.55%)**	**4,47,904.46 (67.99%)**
II	Between 201 to 400	Bauxite	353	33,466.57
		Felspar	210	7,463.93
		Mica	356	18,927.93
		Total	**919 (9.85%)**	**59,858.43 (9.09%)**
III	Between 51 to 200	Asbestos	77	4,725.92
		Barytes	166	4,141.56
		Calcite	73	1,795.84

Contd...

Contd...

Category	No. of leases Granted	Minerals	No. of Mining leases granted	Area covered in hectares
III	Between 51 to 200 (Contd...)	Chalk	156	654.25
		Clay (others)	105	2,016.17
		Graphite	184	6,586.99
		Gypsum	189	28,366.35
		Laterite	122	1,408.68
		Limeshell	56	7,840.50
		Moulding sand	82	2,022.50
		Ochre	166	4,590.55
		Pyrophyllite	88	2,592.59
		Quartzite	65	1,474.07
		Sand (others)	87	7,900.24
		Total	**1,616 (17.32%)**	**76,116.21 (11.55%)**
IV	Between 1 to 50	Agate	9	390.19
		Amethyst	7	110.94
		Apatite	1	1,040.07
		Ball clay	37	1,994.00
		Calcareous sand	15	269.64
		Chromite	37	9,667.76
		Copper ore	17	10,756.51
		Corundum	26	806.72
		Diamond	2	576.51
		Diaspore	23	444.53
		Emerald	1	129.50
		Epidote	1	46.68
		Felsite	7	195.69
		Fluorite	20	2,566.18
		Garnet	18	572.81
		Gold	10	7,441.99
		Jasper	21	1,212.86
		Kaolin	4	679.43
		Kyanite	24	3,286.47
		Lead & zinc ore	12	8,221.35
		Lignite	9	7,406.73
		Lime kankar	34	1,713.07
		Limeshell	56	7,840.50
		Magnesite	31	3,680.65
		Opal	1	200.00
		Perlite	1	144.65
		Phosphorite	10	3,737.58
		Pyrites	2	847.50
		Rock phosphate	1	5.00

Contd...

Concld...

Category	No. of leases Granted	Minerals	No. of Mining leases granted	Area covered in hectares
	Between 1 to 50 (Contd...)	Rock salt	2	44.24
		Serpentine	1	2.00
		Shale	27	713.94
		Sillimanite	21	2681.53
		Slate	27	1,098.37
		Tin	4	72.58
		Tourmaline	5	215.15
		Vanadium	1	1,346.80
		Vermiculite	21	346.55
		Wollastonite	3	197.49
		Total	**493 (5.28%)**	**74,863.66 (11.37%)**

Number of minerals, their mining leases and area of leases covered category-wise are summarised below :

Category - I:

(a) Total number of minerals - **9**
(b) Total number of mining leases granted - **6,302 (67.55 % of total mining leases)**
(c) Total area of leases covered in hectares- **4,47,904.46 (67.99 % of total area)**

Category-II:

(a) Total number of minerals – **3**
(b) Total number of mining leases granted - **919 (9.85% of total mining leases)**
(c) Total area of leases covered in hectares- **59,858.43 (9.09% of total area)**

Category-III:

(a) Total number of minerals -**14**
(b) Total number of mining leases granted - **1,616 (17.32% of total mining leases)**
(c) Total area of leases covered in hectares- **76,116.21 (11.55% of total area)**

Category-IV:

(a) Total number of minerals -**38**
(b) Total number of mining leases granted - **493 (5.28% of total mining leases)**
(c) Total area of leases covered in hectares- **74,863.66 (11.37% of total area)**

3.5 MUSEUM DISTRICTS OF MINERALS

The concentration of both number and wide variety of minerals is confined to as many as 21 districts covering 9 states which have more than 4 varieties of minerals. The districts and occurrences of wide variety have been listed in Table-2 . The Cuddapah district of Andhra Pradesh and Udaipur district of Rajasthan are considered as museum districts of minerals . These two are endowed with as many as 19 and 17 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 Undertakings. Out of the total 9,330 mining leases in the country 650 (6.97%) leases are granted in the public sector extending over an area of 2,47,587.08 hectares and the remaining mining leases with an area of 4,11,155.68 hectares are in the private sector. Most of the metallic minerals namely copper ore, lead & zinc ores, and gold are in the public sector and other metallic minerals such as iron ore, manganese ore, chromite and the industrial 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 235 number of mining leases granted in 18 States for different minerals, covering an area of 1,30,001.25 hectares. States rich in minerals where maximum number of mining leases granted for central public sector undertakings are Chhattisgarh (18.72%) followed by Madhya Pradesh (13.62%), Maharashtra (11.91%), Rajasthan (11.48%), Andhra Pradesh (11.06%), Orissa (8.09%) and Jharkhand (7.23%). These seven states together account for over 82.11% of total leases executed and remaining states account for 17.89%

The maximum mining lease area covered by different states are Tamil Nadu (20.19%) followed by Chhattisgarh (17.30%), Jharkhand (12.63), Orissa (12.13%), Rajasthan (10.60%) and Karnataka (9.78%). These six states accounts 82.63% of total lease areas executed and remaining sixteen states represent 17.37%.

ii) STATE GOVERNMENT PUBLIC SECTOR UNDERTAKINGS :

There are 415 number of mining leases granted in 22 States for different minerals, covering an area of 1,17,585.83 hectares. States rich in minerals where maximum number of mining leases granted are Karnataka and Rajasthan (19.03% each) followed by Tamil Nadu (16.63%), Orissa (12.77%), Maharashtra (5.54%), Gujarat (4.34%), Andhra Pradesh (4.09%) and Jharkhand (3.61). These eight states together account for over 85.04% of total leases executed and remaining states account for remaining 14.96% of mining leases of public sector.

The maximum mining lease area covered by different states are Rajasthan (31.03%) followed by Orissa (27.20%), Karnataka (15.57%), Gujarat (5.86%) and Tamil Nadu (4.43%). These five states accounts for 84.09% of total lease areas executed and remaining sixteen states represent 15.91%.

State-wise and Sector-wise distribution of mining leases is given in Table-8-10.

TABLE-8 : SECTOR WISE DISTRIBUTION OF MINING LEASES (AS ON 31/03/2001) (PUBLIC SECTOR AND PRIVATE SECTOR)

Sl. No.	State	Total		Public Sector		Private Sector	
		No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
1.	Andhra Pradesh	1,707	56,459.11	43	9,206.40	1,664	47,252.71
2.	Assam	20	1,487.89	4	375.03	16	1,112.86
3.	Bihar	98	7,552.36	5	2,042.17	93	5,510.19
4.	Chhattisgarh	234	31,850.68	54	22,810.38	180	9,040.30
5.	Delhi	5	499.00	1	184.68	4	314.32
6.	Goa	395	30,304.63	-	-	395	30,304.63
7.	Gujarat	1,428	31,310.50	18	6,887.19	1,410	24,423.41
8.	Haryana	134	15,855.29	17	2,645.88	117	13,209.41
9.	Himachal Pradesh	53	3,088.69	5	564.01	48	2,524.68
10.	Jammu & Kashmir	20	1,616.64	5	622.04	15	994.60
11.	Jharkhand	332	40,631.56	33	20,684.67	299	19,946.89
12.	Karnataka	610	72,153.39	86	31,030.73	524	41,122.66
13.	Kerala	114	2,394.54	4	471.61	110	1,922.93
14.	Madhya Pradesh	1,123	35,096.62	39	8,339.76	1,084	26,756.86
15.	Maharashtra	234	17,587.28	51	2,727.49	183	14,859.79
16.	Manipur	2	610.17	-	-	2	610.17
17.	Meghalaya	20	4,062.69	9	2,723.70	11	1,338.99
18.	Orissa	605	99,087.74	72	47,768.73	532	51,294.12
19.	Rajasthan	1,299	1,41,184.50	106	50,283.51	1,193	90,900.99
20.	Sikkim	3	38.00	2	36.67	1	1.33
21.	Tamil Nadu	669	43,980.01	77	31,465.30	592	12,514.71
22.	Uttar Pradesh	97	6,716.21	8	4,370.78	89	2,345.43
23.	Uttaranchal	52	2,754.50	5	811.48	47	1,943.02
24.	West Bengal	76	12,420.76	6	1,534.87	70	10,885.89
	Total	**9,330**	**6,58,742.76**	**650**	**2,47,587.08**	**8,680**	**4,11,155.68**

TABLE-9 : DISTRIBUTION OF MINING LEASES IN PUBLIC SECTOR (AS ON 31/03/2001) (CENTRAL GOVTS. AND STATE GOVTS.)

Sl. No.	State	Public Sector		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	43	9,206.40	26	6,836.96	17	2,369.44
2.	Assam	4	375.03	1	171.00	3	204.03
3.	Bihar	5	2,042.17	3	691.63	2	1,350.54
4.	Chhattisgarh	54	22,810.38	44	22,490.28	10	320.10
5.	Delhi	1	184.68	-	-	1	184.68
6.	Goa	-	-	-	-	-	-
7.	Gujarat	18	6,887.19	-	-	18	6,887.19
8.	Haryana	17	2,645.88	4	705.35	13	1,940.53
9.	Himachal Pradesh	5	564.01	4	532.54	1	31.47
10.	Jammu & Kashmir	5	622.04	1	485.30	4	136.74
11.	Jharkhand	33	20,684.67	18	16,423.43	15	4,261.24
12.	Karnataka	86	31,030.73	7	12,719.87	79	18,310.86
13.	Kerala	4	471.61	1	62.20	3	409.41
14.	Madhya Pradesh	39	8,339.76	32	8,272.37	7	67.39
15.	Maharashtra	51	2,727.49	28	1,700.14	23	1,027.35
16.	Manipur	-	-	-	-	-	-
17.	Meghalaya	9	2,723.70	5	1,723.63	4	1,000.07
18.	Orissa	72	47,768.73	19	15,782.05	53	31,986.68
19.	Rajasthan	106	5,0283.51	27	13,787.38	79	36,496.13
20.	Sikkim	2	36.67	-	-	2	36.67
21.	Tamil Nadu	77	31,465.30	8	26,254.32	69	5,210.98
22.	Uttar Pradesh	8	4,370.78	-	-	8	4,370.78
23.	Uttaranchal	5	811.48	4	714.48	1	97.00
24.	West Bengal	6	1,534.87	3	648.62	3	886.25
	Total	**650**	**2,47,587.08**	**235**	**1,30,001.25**	**415**	**1,17,585.83**

TABLE-10: DISTRIBUTION OF MINING LEASES IN PUBLIC SECTOR
(AS ON 31/03/2001)
(BY STATE/DISTRICT/MINERAL)

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
1.	**Andhra Pradesh**	Adilabad	Limestone	1	839.41	1	809.38
		Anantapur	Gold	1	168.42	-	-
		Chittoor	Gold	2	597.59	-	-
		Cuddapah	Barytes	-	-	6	160.42
		Godavari West	China clay	-	-	3	131.54
		Guntur	Lead & zinc	1	200.00	-	-
		Karimnagar	Sand (others)	4	117.09	-	-
		Khammam	Dolomite	1	384.61	-	-
			Sand (others)	1	5.34	-	-
			Silica sand	1	71.02	-	-
		Krishna	Limekankar	1	720.00	-	-
			Limestone	1	2,195.00	-	-
		Kurnool	Limestone	-	-	2	54.07
		Mahbubnagar	Felspar	1	17.82	-	-
			Quartz	-	-	1	17.12
		Prakasam	Iron ore	1	266.33	-	-
		Ranga Reddy	Limestone	2	613.40	-	-
			Sand (others)	1	41.60	-	-
			Shale	1	132.83	-	-
		Visakhapatnam	Apatite	-	-	1	1,040.07
			Mica	-	-	2	48.68
			Phosphorite	-	-	1	108.16
		Vizianagaram	Manganese ore	5	389.50	-	-
			Moulding sand	1	77.00	-	-
			Total	**26**	**6,836.96**	**17**	**2,369.44**
2.	**Assam**	Kamrup	Quartz	-	-	1	4.03
		Karbi Anglong	Limestone	1	171.00	-	-
		North Cachar Hills	Limestone	-	-	2	200.00
			Total	**1**	**171.00**	**3**	**204.03**
3.	**Bihar**	Latehar	Iron ore	-	-	1	14.04
		Monghyr	Quartzite	2	44.13	-	-
		Nawadha	Mica	-	-	1	1,336.50
		Rohtas	Pyrite	1	647.50	-	-
			Total	**3**	**691.63**	**2**	**1,350.54**
4.	**Chhattisgarh**	Bastar	Iron ore	4	2,948.74	-	-
		Bilaspur	Bauxite	2	34.72	-	-
			Dolomite	6	1028.22	1	20.70
			Limestone	7	4,569.53	-	-

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
	Chhattisgarh (Contd...)	Dantewara	Iron ore	6	6831.90	-	-
			Tin	-	-	1	7.73
		Durg	Dolomite	-	-	1	22.15
			Iron ore	4	2,732.62	-	-
			Limestone	5	695.43	-	-
			Moulding sand	1	24.98	-	-
			Quartzite	1	298.00	-	-
			Silica sand	2	16.16	-	-
		Kanker	Bauxite	-	-	1	3.20
			Iron ore	2	1,859.66	-	-
		Raipur	Limestone	2	185.09	-	-
		Rajnandgaon	Bauxite	1	626.11	-	-
		Surguja	Bauxite	1	639.12	6	266.32
			Total	**44**	**22,490.28**	**10**	**320.10**
5.	**Delhi**	Delhi	China clay	-	-	1	184.68
			Total	-	-	**1**	**184.68**
6.	**Gujarat**	Banaskantha	Copper ore	-	-	1	1,402.00
		Bharuch	Lignite	-	-	2	327.87
		Bhavnagar	Lignite	-	-	1	1,355.00
		Jamnagar	Bauxite	-	-	2	469.96
		Kutch	Bauxite	-	-	7	534.46
			Lignite	-	-	3	2,040.00
		Vadodara	Fluorite	-	-	2	757.90
			Total	-	-	**18**	**6,887.19**
7.	**Haryana**	Bhiwani	Lime kankar	4	705.35	-	-
		Faridabad	China clay	-	-	1	70.00
			Silica sand	-	-	4	1,283.09
		Gurgaon	Silica sand	-	-	3	239.76
		Mahendragarh	Felspar	-	-	1	23.61
			Iron ore	-	-	1	86.20
			Limestone	-	-	1	9.85
		Rewari	Slate	-	-	2	228.02
		Total		**4**	**705.35**	**13**	**1,940.53**
8.	**Himachal Pradesh**	Bilaspur	Limestone	-	-	1	31.47
		Mandi	Rock salt	2	44.24	-	-
		Sirmur	Limestone	1	255.70	-	-
		Solan	Limestone	1	232.60	-	-
		Total		**4**	**532.54**	**1**	**31.47**
9.	**Jammu & Kashmir**	Anantnag	China clay	-	-	1	4.06
		Doda	Gypsum	-	-	1	32.68
		Pulwama	Limestone	-	-	1	100.00
		Udhampur	Magnesite	1	485.30	1	n.a.
		Total		**1**	**485.30**	**4**	**136.74**

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
10.	Jharkhand	Dhanbad	Fireclay	1	138.83	-	-
			Sand (others)	1	8.15	-	-
		Garwah	Dolomite	1	202.35	-	-
			Limestone	3	1,178.92	-	-
		Hazaribagh	Limestone	-	-	1	64.78
		Kodarma	Mica	-	-	1	2,128.51
		Palamau	Graphite	-	-	7	693.55
			Limestone	-	-	1	1,043.83
		Ranchi	Limestone	-	-	2	239.63
		Singhbhum (East)	Copper ore	3	6,417.69	-	-
			Kyanite	-	-	1	2.43
		Singhbhum (West)	Iron ore	8	6,729.24	-	-
			Kyanite	1	1,748.25	2	88.51
		Total		18	16,423.43	15	4,261.24
11.	Karnataka	Bagalkot	Dolomite	-	-	3	726.41
			Limestone	-	-	10	3,671.41
		Bangalore	Corundum	-	-	1	14.16
			Feldsper	-	-	3	130.30
		Belgaum	Limestone	-	-	2	792.37
		Bellary	Iron ore	2	2,660.85	11	2,508.51
		Bijapur	Limestone	-	-	2	915.02
		Chickmagalur	Iron ore	1	4,605.00	-	-
		Chitradurga	Copper ore	-	-	2	416.83
			Limestone	-	-	1	918.65
		Gulbarga	Gold	-	-	1	55.75
			Limestone	3	240.92	-	-
		Hassan	China clay	-	-	2	311.60
			Chromite	-	-	6	987.47
			Copper ore	-	-	1	70.82
			Quartz	-	-	2	18.20
			Steatite	-	-	1	80.94
			Vermiculite	-	-	1	26.30
		Kolar	Clay (others)	-	-	1	2.02
			Gold	1	5,213.10	-	-
		Mandya	Quartz	-	-	1	15.17
		Mysore	Corundum	-	-	1	72.87
			Magnesite	-	-	3	338.12
		North Kanara	Manganese ore	-	-	7	2,911.02
		Raichur	Gold	-	-	3	965.08
		Shimoga	China clay	-	-	4	45.32
			Iron ore	-	-	1	40.47
			Manganese ore	-	-	6	1,765.67

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
	Karnataka (Contd...)	South Kanara	Limeshell	-	-	1	114.52
		Tumkur	Gold	-	-	1	38.04
		Udupi	Bauxite	-	-	1	357.55
		Total		**7**	**12,719.87**	**79**	**18,310.86**
12.	**Kerala**	Kollam	China clay	-	-	1	4.22
			Sillimanite	1	62.20	1	157.64
		Palakkad	Limestone	-	-	1	247.55
		Total		**1**	**62.20**	**3**	**409.41**
13.	**Madhya Pradesh**	Balaghat	Copper ore	2	479.90	-	-
			Manganese ore	11	1,172.27	-	-
			Sand (others)	1	5.50	-	-
		Jabalpur	Felspar	1	8.28	-	-
			Fireclay	3	39.09	-	-
			Limestone	3	1,125.35	-	-
		Katni	Limestone	1	73.06	-	-
		Mandla	Bauxite	2	2,039.00	-	-
			Dolomite	-	-	1	2.52
		Mandsaur	Limestone	2	500.45	-	-
		Panna	Diamond	2	576.51	-	-
		Rewa	Silica sand	-	-	1	23.91
		Satna	Limestone	3	2,151.72	2	22.33
		Shahdol	Bauxite	1	101.24	-	-
		Shivpuri	Diaspore	-	-	1	4.73
		Tikamgarh	Pyrophyllite	-	-	2	13.90
		Total		**32**	**8,272.37**	**7**	**67.39**
14.	**Maharashtra**	Bhandara	Iron ore	-	-	1	43.82
			Kyanite	-	-	10	331.23
			Manganese ore	6	443.43	-	-
			Sillimanite	-	-	3	77.86
		Chandrapur	Fluorite	-	-	1	32.70
			Sand (others)	5	625.25	-	-
		Nagpur	Dolomite	-	-	2	85.45
			Manganese ore	15	462.54	-	-
			Sand (others)	2	168.92	-	-
		Ratnagiri	Silica sand	-	-	2	84.33
		Sindhudurg	Felspar	-	-	1	29.26
			Silica sand	-	-	2	138.85
		Yeotmal	Limestone	-	-	1	203.85
		Total		**28**	**1,700.14**	**23**	**1,027.35**
15.	**Meghalaya**	Gara Hills West	Fire clay	-	-	1	221.44
			Limestone	-	-	1	384.00
		Khasi Hills East	Limestone	-	-	2	394.63
			Sillimanite	5	1723.63	-	-
		Total		**5**	**1,723.63**	**4**	**1,000.27**

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
16.	Orissa	Bargarh	Limestone	-	-	2	806.53
		Dhenkanal	Chromite	-	-	2	847.48
		Ganjam	Sand (others)	1	2,877.76	-	-
		Jajpur	Chromite	-	-	7	3,272.88
			Iron ore	-	-	2	3,038.01
		Kalahandi	Corundum	-	-	1	35.38
		Keonjhar	Chromite	-	-	3	1,933.64
			Iron ore	4	4,162.91	12	7,332.93
			Manganese ore	-	-	9	4,885.06
		Koraput	Bauxite	2	7,204.74	-	-
			Graphite	-	-	1	501.67
			Limestone	-	-	2	1,586.22
			Manganese ore	-	-	1	501.67
		Malkhangiri	Limestone	-	-	1	1,694.13
		Mayurbhanj	China clay	-	-	1	142.70
			Shale	-	-	1	289.85
			Vanadium	-	-	1	1,346.80
		Nawapara	Limestone	-	-	3	343.00
		Rayagada	Bauxite	-	-	1	1,388.74
		Sundargarh	Bauxite	1	117.44	-	-
			Dolomite	2	384.03	-	-
			Iron ore	6	487.64	3	2,039.69
			Lead & zinc ore	1	499.60	-	-
			Quartz	2	47.93	-	-
		Total		19	15,782.05	53	31,986.68
17.	Rajasthan	Ajmer	Lead & zinc ore	1	480.45	-	-
		Alwar	Copper ore	1	914.07	-	-
		Banswara	Dolomite	-	-	1	300.00
			Graphite	-	-	2	382.75
			Limestone	-	-	3	439.54
		Barmer	Clay (others)	-	-	2	73.11
			Gypsum	2	1,553.83	3	789.85
			Lignite	-	-	1	2,655.70
		Bhilwara	Lead & zinc ore	1	1,200.00	-	-
		Bikaner	Gypsum	3	367.02	11	4,575.39
			Lignite	1	860.00	-	-
		Dungarpur	Fluorite	-	-	6	396.89
			Steatite	-	-	4	237.82
		Ganganagar	Gypsum	4	346.50	11	9,390.06
		Hanumangarh	Gypsum	-	-	2	549.29

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
	Rajasthan (Contd...)	Jaisalmer	Gypsum	1	501.68	5	1,816.21
			Limestone	-	-	2	1,998.00
			Phosphorite	-	-	1	400.00
			Silica sand	-	-	1	107.50
		Jalore	Fluorite	-	-	4	1,075.00
			Gypsum	-	-	1	300.00
		Jhunjhunu	Copper ore	4	890.53	-	-
		Nagaur	Gypsum	-	-	4	2,994.46
			Limestone	1	335.30	3	4,915.44
		Pali	Gypsum	-	-	1	161.55
		Rajsamand	Lead & zinc ore	4	2,142.04	-	-
		Sikar	Pyrite	1	200.00	-	-
		Sirohi	Copper ore	1	128.00	-	-
			Fluorite	-	-	1	90.63
			Lead & zinc ore	-	-	1	63.00
		Udaipur	Barytes	-	-	1	400.00
			Calcite	-	-	1	49.50
			Dolomite	-	-	2	379.77
			Lead & zinc ore	1	3,620.00	-	-
			Phosphorite	1	247.96	3	1,856.05
			Rock phosphate	-	-	1	5.00
			Steatite	-	-	1	93.62
		Total		**27**	**13,787.38**	**79**	**36,496.13**
18.	**Sikkim**	Sikkim East	Copper ore	-	-	2	36.67
		Total		-	-	**2**	**36.67**
19.	**Tamil Nadu**	Chengai-Anna	Quartz	-	-	3	8.05
		Coimbatore	Gypsum	-	-	1	45.72
		Cuddalore	Chinaclay	1	25,900.00	1	6.68
		Dharmpuri	Limestone	-	-	1	132.68
		Kanyakumari	Tourmaline	5	215.15	-	-
		Madurai	Limestone	-	-	1	2.80
		Perambalur	Limestone	-	-	3	495.00
		Periyar	Quartz	-	-	12	63.02
		Ramnathpuram	Gypsum	-	-	1	257.09
			Limeshell	-	-	1	539.05
		Salem	Magnesite	2	139.17	3	431.24
			Quartz	-	-	5	8.89
		Sivaganga	Graphite	-	-	2	242.46
			Limestone	-	-	3	877.24
			Quartz	-	-	1	1.31
		South Arcot	Fireclay	-	-	2	39.44
			Silica sand	-	-	1	12.15
		Thiruvallur	Limeshell	-	-	1	190.00
			Silica sand	-	-	1	4.63

Sl. No.	State	District	Mineral	Central Govt.		State Govt.	
				No. of leases	Lease area (Hect.)	No. of leases	Lease area (Hect.)
	Tamil Nadu (contd...)	Tiruchirapalli	China clay	-	-	1	12.16
			Dolomite	-	-	1	62.07
			Gypsum	-	-	5	799.62
			Limestone	-	-	2	23.45
			Quartz	-	-	6	17.99
		Tirunelvelli	Garnet	-	-	1	4.36
			Gypsum	-	-	2	75.71
			Limestone	-	-	5	129.35
		Vellore	Vermiculite	-	-	1	23.73
		Virudhunagar	Limestone	-	-	3	705.09
		Total		**8**	**26,254.32**	**69**	**5,210.98**
20.	Uttar Pradesh	Allahabad	Silica sand	-	-	1	33.58
		Lalitpur	Phosphorite	-	-	1	874.00
			Pyrophyllite	-	-	3	774.20
		Sonbhadra	Limestone	-	-	3	2689.00
		Total		-	-	**8**	**4,370.78**
21.	Uttaranchal	Bageshwar	Magnesite	1	53.20	-	-
		Dehradun	Limestone	-	-	1	97.00
			Phosphorite	2	222.28	-	-
		Pithoragarh	Magnesite	1	439.00	-	-
		Total		**4**	**714.48**	**1**	**97.00**
22.	West Bengal	Birbhum	Fireclay	1	91.09	-	-
		Burdwan	Fireclay	1	348.50	-	-
		Jalpaiguri	Dolomite	-	-	1	847.00
		Purulia	Phosphorite	-	-	1	29.13
			Quartz	-	-	1	10.12
			Sand (others)	1	209.03	-	-
		Total		**3**	**648.62**	**3**	**886.25**
		Grand Total		**235**	**1,30,001.55**	**415**	**1,17,585.83**

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 Governments 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 (9,330), more than 2,350 leases will expire between 2002 and 2006 . The year -wise break up of expiry of leases and State-wise and year-wise break up of expiry of leases are given in Table-11 and 12.

Table-11: YEAR -WISE STATUS OF EXPIRY OF MINING LEASES.

Year	No. of leases	Percentage	Area covered in hectares	Percentage
2002	562	4.81	27,527.77	3.26
2003	516	4.42	28,009.74	3.32
2004	433	3.71	24,307.94	2.88
2005	437	3.74	29,988.56	3.56
2006	402	3.44	24,395.26	2.89

TABLE -12 : STATE-WISE AND YEAR-WISE STATUS OF EXPIRY OF MINING LEASES (BY STATE)

Sl. No.	State	2002		2003		2004		2005		2006	
		No.	Lease area (Hect.)	No.	Lease area (Hect.)	No.	Lease area (Hect.)	No.	Lease area (Hect.)	No.	Lease area (Hect.)
1.	Andhra Pradesh	106	5,640.49	138	3,889.80	65	1,413.00	78	2,848.53	41	2,411.46
2.	Assam	1	171.00	-	-	-	-	1	33.00	7	198.68
3.	Bihar	2	54.28	2	1,024.35	4	177.71	7	254.74	8	657.18
4.	Chhattisgarh	14	1,684.74	14	1,330.33	2	11.80	15	1,274.49	24	1,064.02
5.	Delhi	-	-	-	-	-	-	-	-	-	-
6.	Goa	-	-	-	-	-	-	2	91.30	-	-
7.	Gujarat	124	1,592.86	94	1,976.85	102	833.36	60	727.83	89	1,352.10
8.	Haryana	5	1,145.12	13	1,315.62	6	841.00	3	559.80	2	665.01
9.	Himachal Pradesh	2	34.39	2	44.24	6	190.60	8	107.23	1	8.28
10.	Jammu & Kashmir	1	32.68	-	-	-	-	-	-	-	-
11.	Jharkhand	9	343.45	21	2,176.76	23	1,117.12	20	4,154.27	23	2,048.77
12.	Karnataka	38	3,494.32	37	4,800.57	28	1,231.91	24	1,769.29	13	1,061.34
13.	Kerala	8	209.26	9	63.56	19	124.88	6	235.48	4	5.91
14.	Madhya Pradesh	90	2,388.86	46	623.86	46	1,085.48	71	2,947.62	48	516.01
15.	Maharashtra	16	853.97	6	137.73	12	1,766.92	7	158.86	12	264.93
16.	Manipur	-	-	-	-	-	-	-	-	-	-
17.	Meghalaya	-	-	1	143.59	-	-	-	-	1	86.00
18.	Orissa	36	1,511.90	18	2,832.03	27	4,104.31	42	7,897.26	44	5,609.19
19.	Rajasthan	90	7,037.28	101	7,150.86	79	10,559.59	78	5,969.12	64	7,934.61
20.	Sikkim	-	-	-	-	-	-	-		-	-
21.	Tamil Nadu	8	356.62	1	2.01	9	708.65	7	450.33	10	155.66
22.	Uttar Pradesh	7	856.98	5	397.97	-	-	2	450.15	4	78.25
23.	Uttaranchal	3	108.62	1	53.20	2	112.27	2	27.92	-	-
24.	West Bengal	2	8.95	7	46.41	3	28.86	4	31.34	7	277.86
	Total	**562**	**27,527.77**	**516**	**28,009.74**	**433**	**24,307.94**	**437**	**29,988.56**	**402**	**24,395.26**

4. PROSPECTING LICENCES

Prospecting licence means a licence granted for the purpose of undertaking prospecting operations with a view to exploring/locating or proving mineral deposits on surface/sub-surface areas. State Governments and the Union Territories are empowered to grant/renew/revoke prospecting licences under the provisions of Mineral Concession Rules, (MCR) 1960.

The area restrictions of prospecting licences have been substantially liberalized 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/Undertakings, 388 prospecting licences covering an area of 50,700 hectares were executed during 2000-01. Similarly, 333 prospecting licences, covering an area of 33,989 hectares were executed during 1999-2000. Number of prospecting licences executed with area during 1999-2000 and 2000-01 is given in Table-13. **These exclude those reconnaissance permits executed for aerial prospecting.**

The States rich in minerals where maximum number of prospecting licences so far executed during the year 2000-01 are Rajasthan (201) followed by Madhya Pradesh (57), Andhra Pradesh (35), Uttar Pradesh (34), Orissa (28), Chhattisgarh (10), Meghalaya (5), Karnataka, Maharashtra and Tamil Nadu (4 each), Gujarat (3) and Bihar, Goa and Himachal Pradesh (1 each). Rajasthan State alone accounts for 52% while remaining 13 States covered 48% of the total number of prospecting licences. Area-wise, Rajasthan covered 66% and the remaining 15 States accounted for just 34% (Table-13).

TABLE –13 : STATE-WISE DISTRIBUTION OF PROSPECTING LICENCES EXECUTED[1/] DURING 1999-2000 AND 2000-01

Sl. No.	Mineral/s	1999-2000		2000-01	
		Nos.	Area in Hects.	Nos.	Area in Hects.
1.	Andhra Pradesh	43	1,581	35	7,743
2.	Bihar	1	19	1	4,310
3.	Chhattisgarh	-	-	10	108
4.	Goa	-	-	1	10
5.	Gujarat	7	102	3	55
6.	Haryana	4	359	-	-
7.	Himachal Pradesh	-	-	1	21
8.	Karnataka	8	1,765	4	1,904
9.	Madhya Pradesh	39	1,564	57	705
10.	Maharashtra	9	696	4	54
11.	Meghalaya	-	-	5	359
12.	Orissa	7	151	28	1,236
13	Rajasthan	196	27,640	201	33,242
14.	Tamil Nadu	1	1	4	4
15.	Uttar Pradesh	16	94	34	949
16.	West Bengal	2	17	-	-
	Total	**333**	**33,989**	**388**	**50,700**

Area figures rounded off.
1/ Exclude prospecting licences over large area.

4.2. MINERAL-WISE DISTRIBUTION OF PROSPECTING LICENCES :

Mineral-wise, in 2000-01, as many as 50 prospecting licences were executed for soapstone/steatite followed by dolomite and limestone (36 each), calcite (15), graphite and quartz (7 each), barytes and pyrophyllite (6 each), gypsum (5), fireclay (4), china clay, iron ore, laterite, rock phosphate and tin ore (3 each), felspar, jasper, shale and white clay (2 each) and bismuth, clay, garnet, lead and zinc ore , limeshell, magnesite, mica, ochre, quartzite, silica sand and white quartz (1 each). Other minerals in association accounted for 182 licences, i.e. 47% of the total licences executed during 2000-01.

Prospecting licences (PL) are executed for individual mineral or group of associated minerals depending upon their nature of occurrence such as iron and manganese ore, mica, felspar and quartz, copper, lead & zinc ore, dolomite and limestone and vice versa, etc., Number of prospecting licences executed mineral-wise during 1999-2000 and 2000-01 (Table 14).

Table - 14: MINERAL-WISE DISTRIBUTION OF PROSPECTING LICENCES EXECUTED DURING 1999-2000 AND 2000-01
(By Minerals)

Sl. No.	Mineral/s	1999-2000		2000-01	
		Nos.	Area in Hects.	Nos.	Area in Hects.
1.	Barytes	4	626	6	635
2.	Bismuth	-	-	1	423
3.	Calcite	3	391	15	1,829
4.	China clay	5	360	3	26
5.	Clay	-	-	1	3
6.	Dolomite	15	204	36	588
7.	Felspar	3	35	2	61
8.	Fire clay	5	15	4	17
9.	Garnet	2	150	1	219
10.	Graphite	-	-	7	445
11.	Gypsum	1	3	5	1,900
12.	Iron ore	4	1,350	3	50
13.	Jasper	-	-	2	630
14.	Laterite	1	5	3	82
15.	Lead & zinc ore	-	-	1	2,416
16.	Lime shell	1	1	1	24
17.	Limestone	13	3,219	36	9,511
18.	Magnesite	2	130	1	32
19.	Manganese ore	1	21	-	-
20.	Mica	-	-	1	14
21.	Moulding sand	1	23	-	-
22.	Nephylene syenite	1	75	-	-
23.	Ochre	4	18	1	12
24.	Pyrophyllite	1	4	6	474
25.	Quartz	14	758	7	898
26.	Quartzite	-	-	1	31
27.	Rock phosphate	-	-	3	1,000
28.	Shale	1	151	2	350
29.	Silica sand	1	2	1	43
30.	Semi-precious stones	30	44	-	-
31.	Soapstone/steatite	22	1,594	50	2,795
32.	Tin ore	2	36	3	50
33.	White clay	1	32	2	5
34.	White quartz	3	6	1	2
35.	Minerals in association With one or more.	192	24,737	182	26,135
	Total	**333**	**33,989**	**388**	**50,700**

Area figures rounded off.

4.3. AREA-WISE DISTRIBUTION OF PROSPECTING LICENCES:

Area-wise analysis indicate that limestone occupied the first place with an area of 9,511 hect., followed by soapstone/steatite (2,795 hect.), lead & zinc ore (2,416 hect.), gypsum (1,900 hect.), calcite (1,829 hect.), rock phosphate (1,000 hect.), quartz (898 hect), barytes (635 hect.), jasper (630 hect.), dolomite (588 hect.), pyrophyllite (474 hect.), graphite (445 hect.), bismuth (423 hect.), shale (350 hect.) and garnet (219 hect.). Other minerals covered less than 100 hectares. However, other associated minerals occupied 26,135 hect. accounting for 51.55% area covered under prospecting licences.

4.4 SECTOR-WISE DISTRIBUTION OF PROSPECTING LICENCES:

Out of the 388 number of prospecting licences executed during 2000-01 the share of public sector was 12 in number or about 3.10% as compared to 9.60% in previous year. The remaining 376 prospecting licences were executed in private sector or 96.90% as compared to 90.40% in the previous year. The distribution of prospecting licences and areas covered in hectares sector-wise during 1998-99 to 2000-01 is given in Table-15.

TABLE-15: DISTRIBUTION OF PROSPECTING LICENCES IN PUBLIC AND PRIVATE SECTORS

Sector	1998-99		1999-2000		2000-01	
	No.	Area in Hect.	No.	Area in Hect.	No.	Area in Hect.
Total	204	29,862	333	33,989	388	50,700
Public	8	178	32	80	12	9,209
Private	196	29,684	301	33,909	376	41,491
Public %	3.92	0.60	9.60	0.24	3.10	18.16
Private %	96.08	99.40	90.40	99.76	96.90	81.84

5. RECONNAISSANCE PERMITS (PROSPECTING LICENCES OVER LARGE AREAS)

Following the issue of guidelines in October, 1996 for grant of prospecting licences over large area, the provision of Reconnaissance Permits (RP) took effect from 20.12.1999 under MM(DR), Act,1957 and from 18.1.2000 under the rules i.e. Mineral Concession Rules, 1960 and Mineral Conservation and Development Rules,1988 made under the Act. Reconnaissance Permit (RP) is a permit granted for the purpose of undertaking "reconnaissance operations" which means any operations undertaken for preliminary prospecting of a mineral through regional, aerial, geophysical or geo-chemical surveys and geological mapping, but does not include pitting, trenching, drilling (except drilling of bore-holes on a grid specified from time to time by Central Government) or sub-surface excavation.

Approvals have been granted by Central Government to 39 reconnaissance permits covering a total area of 49,249 sq. km.in 2000-01 in the States of Andhra Pradesh, Karnataka and Rajasthan for precious and high value minerals like diamond, gold, silver, platinum group of metals and associated minerals; non-ferrous minerals like copper ore, lead & zinc ore and strategic minerals/ore like nickel, tungusten, antimony, cadmium, bismuth arsenic cobalt, molybdenum and associated minerals.

The 12 companies which have been accorded approvals for grant of reconnaissance permits include M/s Adamas India Pvt. Ltd., M/s ACC-RIO-TINTO Exploration Ltd., M/s AMIL Mining India Pvt. Ltd., M/s CRA Exploration India Pvt. Ltd., M/s De-Beers India Prospecting Pvt. Ltd., M/s Geomysore Services (India) Pvt. Ltd., M/s Hutti Gold Mines Co. Ltd., M/s Metmin Finance & Holdings Pvt. Ltd., M/s National Mineral Development Corporation Ltd., M/s Pasminco Exploration India Pvt. Ltd., M/s Phelps Dodge Exploration India Pvt. Ltd. and M/s Ramgad Minerals and Mining Pvt. Ltd.

5.1 MINERAL-WISE DISTRIBUTION OF RECONNAISSANCE PERMITS

Four companies were granted 12 RP's for copper, lead, zinc, gold, silver, bismuth, cadmium & associated minerals covering an area of 11,672 sq. km. (24 %) as compared to 10 companies covering an areas of 19,528 sq. km. (80.94%) in the previous year. Only one licence has been granted for diamond covering an area of 2,300 sq. km. (5%) as compared to 4,600 sq. km. (19%) in the previous year. Nineteen RP's were granted exclusively for diamond and associated minerals covering an area of 24,349 sq. km (49%) and seven RP's were granted for gold and associated minerals covering an area of 10,928 sq. km. (22%) during 2000-01. Tables 16 to 18. The details of reconnaissance permits granted/executed during 2000-01 are furnished in Annexure-I.

Concld.

Sl. No.	Company	1999-2000		2000-01	
		Nos.	Area in sq.km.	Nos.	Area in sq.km.
8.	Hindustan Zinc Ltd., Yashad Bhavan, Udaipur.	3	3,170	-	-
9.	Hutti Gold Mines Co. Ltd., 1/5 Ulsoor Road, Banalore –560 042.	-	-	1	1,135
10.	Ingliwood Minerals Pvt. Ltd., D-19, Press Enclave, Saket, New Delhi-110 017.	5	9,259	-	-
11.	Metmin Finance & Holdings Pvt.Ltd., 161/162, Mittal Court, 'A' Wing, Nariman Point, Mumbai-400 021.	-	-	3	1,431
12.	National Mineral Development Corporation Ltd.,10-3-311/A, Castle Hillls, Masab Tank, Hyderabad- 500 028.	-	-	1	2,300
13.	Pasminco Exploration India Pvt. Ltd., A/320, Defence Colony, New Delhi -110 024	-	-	1	592
14.	Phelps Dodge Exploration India Pvt. Ltd., B-1 Defence Colony, New Delhi 110 024	-	-	4	7,046
15.	Ramgad Minerals & Mining (P) Ltd., Nehru Co-operative Colony, Hospet-583 203	-	-	1	1,233
	Total	**18**	**24,128**	**39**	**49,249**

ANNEXURE -I

RECONNAISSANCE PERMITS APPROVED BY THE MINISTRY OF MINES/GRANTED/EXECUTED BY THE VARIOUS STATE GOVERNMENTS FOR INDIAN & FOREIGN COMPANIES DURING 2000-01

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In Sq. Km.)	Date of approval/ grant/ permission	Date of execution	Period in years
		State	District					
1.	ACC-RIO TINTO Exploration Ltd., RCD, ACC-CRS Complex, LBS Marg, Thane (West) 400 604.	Karnataka	Bellary, Chitradurga, Davanagere & Tumkur	Diamond and associated minerals	2,480.00	i) 25.07.2000 ii) 11.09.2000	24.10.2000	03
2.	ACC-RIO TINTO Exploration Ltd., RCD, ACC-CRS Complex, LBS Marg, Thane (West) 400 604.	Karnataka	Chitradurga & Tumkur	Diamond and associated minerals	1,320.00	i) 25.07.2000 ii) 11.09.2000	24.10.2000	03
3.	Adamas India Pvt. Ltd., Advanced Business Center, 83, Makers Chambers –VI, Nariman Point, Mumbai 400 021	Karnataka	Bellary, Chitradurga & Davanagere.	Diamond and associated minerals	1,966.22	i) 25.07.2000 ii) 11.09.2000	07.05.2001	03
4.	Adamas India Pvt. Ltd., Advanced Business Center, 83, Makers Chambers –VI, Nariman Point, Mumbai 400 021	Karnataka	Gulbarga & Raichur	Diamond and associated minerals	1000.00	i) 25.07.2000 ii) 11.09.2000	07.05.2001	03
5.	Adamas India Pvt. Ltd., Advanced Business Center, 83, Makers Chambers –VI, Nariman Point, Mumbai 400 021	Karnataka	Chitradurga	Diamond and associated minerals	817.50	i) 25.07.2000 ii) 11.09.2000	07.05.2001	03
6.	Adamas India Pvt. Ltd., Advanced Business Center, 83, Makers Chambers –VI, Nariman Point, Mumbai 400 021	Karnataka	Gulbarga	Diamond and associated minerals	2000.50	i) 25.07.2000 ii) 11.09.2000	07.05.2001	03

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In Sq. Km.)	Date of approval/ grant/ permission	Date of execution	Period in years
		State	District					
7.	Adamas India Pvt. Ltd., Advanced Business Center, 83, Makers Chambers –VI, Nariman Point, Mumbai 400 021	Karnataka	Gulbarga & Raichur	Diamond and associated minerals	2000.00	i) 25.07.2000 ii) 11.09.2000	07.05.2001	03
8.	AMIL Mining India Pvt. Ltd., D-19, Press Enclave, Saket, New Delhi 110 017.	Andhra Pradesh	Anantapur	Diamond, gold and other associated minerals	1028.00	i) 01.01.2001 ii) 10.01.2001	--	03
9.	AMIL Mining India Pvt. Ltd., D-19, Press Enclave, Saket, New Delhi 110 017.	Andhra Pradesh	Anantapur & Kurnool	Diamond and other associated minerals	481.00	i) 22.01.2001 ii) 05.03.2001	--	03
10.	CRA Exploration (India) Pvt. Ltd., 12th Floor, Gopal Das Bhavan, 28, Barakhamba Road, New Delhi 110 001.	Andhra Pradesh	Anantapur	Diamond, gold, silver, bismuth and cadmium	2,170.00	i) 01.01.2001 ii) 10.01.2001	--	03
11.	CRA Exploration (India) Pvt. Ltd., 12th Floor, Gopal Das Bhavan, 28, Barakhamba Road, New Delhi 110 001.	Andhra Pradesh	Anantapur & Kurnool	Diamond, gold, silver, bismuth and cadmium	2,236.75	i) 01.01.2001 ii) 10.01.2001	--	03
12.	CRA Exploration (India) Pvt. Ltd., 12th Floor, Gopal Das Bhavan, 28, Barakhamba Road, New Delhi 110 001.	Andhra Pradesh	Anantapur & Kurnool	Diamond & other precious minerals including gold, bismuth and cadmium	2,760.00	i) 01.01.2001 ii) 10.01.2001	--	03
13.	CRA Exploration (India) Pvt. Ltd., 12th Floor, Gopal Das Bhavan, 28, Barakhamba Road, New Delhi 110 001.	Andhra Pradesh	Anantapur & Kurnool	Diamond & other precious minerals	2,160.00	i) 01.01.2001 ii) 10.01.2001	--	03
14.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Anantapur	Diamond and other associated minerals	300.00	i) 01.01.2001 ii) 10.01.2001	--	03

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In.Sq. Km.)	Date of approval/ Grant/ Permission	Date of execution	Period in years
		State	District					
15.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Kurnool	Gold, diamond and other associated minerals	1,635.00	i) 22.01.2001 ii) 13.02.2001	--	03
16.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Kurnool	Diamond and other associated minerals	843.00	i) 01.01.2001 ii) 10.01.2001	--	03
17.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Kurnool & Mahabubnagar	Gold, diamond and other associated minerals	2000.00	i) 05.02.2001 ii) 28.02.2001	--	03
18.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Kurnool & Prakasam	Gold, diamond and other associated minerals	2000.00	i) 22.01.2001 ii) 13.02.2001	23.03.2001	03
19.	De-Beers Inda Prospecting Pvt. Ltd., Advanced Business Centre, 83,, Maker Chambers, VI, Nariman Point, Mumbai 400 021.	Andhra Pradesh	Kurnool & Prakasam	Gold, diamond and other associated minerals	2,333.00	i) 01.01.2001 ii) 10.01.2001	23.03.2001	03
20.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Karnataka	Gulbarga	Diamond and associated minerals	125.00	i) 25.07.2000 ii) 11.09.2000	03.11.2000	03
21.	Geomysore Services (India) Pvt.Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Karnataka	Kolar	Diamond and associated minerals	220.00	i) 03.11.2000 ii) 09.01.2001	02.03.2001	03

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In Sq. Km.)	Date of approval/ Grant/ Permission	Date of execution	Period in years
		State	District					
22.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Karnataka	Raichur	Diamond and associated minerals	315.00	i) 25.07.2000 ii) 11.09.2000	03.11.2000	03
23.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Karnataka	Bellary & Davanagere	Diamond and associated minerals	126.00	i) 25.07.2000 ii) 11.09.2000	03.11.2000	03
24.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Andhra Pradesh	Anantapur	Gold, diamond, copper, lead, zinc, silver, nickel, tungsten, antimony, bismuth, arsenic, cobalt, molybdenum & platinum group of metals.	260.00	i) 01.01.2001 ii) 10.01.2001	02.02.2001	03
25.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Andhra Pradesh	Anantapur (Kothapalli Block)	Gold, copper , lead, zinc, silver, nickel, tungsten, antimony, bismuth, arsenic, cobalt, molybdenum & platinum group of metals.	375.00	i) 01.01.2001 ii) 10.01.2001	--	03
26.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Andhra Pradesh	Chittoor (Tamballapalli Block)	Gold, copper, lead, zinc, silver, nickel, tungsten, antimony, bismuth, arsenic, cobalt, molybdenum & platinum group of metals.	240.00	i) 01.01.2001 ii) 10.01.2001	--	03

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In Sq. Km.)	Date of approval/ Grant/ Permission	Date of execution	Period in years
27.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Andhra Pradesh	Cuddapah (Veligallu Block)	Gold, copper, lead, zinc, silver, nickel, tungsten, antimony, bismuth, arsenic, cobalt, molybdenum & platinum group of metals.	350.00	i) 01.01.2001 ii) 10.01.2001	01.02.2001	03
28.	Geomysore Services (India) Pvt. Ltd., 120/45, 3rd Block, 6th Cross, 6th Main, Thyagarajanagar, Bangalore 560 028	Andhra Pradesh	Nellore	Gold, copper, lead, zinc, silver, nickel, tungsten, antimony, bismuth, arsenic, cobalt, molybdenum & platinum group of metals.	1,970.00	i) 22.01.2001 ii) 12.02.2001	--	03
29.	Hutti Gold Mines Co. Ltd., 1/5 Ulsoor Road, Banalore 560 042.	Karnataka	Tumkur	Gold and associated minerals	1,135.29	i) 04.10.2000 ii) 10.01.2001	--	03
30.	Metmin Finance & Holdings Pvt. Ltd., 161/162 Mittal Court, 'A' Wing, Nariman Point, Mumbai 400 021..	Karnataka	Chamrajnagar & Mysore	Gold , copper and associated minerals	680.00	i) 04.10.2000	--	03
31	Metmin Finance & Holdings Pvt. Ltd., 161/162 Mittal Court, 'A' Wing, Nariman Point, Mumbai 400 021..	Karnataka	Hassan & Tumkur	Gold , copper and associated minerals	522.50	i) 03.11.2000	24.07.2001	03
32.	Metmin Finance & Holdings Pvt. Ltd., 161/162 Mittal Court, 'A' Wing, Nariman Point, Mumbai 400 021..	Rajasthan	Sikar	Gold , copper and associated minerals	228.31	i) 08.12.2001 ii) 30.01.2001	--	03
33.	National Mineral Development Corporation Ltd., 10-3-311/A Castle Hillls, Masab Tank, Hyderabad 500 028.	Andhra Pradesh	Anantapur	Diamond	2300.00	i) 01.01.2001 ii) 10.01.2001	01.03.2001	03

Sl. No.	Name and address of the permittess	Location		Mineral (s)	Area (In Sq. Km.)	Date of approval/ grant/ permission	Date of execution	Period in years
34.	Pasminco Exploration India Pvt. Ltd., A/320, Defence Colony, New Delhi 110 024	Rajasthan	Jaipur & Sikar	Gold, copper and associated minerals	591.45	i) 08.12.2001 ii) 31.01.2001	--	03
35.	Pasminco Exploration India Pvt. Ltd., B-1 Defence Colony, New Delhi 110 024	Andhra Pradesh	Cuddapah	Copper, lead, zinc, silver., gold, barytes and associated minerals	2,770.00	i) 01.01.2001 ii) 10.01.2001	22.03.2001	03
36.	Phelps Dodge Exploration India Pvt. Ltd., B-1 Defence Colony, New Delhi 110 024	Andhra Pradesh	Cuddapah	Copper, lead, zinc, silver., gold, barytes and associated minerals	2,565.00	i) 01.01.2001 ii) 10.01.2001	22.03.2001	03
37.	Phelps Dodge Exploration India Pvt. Ltd., B-1 Defence Colony, New Delhi 110 024	Rajasthan	Dausa	Copper, lead, zinc, silver., gold, and associated minerals	683.72	i) 29.12.2000 ii) 02.02.2001	--	03
38.	Phelps Dodge Exploration India Pvt. Ltd., B-1 Defence Colony, New Delhi 110 024	Rajasthan	Dungarpur & Udaipur	Copper, lead, zinc, silver., gold, and associated minerals	1,027.50	i) 15.01.2001	--	03
39.	Ramgad Minerals & Mining (P) Ltd., Nehru Co-operative Colony, Hospet 583 203	Karnataka	Bellary, Gadag & Haveri	Gold & associated minerals	1,233.05	i) 29.12.2000 ii) 18.04.2001	--	03

Note : **i) Date of approval from Central Government**
ii) Date of grant of State Government