



STATISTICS OF MINES IN INDIA VOLUME –II (NON-COAL) 2010



खान सुरक्षा महानिदेशालय
Directorate-General of Mines Safety
श्रम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
भारत सरकार
Government of India

STATISTICS OF MINES IN INDIA

VOLUME-I (NON-COAL)

2010

DIRECTORATE-GENERAL OF MINES SAFETY

MINISTRY OF LABOUR & EMPLOYMENT

GOVERNMENT OF INDIA

प्रस्तावना

खान सुरक्षा महानिदेशालय (खा. सु. म. नि.) खान अधिनियम, 1952 में वर्णित प्रावधान के अनुसार कोयला, धातु एवं तेल खानों से विविध प्रकार के वैधानिक विवरण एवं सूचनाएँ प्राप्त करता है। आँकड़े जो वर्ष 2010 के लिए इस प्रकाशन में प्रस्तुत किए गए हैं वो सिर्फ धातु एवं तेल खानों के लिए हैं और खान अधिनियम 1952 के अन्तर्गत तैयार किए गए धातुमय खान विनियम 1961 के विनियम 5 एवं तेल खान विनियम 1984 के अन्तर्गत प्राप्त विवरणों पर आधारित है।

इस खंड में आकृतपुट डाटा, उत्पादित खनिजों का मूल्य तथा विविध प्रकार के खनिजों जिनमें तेल एवं गैस शामिल हैं, के खनन में नियोजन औसत साप्ताहिक मजदूरी, श्रम उपार्जन के सूचकांक की सारिणी, हेवी अर्थ मूविंग मशीन का इस्तेमाल, विस्फोटक आदि का उपभोग भी शामिल है। धातु एवं तेल के खानों में प्राणघातक एवं गंभीर दुर्घटनाओं के संदर्भ में सूचना को भी इस प्रकाशन में शामिल किया गया है। इसके अतिरिक्त वर्ष 2010 के दौरान धातु एवं तेल के खानों में घटित प्रत्येक प्राणघातक दुर्घटना के संबंध में डी. जी. एम. एस. के अधिकारियों द्वारा सम्पादित जाँच के नतीजों का संक्षिप्त वर्णन भी दिया गया है। इस प्रकाशन में चार या उससे अधिक मृत्यु की सूची तथा वर्ष 1901 से तेल एवं धातु के खानों में घटित विभिन्न दुर्घटनाओं के लिए गठित जाँच न्यायालयों की अद्यतन सूची को भी शामिल किया गया है।

चूँकि अधिकांश धातु उत्पादक खानें असंगठित क्षेत्र में हैं और उनमें से अधिकांश मौसमी है इसलिए उनसे प्राप्त विवरणी की संख्या वर्ष के दौरान कार्य करने वाली खानों की संख्या की तुलना में कम है। इस खंड में प्रकाशित डाटा प्रतिवेदन देने वाले खानों की सूचना पर आधारित है। हम इसकी खामियों से भिन्न हैं तथा इस क्षेत्र के कवरेज को बढ़ाने का प्रयास कर रहे हैं। इसकी सीमाबद्धता के बावजूद आशा है कि यह खंड धातु एवं तेल खनन उद्योग से परोक्ष या अपरोक्ष रूप से जुड़े सभी व्यक्तियों के लिए लाभकारी होगा।

इस खंड में सुधार सम्बन्धित यदि कोई सुझाव हो तो उसका स्वागत है।

अक्टूबर, 2014
धनबाद ।

१.३६
राहुल गुहा
खान सुरक्षा महानिदेशक

PREFACE

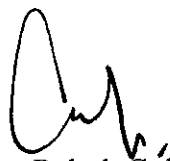
Directorate-General of Mines Safety (DGMS) receives various statutory returns and notices from coal, metal and oil mines falling under the purview of the Mines Act, 1952. The statistics presented in this publication for the year 2010 are in respect of metalliferous and oil mines only and are based on returns received under Regulation 5 of the Metalliferous Mines Regulation, 1961 and the Oil Mines Regulations, 1984 framed under the Mines Act, 1952.

This volume contains data on output, value of minerals raised and corresponding employment in mining of different types of minerals, including oil & gas. It also contains information on average weekly wages, index of labour earnings, use of heavy earth moving machineries, consumption of explosives etc. Information in respect of fatal and serious accidents in metalliferous and oil mines is also included in this volume. In addition, it also contains brief description of findings of enquiry conducted by officers of DGMS in respect of each and every fatal accident that occurred in metal and oil mines during the year, 2010. An updated list of 4 or more deaths and a list of court of enquiries held for different accidents in metal and oil mines since 1901 are also included in this publication .

Since a large number of metalliferous mines are in the unorganized sector and many of them are seasonal in nature, the number of returns received is less as compared to the number of mines worked during the the year. Data published in this volume is based only on the information furnished by reporting mines. We are aware of the shortcomings and are making efforts to increase the coverage of this sector. In spite of its limitations, it is hoped that this volume will be useful to all persons connected directly or indirectly with the metalliferous and oil mining industry.

Suggestions, if any, for improvement of the volume are welcome.

October, 2014.
Dhanbad.


Rahul Guha
Director General of Mines Safety

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INTRODUCTION

Statistics presented in this publication relate to mines coming under the purview of Mines Act, 1952 and submitting annual returns in form III under the Regulation 5 of the Metalliferous Mines Regulations 1961, Regulation 5 of Oil Mines Regulations, 1984. The Regulations cover all Metalliferous and Oil mines except those exempted from the provisions of the Mines Act 1952 and extend to the whole of Indian Union. The information presented does not cover the employment and output of the atomic minerals. Taking into account the quality and value of the mineral granite as compared to that of stone, it is being compiled separately with effect from the year 1992. The fact may be noted down while making a comparison of data of stone over a period of time.

The Statistics of Non-Coal mines had been presented mainly in five sections as follows:

Section- I. Employment and output of non-coal mines.

Section- II. Usage of machineries in non-coal mines.

Section-III. Consumption of explosives in non-coal mines.

Section- IV. Accidents and resultant casualties in non-coal mines and Summary of findings of statutory enquiries conducted into fatal accidents in non-coal mines occurred during the year, 2010.

Section- V. Miscellaneous compilation

SECTION - I

Employment figures presented in the section cover all persons employed in mines as defined in section 2 (h) of Mines Act, 1952 whether employed on permanent or temporary basis, direct or through contractors and include clerical and supervisory staff. They however, exclude the senior supervisory staff like Manager, Agent etc.

The employment figures represented as average daily employment is derived by dividing total manshift worked by the mine in a year by the total number of working days of the mine during the year. These figures and the output presented in the section are compiled from the annual returns submitted and had been added for districts, states and minerals. It may be noted that the output figures presented in the publication refer to the mines coming under the purview of Mines Act, 1952 and returns received at this. These figures, therefore, do not represent the total output of mineral or of any territory whatsoever and are valid only for comparison with other statistics presented herein. For a complete picture of output, references may be made to the publications of Indian Bureau of Mines, Nagpur.

For the year 2010, annual returns have been processed for 2043 returns of non-coal mines out of which 82 are from oil mines/ projects.

Statement No. 1.1 indicates the trend in employment, output and value of some selected non-coal minerals.

Statement No. 1.2 gives district-wise, state-wise and mineral-wise details of average daily employment, output and value of mineral for all the metalliferous mines.

Statement No. 1.3 gives category wise average daily employment by place of workings for different states and minerals.

Statement No. 1.4 gives statewise details of number of mines, average daily employment, output and value of minerals for metalliferous mines.

Statement No. 1.5 gives the details of number of mines, average daily employment and output in oil mines.

Statements No. 1.6. and 1.7 present the classification of non-coal mines by size of their overall employment, and classification of belowground mines by size of their belowground and overall employment respectively.

Statement No. 1.8 gives the number of mines, average daily employment, explosives & machineries used, output and values of minerals under different field offices of the Directorate-General of Mines Safety.

Statement No. 1.9 gives average daily employment, explosives and horse power of H.E.M.M and Electrical machineries used, output and value of minerals produced by the owners of organised sector. All the public sector companies have been included in the organised sector. Some private sector companies fulfilling at least one of the following criteria have also been included in this sector: -

- i) having 10 or more mines.
- ii) employing 1000 or more persons.
- iii) using 10,000 or more HEMM horse power.
- iv) using 5,000 or more electrical horse power.

SECTION- II

This section deals with usage of machineries in non-coal mines during the year under report and has been presented in statement No. 2.1 to 2.6 while statement No. 2.2 and 2.3 give statistics for electrical machineries installed at above ground and below ground workings respectively. Statement No. 2.4 presents details of heavy earth moving machineries used in non-coal mines. Statement No. 2.5 gives the details of electrical machineries and diesel compressors installed in oil mines. Statement No. 2.6 gives information about the usage of various types of drills and diesel compressors.

SECTION-III

This section gives information regarding trend of consumption of various types of explosives and detonators in metalliferous mines including the year under report and has been presented in statement No. 3.1.

Statement 3.2 gives mineral-wise and state-wise information regarding consumption of various types of explosives and detonators in metalliferous mines during the year under report.

SECTION-IV

Statistics of accidents are compiled from the Notices of accidents submitted to the Directorate-General of Mines Safety as required under the provision of Regulation 9 of Metalliferous Mines Regulations, 1961, Regulation 7 of Oil Mines Regulations 1984 and from the reports of officers who enquired into each and every fatal accidents.

Fatal accidents are those accidents in which at least one death is involved. Serious bodily injury is defined as any injury which involved or in all probability will involve the permanent loss of any part or section of a body or a body or the use of any part or section of a body or the permanent loss of or injury to the sight or hearing or any permanent physical incapacity or the fracture of any bone or one or more joints or bones of any phalanges of hand or foot.

Cases in which neither any life is lost nor any person is seriously injured but could have been happened so, had the persons been present at the spot of accident, are covered under the category “Dangerous Occurrences”.

The introduction of new classification codes for place of accidents and cause of accidents for computerization of accidents data has been adopted with effect from the year 1989. These new classification of codes have been used for cause and place of fatal and serious accidents in all the statements.

SECTION-V

Statement No. 5.1 gives mineral-wise and state-wise details of average weekly cash earnings for various categories of workers by place of workings. This is based on the quarterly returns in form II received for the quarter ending December 2010.

Index of labour earnings constructed with the base 1975 as 100 have been presented in Statement No. 5.2. Indices have been calculated using Laspeyre’s formula.

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Notes: 1. Figures of Andhara Pradesh available in state-wise tables includes that of the state Telangana also. The state Telangana was not formed during 2010.

2. Statements where the word “trend” is not mentioned in the heading relate to the year 2010 only.

3. Statements which do not show mineral-wise figures are marked with an asterisk ().*

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Notes: 1. Figures of Andhara Pradesh available in state-wise tables includes that of the state Telangana also. The state Telangana was not formed during 2010.

2. Statements where the word "trend" is not mentioned in the heading relate to the year 2010 only.

3. Statements which do not show mineral-wise figures are marked with an asterisk (*).

SECTION – I

EMPLOYMENT

AND

OUTPUT

Statement 1.1: Trend in employment and output of some major minerals

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bauxite	1951	11	--	760	250	1,010	56	1
	1961	31	--	2,745	301	3,046	476*	5
	1971	58	14	4,128	673	4,815	1,449	18
	1981	48	--	3,586	731	4,317	1,747	81
	1991	80	--	3,968	959	4,927	3,862	599
	2000	100	--	4,391	996	5,387	6,387	1,339
	2001	98	--	3,739	823	4,562	7,020	1,710
	2002	88	--	3,748	793	4,541	8,967	1,563
	2003	91	--	4,215	714	4,929	10,652	1,809
	2004	85	--	5,423	632	6,055	9,298	1,859
	2005	79	--	4,280	641	4,921	9,178	1,893
	2006	73	--	4,416	584	5,000	9,231	2,226
	2007	82	--	4,779	689	5,468	10,848	2,849
	2008	86	--	4,893	752	5,645	16,991	4,415
	2009	89	--	5,733	840	6,573	12,452	4,038
	2010	93	--	5,766	876	6,642	13,324	5,165
Copper	1951	4	2,264	--	1,446	3,710	375	19
	1961	4	2,868	9	1,311	4,188	423*	23
	1971	12	5,166	--	2,434	7,600	680	53
	1981	14	8,722	574	4,083	13,379	2,011	345
	1991	13	7,972	938	3,934	12,844	5,048	1,982
	2000	10	4,089	392	2,399	6,880	3,209	1,958
	2001	8	2,613	262	1,124	3,999	3,538	1,943
	2002	8	2,712	252	919	3,343	3,197	1,898
	2003	8	1,153	238	1,133	2,524	2,844	1,792
	2004	5	1,129	264	667	2,060	3,096	1,172
	2005	4	987	310	636	1,933	2,660	1,120
	2006	4	1,042	275	638	1,955	3,104	1,703
	2007	5	1,608	235	621	2,464	3,274	1,974
	2008	5	1,637	237	738	2,612	3,061	2,340
	2009	5	1,892	255	915	3,062	3,091	2,378
	2010	5	1,692	243	964	2899	3,944	3,480
Galena & Sphalarite	1951	1	73	--	391	464	15	N.A.
	1961	2	N.A.	N.A.	N.A.	N.A.	15 *	4
	1971	3	1,123	--	965	2,088	297	7
	1981	6	2,133	88	546	2,767	960	95
	1991	13	3,533	231	2,481	6,245	1,816	543
	2010							
	2000	12	2,616	--	2,646	5,262	3,319	2,111
	2001	12	2,251	309	2,651	5,211	1,765	1,804
	2002	12	2,017	283	2,196	4,496	3,183	3,564
	2003	12	1,348	602	1,577	3,527	3,534	1,782
	2004	11	1,114	613	2,049	3,776	3,525	2,025
	2005	12	1,040	709	1,481	3,230	4,400	2,219
	2006	11	1,183	342	1,752	3,277	4,232	2,920
	2007	11	1,148	379	1,773	3,300	5,065	4,030
	2008	11	1,201	460	1,609	3,270	7,022	6,179
	2009	11	1,273	484	1,606	3,363	11,742	9,786
	2010	11	1,298	484	1,702	3,484	11,760	9,748

Statement 1.1: Trend in employment and output of some major minerals

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Gold Ore	1951 ^s	6	13,022	--	8,850	21,672	5,420	68
	1961 ^s	4	9,792	--	6,503	16,295	4,868*	59
	1971	4	8,183	--	4,175	12,358	595,043	81
	1981	10	7,641	--	4,644	12,295	503,376	186
	1991	9	5,359	--	3,973	9,332	468,072	730
	2000	9	3,124	102	2,112	5,338	583,186	1,269
	2001	6	1,842	93	1,683	3,618	488,921	1,209
	2002	6	1,727	89	1,526	3,342	622,083	1,489
	2003	4	1,275	60	1,412	2,747	732,636	1,922
	2004	3	1,315	53	1,359	2,727	700,094	2,162
	2005	4	1,544	--	1,569	3,113	623,314	2,350
	2006	4	1,593	--	1,543	3,136	595,760	2,104
	2007	4	1,514	--	1,551	3,065	370,081	1,326
	2008	4	1,456	--	1,604	3,060	647,918	3,607
	2009	4	499	--	1,529	2,028	623,120	3,459
	2010	4	1,536	--	1,500	3,036	681,872	4,606
Granite	2000	145	--	4,438	859	5,297	346	1,346
	2001	142	--	4,110	1,901	6,011	395	1,942
	2002	166	28	4,519	1,445	5,992	339	2,543
	2003	154	--	4,846	1,366	6,212	471	3,986
	2004	165	--	5,108	1,645	6,753	619	4,419
	2005	179	--	5,456	1,720	7,176	902	5,177
	2006	177	--	5,488	1,945	7,433	1,092	7,064
	2007	186	--	6,240	1,875	8,115	1,441	11,502
	2008	195	--	6,222	1,967	8,189	1,409	10,517
	2009	200	--	6,560	2,091	8,651	1,366	10,446
	2010	206	--	7,275	2,020	9,295	1,539	12,873
Iron Ore	1951	34	2	13,308	6,408	19,718	3,714	21
	1961	225	--	41,003	13,507	54,540	12,270*	102
	1971	244	45	39,100	13,376	52,821	32,974	373
	1981	205	--	29,390	15,543	44,933	42,779	1,312
	1991	190	--	24,532	15,518	40,050	60,032	6,418
	2000	218	--	20,729	14,564	35,293	84,770	20,481
	2001	207	--	18,529	13,776	32,305	90,476	22,064
	2002	207	--	20,491	13,166	33,657	99,813	27,841
	2003	221	--	20,137	15,686	35,823	118,813	35,560
	2004	235	--	22,520	16,087	38,607	135,755	51,592
	2005	256	--	22,270	15,207	37,477	155,425	75,524
	2006	244	--	23,680	17,885	41,565	193,495	99,046
	2007	257	--	23,959	1,7822	41781	235,763	141,769
	2008	292	--	25,970	18,958	44,828	230,638	181,739
	2009	309	--	27,729	19,471	47,200	231,021	202,950
	2010	327	12	26,803	20,496	47,311	256,302	221,220
Limestone	1951	59	--	13,169	2,811	15,980	2,965	10
	1961	175	5	47,076	7,585	54,666	14,346*	67
	1971	261	2	44,295	8,944	53,241	25,260	227
	1981	262	--	41,032	8,738	49,770	32,555	733
	1991	340	--	34,293	9,229	43,522	75,024	3,872
	2000	452	--	22,704	8,424	31,128	148,804	12,046
	2001	422	--	18,294	5,982	24,276	147,345	11,356

Statement 1.1: Trend in employment and output of some major minerals

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2002	413	--	18,897	6,294	25,191	158,592	12,268
	2003	377	--	18,450	5,815	24,265	1,90,454	15,646
	2004	396	--	18,962	5,816	24,778	2,56,709	20,899
	2005	421	--	20,012	5,816	25,828	2,14,360	20,794
	2006	400	--	19,936	5,685	25,621	2,13,851	21,832
	2007	417	--	21,548	6,157	27,705	2,69,648	27,472
	2008	436	--	21,736	6,366	28,102	2,74,008	34,271
	2009	452	--	21,858	6,715	28,573	2,80,082	42,868
	2010	463	--	22,051	6,222	28,273	3,37,395	50,629
Manganese Ore	1951	234	800	44,459	10,272	55,531	1,180	66
	1961	416	1,773	34,345	10,923	47,041	1,230*	76
	1971	166	1,889	22,095	6,387	30,371	1,609	87
	1981	155	2,348	18,374	5,812	26,534	1,552	218
	1991	133	2,614	10,243	5,009	17,866	1,683	795
	2000	128	2,624	9,201	4,311	16,136	1,986	2,278
	2001	108	2,498	7,119	4,020	13,637	1,936	2,088
	2002	114	2,550	7,451	3,728	13,729	1,914	2,214
	2003	102	2,457	7,389	3,420	13,266	2,411	2,355
	2004	101	3,010	7,639	3,920	14,569	2,835	3,418
	2005	110	2,823	7,818	4,015	14,656	2,770	4,097
	2006	105	2,549	6,866	3,755	13,170	2,853	4,266
	2007	104	2,648	6,758	3,981	13,387	3,503	5,170
	2008	125	2,585	7,040	3,844	13,469	3,618	10,048
	2009	125	2,249	7,461	3,686	13,396	3,662	12,272
	2010	126	2,185	7,373	4,313	13,871	4,049	14,614
Mica	1951	1,106	24,370	16,802	11,024	52,196	11,822	27
	1961	808	17,004	3,616	9,015	29,635	28,347*	24
	1971	345	7,917	369	3,960	12,236	14,356	22
	1981	193	4,620	135	1,980	6,735	7,862	29
	1991	83	1,550	73	550	2,173	3,554	43
	2000	42	667	59	257	983	3,245	59
	2001	32	342	82	185	609	3,202	69
	2002	30	433	30	161	624	2,077	36
	2003	30	401	58	153	612	2,922	32
	2004	31	418	48	165	631	3,290	33
	2005	27	386	62	165	613	4,088	49
	2006	31	323	117	173	613	3,185	40
	2007	28	376	73	168	617	3,896	57
	2008	33	390	99	200	689	4,081	84
	2009	35	350	102	171	623	3,135	89
	2010	29	326	191	174	691	17,666	165
Stone	1951	57	--	3,606	1,502	5,108	715	3
	1961	113	--	4,208	4,316	8,524	1,679	10
	1971	163	--	5,463	3,318	8,781	3,808	31
	1981	174	--	4,493	3,207	7,700	4,105	81
	1991	228	--	8,273	2,970	11,243	11,635	490
	2000	206	--	4,236	2,171	6,407	15,620	970
	2001	209	--	4,208	2,082	6,290	15,151	1,031
	2002	209	--	4,837	2,964	7,801	14,863	1,066

Statement 1.1: Trend in employment and output of some major minerals

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2003	189	--	4,936	3,043	7,979	10,454	841
	2004	189	--	5,055	2,886	7,941	12,688	1,029
	2005	197	--	4,931	2,114	7,045	20,282	1,398
	2006	171	--	4,641	1,908	6,549	21,728	1,567
	2007	177	--	6,636	2,193	8,829	23,150	1,664
	2008	182	--	4,998	2,008	7,006	31,211	2,062
	2009	180	--	4,997	2,240	7,237	36,670	2,990
	2010	178	--	4,994	2,186	7,180	37,593	3,273
Total	1951	1,180	42,138	107,466	47,469	197,073	--	235
Metalliferous	1961	2,323	32,156	164,470	63,095	259,721	--	487
	1971	1,995	26,952	152,809	55,151	234,912	--	1,080
	1981	1,768	29,289	135,450	57,158	221,897	--	3,620
	1991	1,787	23,832	116,743	59,658	200,233	--	19,076
	2000	2,022	14,398	91,443	51,071	156,912	--	53,111
	2001	1,907	10,959	80,672	45,010	136,641	--	54,032
	2002	1,870	10,266	83,183	43,489	136,938	--	64,964
	2003	1,716	7,742	84,261	44,965	136,968	--	77,605
	2004	1,764	8,061	89,165	46,318	143,544	--	104,283
	2005	1,835	7,911	88,686	44,320	1,40,917	--	133,418
	2006	1,720	7,814	88,673	46,885	1,43,372	--	162,160
	2007	1,770	8,539	94,934	48,250	1,51,723	--	235,351
	2008	1,904	9,088	97,233	49,766	1,56,087	--	289,354
	2009	1,927	8,251	100,056	51,820	1,60,127	--	325,454
	2010	1,961	9,031	101,083	52,683	162,797	--	366,829
Oil	1971	13	--	--	13,573	13,573	7,193	756
	1981	8	--	--	14,548	14,548	7,920	2,748
	1991	24	--	--	35,513	35,513	9,508	15,062
							3,543(GS)	3,471
	2000	45	--	--	23,442	23,442	14,244	76,939
							7,821(GS)	16,015
	2001	43	--	--	24,481	24,481	14,564	85,176
							8,203(GS)	21,571
	2002	42	--	--	22,348	22,348	14,562	101,896
							8,024 (GS)	21,430
	2003	49	--	--	18,592	18,592	18,503	111,504
							8,494(GS)	20,393
	2004	47	--	--	19,155	19,155	16,641	148,418
							6,456(GS)	17,665
	2005	50	--	--	19,288	19,288	16,947	209,428
							6,557(GS)	21,159
	2006	44	--	--	13,932	13,932	21,125	356,215
							4,548(GS)	14,442
	2007	49	--	--	19,211	19,211	14,307	233,350
							7,612(GS)	23,594
	2008	67	--	--	23,574	23,574	14,703	258,856
							12,788(GS)	35,434
	2009	75	--	--	24,895	24,895	17,534	306,800
							15,454(GS)	44,851
	2010	82	--	--	29443	29443	22817	345,904
							15449(GS)	58,897

Statement 1.1: Trend in employment and output of some major minerals

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Non-coal	1971	2,008	26,952	152,809	68,724	248,485	--	1,856
	1981	1,776	29,289	135,450	71,706	236,445	--	6,368
	1991	1,811	23,832	116,743	95,171	235,746	--	37,609
	2000	2,067	14,398	91,443	74,513	180,354	--	146,065
	2001	1,950	10,959	80,672	69,491	161,122	--	160,779
	2002	1,912	10,266	83,183	65,837	159,286	--	188,291
	2003	1,765	7,742	84,261	63,557	155,560	--	209,503
	2004	1,811	8,061	89,165	65,473	162,699	--	270,367
	2005	1,885	7,911	88,686	63,608	160,205	--	364,005
	2006	1,764	7,814	88,673	60,817	157,304	--	532,817
	2007	1,819	8,539	94,934	67,461	170,934	--	482,295
	2008	1,971	9,088	97,233	73,340	179,661	--	583,644
	2009	2,002	8,251	100,056	76,715	185,022	--	677,105
	2010	2,043	9,031	101,083	82,126	192,240	--	771,629

Note: (i) Output is in '000 tonnes except for Gold ore, Mica and Gas for which the units are respectively tonnes and million cubic meters.

(ii) *: As compiled by Indian Bureau of Mines, Nagpur

(iii) (R) : Revised, N.A. : Not available, GS : Gas

(iv) \$: The unit is 'Kg'.

STATEMENT NO. 1.2

AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN METALLIFEROUS MINES DURING THE YEAR 2010 : STATE-DISTRICT WISE

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T				CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1. APATITE & ROCK PHOSPHATE																
	ANDHRA PRADESH Vishakapatnam	1	1	1	27	--	12	39	32	7	--	--	--	3765	7831	
	MADHYA PRADESH Jhabua	1	--	--	--	193	3	196	133	63	--	--	--	74153	69072	
	RAJASTHAN Udaipur	4	3	--	--	850	463	1313	1313	--	--	610	50	1732831	5191088	
	UTTARANCHAL Dehradun	3	3	2	67	--	229	296	296	--	--	--	--	Nil	Nil	
	WEST BENGAL Purulia	1	1	--	--	102	26	128	125	3	--	--	--	1350	980	
TOTAL : APATITE & ROCK PHOSPHA		11	9	3	94	1184	736	2014	1925	89	--	610	50	1812099	5268972	
2. ASBESTOS																
	ANDHRA PRADESH Cuddapah	4	3	3	63	60	16	139	139	--	21	--	--	15703 117 (PR) 117 (PR)	122457 516 516	
TOTAL : ASBESTOS		4	3	3	63	60	16	139	139	--	21	--	--	15703 117 (PR)	122457 516	
3. BARYTES																
	Cuddapah	2	2	1	9	303	228	540	477	63	--	9	96	2109529	1560363	
	Khammam	1	1	--	--	29	3	32	32	--	--	--	--	5325	2130	
TOTAL : ANDHRA PRADESH		3	3	1	9	332	231	572	509	63	--	9	96	2114854	1562493	
	HIMACHAL PRADESH Sirmaur	1	1	1	16	--	--	16	16	--	--	--	--	588	882	
	RAJASTHAN Udaipur	1	1	--	--	11	6	17	17	--	--	--	--	5820	2619	
TOTAL : BARYTES		5	5	2	25	343	237	605	542	63	--	9	96	2121262	1565994	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
4. BAUXITE																
	CHHATTISHGARH															
	Surguja	4	4	--	--	1627	99	1726	1566	160	--	1568	57	6390537	2953002	
	Kawardha	1	1	--	--	98	8	106	106	--	--	82	2	373649	93229	
TOTAL : CHHATTISHGARH		5	5	--	--	1725	107	1832	1672	160	--	1650	59	6764186	3046231	
	GUJARAT															
	Jamnagar	17	4	--	--	335	24	359	317	42	--	186	8	679291	187225	
	Kachchh	11	11	--	--	427	20	447	304	143	--	389	12	686993	392487	
TOTAL : GUJARAT		28	15	--	--	762	44	806	621	185	--	575	20	1366284	579712	
	JHARKHAND															
	Gumla	14	6	--	--	949	70	1019	1019	--	--	549	23	851574	354315	
														220352 (PR)	26532	
	Lohardaga	5	4	--	--	117	206	323	321	2	--	57	9	914769	361273	
	Palamau	1	1	--	--	64	5	69	69	--	--	62	3	36071	18468	
TOTAL : JHARKHAND		20	11	--	--	1130	281	1411	1409	2	--	668	35	1802414	734056	
														220352 (PR)	26532	
	KARNATAKA															
	Belgaum	1	1	--	--	9	3	12	12	--	--	7	2	3700	1492	
	Udipi	1	1	--	--	26	11	37	27	10	--	21	--	66029	7715	
TOTAL : KARNATAKA		2	2	--	--	35	14	49	39	10	--	28	2	69729	9207	
	MADHYA PRADESH															
	Chhatarpur	1	--	--	--	27	2	29	19	10	--	--	--	1929	77	
	Jabalpur	2	--	--	--	234	7	241	150	91	--	--	--	158758	74216	
	Rewa	3	1	--	--	64	1	65	60	5	--	18	--	55584	8972	
	Satna	3	--	--	--	47	8	55	45	10	--	6	--	67635	13682	
	Katni	2	--	--	--	73	4	77	53	24	--	--	--	14835	632	
	Anuppur	2	2	--	--	313	13	326	324	2	--	--	--	427470	117379	
TOTAL : MADHYA PRADESH		13	3	--	--	758	35	793	651	142	--	24	--	726211	214959	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
MAHARASHTRA																
	Kolhapur	7	5	--	--	355	32	387	307	80	--	116	4	1508049	234563	
	Ratnagiri	1	1	--	--	129	3	132	132	--	--	117	--	156846	112929	
	Raigad	7	1	--	--	209	--	209	193	16	--	183	--	410654	119922	
TOTAL : MAHARASHTRA		15	7	--	--	693	35	728	632	96	--	416	4	2075549	467414	
ORISSA																
	Koraput	2	2	--	--	361	327	688	688	--	--	145	182	23325	2542	
	Sundergarh	1	--	--	--	1	2	3	3	--	--	--	--	Nil	Nil	
TOTAL : ORISSA		3	2	--	--	362	329	691	691	--	--	145	182	23325	2542	
TAMIL NADU																
	Salem	2	--	--	--	21	11	32	32	--	--	2	5	250669	66309	
UTTAR PRADESH																
	Jhansi	1	--	--	--	19	1	20	13	7	--	--	--	100	4	
	Lalitpur	3	1	--	--	200	18	218	176	42	--	--	--	9063	13595	
														16597 (PR)	4171	
TOTAL : UTTAR PRADESH		4	1	--	--	219	19	238	189	49	--	--	--	9163	13599	
														16597 (PR)	4171	
TOTAL : BAUXITE		93	47	--	--	5766	876	6642	5981	661	--	3565	307	13087530	5134028	
														236949 (PR)	30703	
5. CALCITE																
RAJASTHAN																
	Sikar	1	1	--	--	297	98	395	323	72	--	31	--	93695	58317	
	Sirohi	1	1	--	--	332	114	446	363	83	--	53	--	138180	71720	
	Udaipur	1	1	--	--	15	3	18	18	--	--	--	--	19107	10653	
TOTAL : RAJASTHAN		3	3	--	--	644	215	859	704	155	--	84	--	250982	140690	
TOTAL : CALCITE		3	3	--	--	644	215	859	704	155	--	84	--	250982	140690	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
6. CHINA CLAY,CLAY,WHITE-CLAY																
ANDHRA PRADESH																
	Anantpur	1	--	--	--	21	--	21	21	--	--	--	--	17920	717	
	Cuddapah	2	--	--	--	73	8	81	49	32	--	--	--	93239	9966	
	Krishna	Employment with Limestone												12200	1406	
	Kurnool	1	--	--	--	8	--	8	8	--	--	--	--	8303	664	
	West Godavari	3	1	--	--	32	2	34	34	--	--	--	--	76300	5281	
														36910 (PR)	34	
TOTAL : ANDHRA PRADESH		7	1	--	--	134	10	144	112	32	--	--	--	207962	18034	
														36910 (PR)	34	
GUJARAT																
	Amreli	1	1	--	--	2	--	2	2	--	--	--	--	110288	11435	
	Banas Kantha	3	1	--	--	37	7	44	44	--	--	--	--	83831	9402	
														2402 (PR)	2943	
	Junagadh	Employment with Limestone												583603	2897	
	Kachchh	13	1	--	--	223	--	223	223	--	--	65	--	324738	89837	
	Mehasana	2	1	--	--	--	25	25	19	6	--	--	--	38300	158139	
														3440 (PR)	3973	
	Sabar Kantha	3	3	--	--	1	26	27	27	--	--	--	--	2478689	4329326	
														797534 (PR)	1315931	
	Patan	5	--	--	--	90	--	90	90	--	--	--	--	82320	9435	
TOTAL : GUJARAT		27	7	--	--	353	58	411	405	6	--	65	--	3701769	4610471	
														803376 (PR)	1322847	
HARYANA																
	Gurgaon	2	--	--	--	50	16	66	66	--	--	11	7	86592	4661	
JHARKHAND																
	Sahebganj	3	3	--	--	108	350	458	367	91	--	13	--	103675	10418	
	West Singbhum	7	5	--	--	61	136	197	138	59	--	--	--	68549	26548	
														16780 (PR)	16992	
TOTAL : JHARKHAND		10	8	--	--	169	486	655	505	150	--	13	--	172224	36966	
														16780 (PR)	16992	
KARNATAKA																
	Hassan	1	--	--	--	16	35	51	46	5	--	--	--	5227	2266	
	Shimoga	1	1	--	--	22	14	36	26	10	--	--	--	20487	8882	
	Tumkur	1	--	--	--	15	2	17	13	4	--	--	--	25860 (PR)	7229	
TOTAL : KARNATAKA		3	1	--	--	53	51	104	85	19	--	--	--	25714	11148	
														25860 (PR)	7229	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
KERALA															
	Cannanore	5	4	--	--	120	207	327	133	194	--	--	--	51812	50861
	Quilon	1	1	--	--	5	122	127	113	14	--	--	--	33368	3465
														8068 (PR)	2221
	Trivundrum	5	5	--	--	95	25	120	109	11	--	--	1	210691	19918
	Kollam	1	--	--	--	5	--	5	5	--	--	--	--	8228	1646
TOTAL : KERALA															
		12	10	--	--	225	354	579	360	219	--	--	1	304099	75891
														8068 (PR)	2221
MADHYA PRADESH															
	Jabalpur	Employment with Limestone												424819	32143
ORISSA															
	Mayurbhanj	1	1	--	--	43	16	59	27	32	--	--	--	7341 (PR)	2872
RAJASTHAN															
	Bikaner	17	2	--	--	176	84	260	238	22	--	--	5	441968	182087
														79289 (PR)	10092
	Jaipur	2	1	--	--	58	15	73	54	19	--	--	--	89425	17937
TOTAL : RAJASTHAN															
		20	3	--	--	244	102	346	305	41	--	--	5	531393	200024
														79289 (PR)	10092
TAMIL NADU															
	Tiruchirapalli	Employment with Limestone												254100	22361
WEST BENGAL															
	Birbhum	6	3	--	--	179	185	364	362	2	--	--	--	106037	5201
														23404 (PR)	6608
														23404 (PR)	6608
TOTAL : CHINA CLAY,CLAY,WHITE-															
		89	35	--	--	1461	1280	2741	2240	501	--	89	13	5814709	5016898
														1001028 (PR)	1368896

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y		E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
7. CHROMITE																
	KARNATAKA Hassan	4	3	2	111	60	155	326	260	66	35	--	--	13828	30912	
	ORISSA Dhenkanal	2	1	1	117	4	145	266	263	3	74	--	41	24164	15985	
	Keonjhar	5	4	4	1118	5	937	2060	1613	447	509	--	306	127873	40627	
														106331 (PR)	257478	
	Jajpur	16	12	1	36	3633	2327	5996	5607	389	32	1723	1060	1524711	5584071	
														1472264 (FN)	1332099	
														141775 (LM)	770869	
														190919 (PR)	289224	
	TOTAL : ORISSA	23	17	6	1271	3642	3409	8322	7483	839	615	1723	1407	1676748	5640683	
														1472264 (FN)	1332099	
														141775 (LM)	770869	
														297250 (PR)	546702	
TOTAL : CHROMITE																
		27	20	8	1382	3702	3564	8648	7743	905	650	1723	1407	1690576	5671595	
														1472264 (FN)	1332099	
														141775 (LM)	770869	
														297250 (PR)	546702	
8. COPPER																
	JHARKHAND West Singhbhum	2	2	2	1070	--	435	1505	1504	1	--	--	--	797351	900396	
	MADHYA PRADESH Balaghat	1	1	--	--	234	148	382	382	--	--	--	--	2179077	1398837	
	RAJASTHAN Jhunjhunu	2	2	2	622	9	381	1012	1001	11	--	--	--	967445	1180707	
	TOTAL : COPPER	5	5	4	1692	243	964	2899	2887	12	--	--	--	3943873	3479940	
9. DIAMOND																
	MADHYA PRADESH Panna	1	1	--	--	35	86	121	119	2	--	--	--	18036	150900	
	TOTAL : DIAMOND	1	1	--	--	35	86	121	119	2	--	--	--	18036	150900	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT				CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
10. DOLOMITE																
	ANDHRA PRADESH															
	Anantpur	1	--	--	--	18	1	19	19	--	--	--	--	40432	5614	
	Cuddapah	1	--	--	--	7	--	7	7	--	--	--	--	1550	180	
	Khammam	1	1	--	--	46	106	152	147	5	--	--	--	531633	302900	
	Kurnool	5	2	--	--	222	16	238	238	--	--	--	--	638312	93400	
TOTAL : ANDHRA PRADESH		8	3	--	--	293	123	416	411	5	--	--	--	1211927	402094	
	CHHATTISHGARH															
	Bilaspur	9	8	--	--	697	659	1356	1197	159	--	25	227	2607133	697657	
	JHARKHAND															
	Garhwa	1	1	--	--	251	54	305	305	--	--	238	12	470807	301917	
	Pakur	Employment with Steatite China Clay,clay,white-clay and Stone												21000	179	
TOTAL : JHARKHAND		1	1	--	--	251	54	305	305	--	--	238	12	491807	302096	
	KARNATAKA															
	Belgaum	1	--	--	--	7	1	8	8	--	--	--	--	33526	4862	
	Bellary	1	--	--	--	7	--	7	7	--	--	--	--	13100	786	
	Bijapur	1	--	--	--	36	9	45	25	20	--	--	--	23506	11325	
	Tumkur	Employment with Steatite China Clay,clay,white-clay and Stone												1790	1148	
	Bagalkot	7	1	--	--	123	14	137	106	31	--	--	--	201389	34714	
TOTAL : KARNATAKA		10	1	--	--	173	24	197	146	51	--	--	--	273311	52834	
	MADHYA PRADESH															
	Balaghat	1	1	--	--	305	--	305	213	92	--	--	--	3368	1139	
	Mandla	2	1	--	--	18	7	25	25	--	--	13	2	15420	52562	
	Katni	1	--	--	--	28	3	31	16	15	--	--	--	1080	11	
TOTAL : MADHYA PRADESH		4	2	--	--	351	10	361	254	107	--	13	2	19868	53712	
	MAHARASHTRA															
	Nagpur	2	2	--	--	28	8	36	25	11	--	--	--	11443	4508	
	Yavatmal	Employment with Steatite China Clay,clay,white-clay and Stone												11500	1254	
TOTAL : MAHARASHTRA		2	2	--	--	28	8	36	25	11	--	--	--	22943	5761	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ORISSA															
	Sundergarh	3	2	--	--	183	75	258	255	3	--	60	33	1046362 442366 (PR) 442366 (PR)	516255 162763 162763
RAJASTHAN															
	Udaipur	Employment with Steatite China Clay,clay,white-clay and Stone												15862	4492
	Rajsamand	Employment with Steatite China Clay,clay,white-clay and Stone												23772	3972
TOTAL : RAJASTHAN		Employment with Steatite China Clay,clay,white-clay and Stone												39634	8464
WEST BENGAL															
	Jalpaiguri	1	--	--	--	--	31	31	31	--	--	--	--	Nil	Nil
TOTAL : DOLOMITE		38	19	--	--	1976	984	2960	2624	336	--	336	274	5712985 442366 (PR)	2038872 162763
11. FELSPAR															
ANDHRA PRADESH															
	Mahboob Nagar	2	--	--	--	41	3	44	44	--	--	--	--	25320 62584 (LM)	6380 250336
	Nellore	5	2	--	--	100	9	109	86	23	--	--	--	462011 24962 (PR)	100396 40899
TOTAL : ANDHRA PRADESH		7	2	--	--	141	12	153	130	23	--	--	--	487331 62584 (LM) 24962 (PR)	106776 250336 40899
KARNATAKA															
	Mysore	1	--	--	--	10	7	17	--	17	--	--	--	265	56
RAJASTHAN															
	Bhilwara	Employment with Mica												13172	828
TAMIL NADU															
	Tirrupur	Employment with Mica and Quartz												395	140
	Salem	Employment with Mica and Quartz												2140	326
TOTAL : TAMIL NADU		Employment with Mica and Quartz												2535	466

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WEST BENGAL															
Birbhum		1	--	--	--	15	2	17	17	--	--	14	--	668	207
														2708 (LM)	1312
														2708 (LM)	1312
TOTAL : FELSPAR		9	2	--	--	166	21	187	147	40	--	14	--	503971	108333
														65292 (LM)	251648
														24962 (PR)	40899
12. FIRE-CLAY															
ANDHRA PRADESH															
East Godavari		2	--	--	--	30	--	30	30	--	--	--	--	40200	3491
GUJARAT															
Kachchh		2	--	--	--	36	--	36	36	--	--	18	--	7550	755
MADHYA PRADESH															
Jabalpur		2	--	--	--	35	4	39	23	16	--	--	--	32518	1743
Katni		1	--	--	--	23	--	23	23	--	--	--	--	2800	286
TOTAL : MADHYA PRADESH		3	--	--	--	58	4	62	46	16	--	--	--	35318	2029
ORISSA															
Angul		1	--	--	--	28	1	29	29	--	--	--	--	880	531
Cuttack		4	1	--	--	100	19	119	119	--	--	31	3	68043	14155
Sundergarh		1	--	--	--	20	--	20	20	--	--	--	--	6360	1049
Bargarh		1	--	--	--	19	--	19	19	--	--	--	--	981	234
TOTAL : ORISSA		7	1	--	--	167	20	187	187	--	--	31	3	76264	15970
RAJASTHAN															
Bikaner		7	--	--	--	127	5	132	113	19	--	--	--	274819	26790
TAMIL NADU															
Cuddalore		1	--	--	--	43	--	43	43	--	--	--	--	39889	4103
WEST BENGAL															
Purulia		1	--	--	--	32	2	34	34	--	--	--	--	760	151
TOTAL : FIRE-CLAY		23	1	--	--	493	31	524	489	35	--	49	3	474800	53289

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

13.	FLUORITE														
	GUJARAT														
	Vadodara (Baroda)	1	1	--	--	57	6	63	61	2	--	--	--	69016	41212
	MAHARASHTRA														
	Chandrapur	1	--	--	--	37	7	44	29	15	--	--	--	5337	969
	RAJASTHAN														
	Jalor	2	--	--	--	10	--	10	10	--	--	6	--	454	1510

TOTAL : FLUORITE		4	1	--	--	104	13	117	100	17	--	6	--	74807	43690

14.	GALENA & SPHALARITE														
	ANDHRA PRADESH														
	Guntur	1	1	1	10	--	30	40	40	--	8	--	30	1079	811
	RAJASTHAN														
	Bhilwara	1	1	--	--	484	761	1245	1245	--	--	265	385	5132640	2788114
	Udaipur	7	7	4	592	--	595	1187	1127	60	106	--	8	6152760	6436944
	Rajsamand	2	2	2	696	--	316	1012	997	15	366	--	28	352300	400341
														121512 (PR)	121512
TOTAL : RAJASTHAN		10	10	6	1288	484	1672	3444	3369	75	472	265	421	11637700	9625399
														121512 (PR)	121512

TOTAL : GALENA & SPHALARITE		11	11	7	1298	484	1702	3484	3409	75	480	265	451	11638779	9626210
														121512 (PR)	121512

15.	GARNET														
	ANDHRA PRADESH														
	Srikakulam	2	--	--	--	38	38	76	66	10	--	37	--	156329	14902
	ORISSA														
	Ganjam	Employment with Sillimanite												18162 (PR)	67944
	TAMIL NADU														
	Kanyakumari	1	--	--	--	1002	--	1002	1002	--	--	998	--	432408	346938
	Tirunelveli	4	--	--	--	100	20	120	98	22	--	14	--	284675	365684
TOTAL : TAMIL NADU		5	--	--	--	1102	20	1122	1100	22	--	1012	--	717083	712622

TOTAL : GARNET		7	--	--	--	1140	58	1198	1166	32	--	1049	--	873412	727524
														18162 (PR)	67944

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y		E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
16. GOLD																
	JHARKHAND East Singhbhum	1	1	1	36	--	16	52	52	--	--	--	--	5052	22367	
	KARNATAKA Raichur	2	1	2	1493	--	1469	2962	2848	114	--	--	--	676820	4583253	
	UTTARANCHAL Pithoragarh(left side)	1	1	1	7	--	15	22	22	--	--	--	--	Nil	Nil	
TOTAL : GOLD		4	3	4	1536	--	1500	3036	2922	114	--	--	--	681872	4605620	
17. GRANITE																
	ANDHRA PRADESH															
	Chittoor	1	1	--	--	99	6	105	105	--	--	--	--	8383	75351	
	Karimnagar	3	3	--	--	142	13	155	155	--	--	--	--	9476	92982	
														8511 (PR)	14344	
	Khammam	1	1	--	--	6	--	6	6	--	--	--	--	513	4700	
	Nalgonda	1	1	--	--	14	1	15	15	--	--	14	1	386	3583	
	Prakasham	65	63	--	--	2656	1217	3873	3828	45	--	155	147	773653	7199569	
														64397 (PR)	592612	
	Ranga Reddy	1	--	--	--	23	--	23	23	--	--	--	--	1000	6641	
	Srikakulam	3	3	--	--	85	21	106	106	--	--	--	--	8834	62826	
	Warangal	2	2	--	--	127	9	136	135	1	--	--	--	8211	45025	
TOTAL : ANDHRA PRADESH		77	74	--	--	3152	1267	4419	4373	46	--	169	148	810456 72908 (PR)	7490677 606955	
	GOA															
	North Goa	1	1	--	--	13	8	21	21	--	--	4	4	29858	8925	
	South Goa	1	--	--	--	116	1	117	110	7	--	--	--	177928	24071	
TOTAL : GOA		2	1	--	--	129	9	138	131	7	--	4	4	207786	32997	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JAMMU & KASHMIR Pulwana		Employment with Limestone												2000	164
KARNATAKA															
	Bangalore	4	1	--	--	39	8	47	45	2	--	3	1	1056	3959
	Belgaum	1	--	--	--	56	--	56	54	2	--	--	--	Nil	Nil
	Bijapur	3	3	--	--	519	105	624	616	8	--	--	--	22885	911634
	Gulbarga	1	1	--	--	80	9	89	89	--	--	--	--	Nil	Nil
	Hassan	3	2	--	--	59	11	70	69	1	--	--	--	3262	14301
	Mandya	1	--	--	--	14	2	16	16	--	--	--	--	770	20731
	Mysore	4	3	--	--	96	6	102	102	--	--	--	--	2068	270415
	Raichur	2	2	--	--	52	5	57	57	--	--	--	--	4364	33847
	Tumkur	1	1	--	--	4	3	7	7	--	--	--	--	470 (PR)	4061
	Bagalkot	3	3	--	--	130	49	179	177	2	--	--	--	34950	628414
	KOPPAL	2	2	--	--	34	35	69	68	1	--	--	--	14599	203371
	CHAMARAJANAGAR	4	3	--	--	38	8	46	46	--	--	--	--	3002	26588
	Ramanagara	1	1	--	--	15	4	19	19	--	--	5	--	294	4350
TOTAL : KARNATAKA		30	22	--	--	1136	245	1381	1365	16	--	8	1	87250 470 (PR)	2117612 4061
KERALA															
	Ernakulam	3	3	--	--	99	22	121	74	47	--	10	3	49459	36055
	Malappuram	1	1	--	--	16	7	23	16	7	--	--	--	28762 (PR)	9702
	Trivundrum	2	2	--	--	15	42	57	47	10	--	--	11	641	5400
TOTAL : KERALA		7	7	--	--	145	71	216	152	64	--	10	14	50100 28762 (PR)	41455 9702
MADHYA PRADESH															
	Chhatarpur	1	1	--	--	185	20	205	205	--	--	--	--	Nil	Nil
ORISSA															
	Kalahandi	1	1	--	--	26	4	30	30	--	--	--	--	6002	31361
TAMIL NADU															
	Dharmapuri	23	20	--	--	613	90	703	702	1	--	13	--	57088 6841 (PR)	640271 38775
	Madurai	10	9	--	--	340	75	415	412	3	--	157	--	57857 1388 (PR)	669565 5955
	Periyar	2	2	--	--	123	11	134	134	--	--	--	--	16995	97821
	Pudukkottai	1	--	--	--	23	3	26	26	--	--	--	--	734	770
	Salem	13	12	--	--	463	57	520	517	3	--	--	--	14496	181515
	South Arcot	3	3	--	--	65	13	78	78	--	--	--	--	55959	369166

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR					
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	Thanjavur	1	1	--	--	19	--	19	19	--	--	--	--	999	633	
	Tiruchirapalli	1	1	--	--	36	--	36	36	--	--	--	--	719	5657	
	Tirunelveli	5	5	--	--	111	9	120	120	--	--	31	2	37038	335729	
	V.R.P.	5	5	--	--	182	24	206	197	9	--	--	--	2407	25327	
	Virudhunagar	3	2	--	--	29	25	54	53	1	--	15	--	1416	14593	
	Vellore	5	3	--	--	158	17	175	175	--	--	136	12	10048	67038	
	Villupuram	10	10	--	--	231	56	287	275	12	--	13	--	4170	49933	
	Karur	2	1	--	--	48	3	51	49	2	--	12	--	2380	16153	
														113 (PR)	676	
	Sivaganga	1	1	--	--	16	2	18	18	--	--	--	--	1116	2500	
	KRISHNAGIRI	3	2	--	--	45	19	64	64	--	--	14	10	1442	15579	
	TOTAL : TAMIL NADU	88	77	--	--	2502	404	2906	2875	31	--	391	24	264864 8342 (PR)	2492251 45405	
	TOTAL : GRANITE	206	183	--	--	7275	2020	9295	9131	164	--	582	191	1428458 110482 (PR)	12206517 666123	
18. GRAPHITE																
	JHARKHAND															
	Palamau	1	--	--	--	44	--	44	44	--	--	43	--	11091	5722	
	Saraikhela Kharsawan	1	--	--	--	17	--	17	17	--	--	16	--	2645	714	
	TOTAL : JHARKHAND	2	--	--	--	61	--	61	61	--	--	59	--	13736	6436	
	ORISSA															
	Bolangir	8	3	--	--	123	16	139	57	82	--	--	--	13008	10359	
	Cuttack	1	1	--	--	7	4	11	11	--	--	--	--	3831	3831	
	Phulabani	1	1	--	--	53	3	56	39	17	--	--	--	10201	2958	
	Nuapada	1	1	--	--	15	1	16	8	8	--	--	--	1007	771	
	Rayagada	3	--	--	--	44	--	44	44	--	--	--	--	3427	2783	
	TOTAL : ORISSA	14	6	--	--	242	24	266	159	107	--	--	--	31474	20702	
	TAMIL NADU															
	Pasumpon Mathuralingam	1	1	--	--	39	4	43	43	--	--	--	--	48552	49759	
	TOTAL : GRAPHITE	17	7	--	--	342	28	370	263	107	--	59	--	93762	76898	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
19. GYPSUM															
	JAMMU & KASHMIR														
	Deda	1	--	--	--	34	1	35	35	--	--	--	--	3015	9500
	Ramban	1	--	--	--	45	4	49	49	--	--	23	--	31151	19100
	TOTAL : JAMMU & KASHMIR	2	--	--	--	79	5	84	84	--	--	23	--	34166	28600
	RAJASTHAN														
	Barmer	1	--	--	--	1	1	2	2	--	--	--	--	Nil	Nil
	Bikaner	8	5	--	--	64	31	95	95	--	--	23	--	2450841	1151974
	Sriganganagar	9	4	--	--	35	14	49	49	--	--	17	--	297853	101414
	Jaisalmer	3	2	--	--	14	9	23	23	--	--	6	--	764968	1197573
	Jalor	1	--	--	--	3	1	4	4	--	--	1	--	11948	3584
	Nagaur	1	1	--	--	14	5	19	19	--	--	4	--	297383	130849
	Hanumangarh	2	2	--	--	13	4	17	17	--	--	6	--	62917	18875
	Ganganagar	2	--	--	--	12	1	13	13	--	--	6	--	96400	55765
	TOTAL : RAJASTHAN	27	14	--	--	156	66	222	222	--	--	63	--	3982310	2660034
TOTAL : GYPSUM		29	14	--	--	235	71	306	306	--	--	86	--	4016476	2688634
20. IRON															
	ANDHRA PRADESH														
	Anantpur	4	1	--	--	67	64	131	127	4	--	--	--	2606087	2606087
	Kurnool	4	--	--	--	102	--	102	102	--	--	--	--	250210 (LM)	174375
														62861	223965
														27770 (FN)	5547
														100022 (LM)	21581
	TOTAL : ANDHRA PRADESH	8	1	--	--	169	64	233	229	4	--	--	--	2668948	2830052
														27770 (FN)	5547
														350232 (LM)	195957
	CHHATTISHGARH														
	Bastar	1	1	--	--	97	179	276	276	--	--	--	35	2412068 (FN)	2988383
														1486370 (LM)	3171824
	Durg	6	5	--	--	1356	2635	3991	3803	188	--	369	184	3892289	1882401
														8575699 (PR)	2541869
	Rajnandgaon	1	1	--	--	8	9	17	17	--	--	--	--	Nil	Nil

STATEMENT NO. 1.2 (CONT.)

Sl. No.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Kanker	1	--	--	--	234	20	254	254	--	--	231	--	18503 (FN)	28442
														278757 (LM)	505592
	Dantewara	2	2	--	--	781	1240	2021	2021	--	--	--	--	9300857 (FN)	21198467
														6405986 (LM)	16432311
	TOTAL : CHHATTISHGARH	11	9	--	--	2476	4083	6559	6371	188	--	600	219	3892289	1882401
														11731428 (FN)	24215292
														8171113 (LM)	20109726
														8575699 (PR)	2541869
	GOA														
	North Goa	32	30	--	--	1951	1389	3340	3337	3	--	500	218	12418530	2232591
														6702406 (FN)	2161511
														902410 (LM)	361646
														4004806 (PR)	6690494
	South Goa	42	35	--	--	2196	673	2869	2798	71	--	780	230	27088453	30288730
														3028367 (FN)	729703
														647312 (LM)	1315632
	Margaon	1	1	--	--	17	14	31	31	--	--	--	--	92600	10782
	TOTAL : GOA	75	66	--	--	4164	2076	6240	6166	74	--	1280	448	39599583	32532103
														9730773 (FN)	2891214
														1549722 (LM)	1677278
														4004806 (PR)	6690494
	JHARKHAND														
	West Singbhum	22	15	--	--	1944	5124	7068	6912	156	--	507	2156	15128407	5324296
														6884190 (FN)	2234980
														4662131 (LM)	2072325
														113438 (PR)	38562
														6884190 (FN)	2234980
														4662131 (LM)	2072325
														113438 (PR)	38562
	KARNATAKA														
	Bellary	73	56	1	12	4592	1565	6169	6078	91	--	1223	137	22074566	14387442
														11338110 (FN)	17761441
														4961142 (LM)	9034974
														1291049 (PR)	1836247
	Bijapur	2	2	--	--	26	13	39	27	12	--	--	--	247200	86520
														273713 (FN)	67078
	Chikmagalur	2	1	--	--	29	1	30	30	--	--	26	1	114029	21472
														105967 (FN)	34056

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Chitradurga	11	10	--	--	723	128	851	848	3	--	301	34	5739246 1057588 (FN) 52717 (LM)	2891565 3093398 91876
	Dharwar	1	1	--	--	25	9	34	34	--	--	24	3	623095	184703
	Tumkur	7	5	--	--	236	39	275	270	5	--	48	22	453221 386448 (FN) 184342 (LM) 440900 (PR)	166812 142478 68102 893649
TOTAL : KARNATAKA		96	75	1	12	5631	1755	7398	7287	111	--	1622	197	29251357 13161826 (FN) 5198201 (LM) 1731949 (PR)	17738515 21098451 9194951 2729896
	MADHYA PRADESH Jabalpur	4	1	--	--	55	--	55	41	14	--	--	--	2120 553100 (FN) 47200 (LM) 553100 (FN) 47200 (LM)	572 52577 4370 52577 4370
	MAHARASHTRA Bhandara	1	1	--	--	46	13	59	59	--	--	--	--	9314 (LM)	12397
	Chandrapur	1	1	--	--	179	5	184	184	--	--	--	--	250609	56387
	Sindhudurg	8	8	--	--	423	227	650	519	131	--	208	59	464008 6341 (FN) 5029 (LM)	363593 5019 3783
TOTAL : MAHARASHTRA		10	10	--	--	648	245	893	762	131	--	208	59	714617 6341 (FN) 14343 (LM)	419980 5019 16180
	ORISSA Keonjhar	56	50	--	--	7851	5683	13534	12279	1255	--	2374	2345	34690436 12536235 (FN) 10846035 (LM) 7361057 (PR)	25761126 9323338 11440558 6220484
	Mayurbhanj	7	3	--	--	1032	99	1131	853	278	--	596	10	226327 252766 (FN) 22818 (LM)	502308 46452 6137
	Sundergarh	37	30	--	--	2779	1353	4132	3785	347	--	1258	280	12520547 6664211 (FN) 1568828 (LM) 1611898 (PR)	6485529 2483962 1112056 1113927

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TOTAL : ORISSA		100	83	--	--	11662	7135	18797	16917	1880	--	4228	2635	47437310 19453212 (FN) 12437681 (LM) 8972955 (PR)	32748963 11853751 12558751 7334411
RAJASTHAN Jaipur		1	1	--	--	54	14	68	68	--	--	--	--	47620 (LM) 181932 (PR) 181932 (PR)	36005 185365 185365
TOTAL : IRON		327	261	1	12	26803	20496	47311	44753	2558	--	8445	5714	138694631 61548640 (FN) 32478243 (LM) 23580779 (PR)	93476882 62356831 45865541 19520598
21. KYANITE															
JHARKHAND East Singhbhum		1	1	--	--	31	4	35	35	--	--	16	--	3491	3998
MAHARASHTRA Bhandara		4	--	--	--	73	20	93	93	--	--	--	--	10525	3630
TOTAL : KYANITE		5	1	--	--	104	24	128	128	--	--	16	--	14016	7627
22. LATERITE															
GUJARAT Kachchh		1	1	--	--	5	--	5	5	--	--	4	--	182669	32395
KARNATAKA Belgaum		1	1	--	--	65	9	74	74	--	--	--	--	107815	20754
KERALA Quilon		Employment with China Clay, clay, white-clay												9265	1643
Kasaragod		1	1	--	--	14	4	18	14	4	--	--	--	37413	6635
TOTAL : KERALA		1	1	--	--	14	4	18	14	4	--	--	--	46678	8278

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	MADHYA PRADESH Jabalpur	1	--	--	--	40	1	41	18	23	--	--	--	21750	653	
	RAJASTHAN Jhalawar	1	1	--	--	112	21	133	133	--	--	--	--	1720177	276782	
TOTAL : LATERITE		5	4	--	--	236	35	271	244	27	--	4	--	2079089	338861	
23. LIMESTONE																
	ANDAMAN & NICOBAR ISLAND Andamana	1	1	--	--	58	--	58	58	--	--	--	--	Nil	Nil	
	ANDHRA PRADESH Adilabad	4	4	--	--	136	28	164	164	--	--	--	--	6891494	783712	
	Anantpur	5	4	--	--	180	98	278	278	--	--	66	72	9156922 2120 (PR)	903249 164	
	Cuddapah	5	5	--	--	123	71	194	189	5	--	13	13	5288864	610393	
	Guntur	8	8	--	--	185	86	271	271	--	--	16	--	5193249	802045	
	Karimnagar	1	1	--	--	77	65	142	142	--	--	--	--	1397976	390105	
	Krishna	7	7	--	--	169	150	319	309	10	--	10	40	2306633	449555	
	Kurnool	8	3	--	--	173	87	260	259	1	--	--	--	4046435	382262	
	Nalgonda	24	24	--	--	564	61	625	621	4	--	--	--	15375520	2851055	
	Ranga Reddy	5	5	--	--	157	43	200	200	--	--	--	--	6352463	729674	
	kadapa	2	2	--	--	52	6	58	58	--	--	22	1	1942791	66346	
TOTAL : ANDHRA PRADESH		69	63	--	--	1816	695	2511	2491	20	--	127	126	57952347 2120 (PR)	7968397 164	
	ASSAM Karbi Arglong	1	1	--	--	14	26	40	40	--	--	--	--	227404	87747	
	North Cachar Hills	5	5	--	--	178	19	197	197	--	--	48	--	171259	55265	
TOTAL : ASSAM		6	6	--	--	192	45	237	237	--	--	48	--	398663	143012	
	BIHAR Rohtas	3	2	--	--	120	103	223	219	4	--	--	--	887461	313048	
	CHHATTISHGARH Bilaspur	1	1	--	--	124	4	128	128	--	--	--	--	2126505	149141	
	Durg	4	4	--	--	62	8	70	70	--	--	--	--	840858	117811	
	Raipur	9	9	--	--	560	168	728	728	--	--	24	38	24008732	2284932	
	Janjgir (champa)	2	2	--	--	101	4	105	105	--	--	12	1	2126178	324747	
TOTAL : CHHATTISHGARH		16	16	--	--	847	184	1031	1031	--	--	36	39	29102273	2876631	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
GUJARAT																
	Amreli	3	3	--	--	191	46	237	237	--	--	31	--	8549944	961212	
	Jamnagar	7	4	--	--	124	401	525	525	--	--	61	384	1936416	147649	
	Junagadh	25	15	--	--	779	140	919	783	136	--	203	79	10612654	1147129	
														27450 (PR)	1799	
	Kachchh	1	1	--	--	49	7	56	56	--	--	21	--	655306	65939	
	Probandar	3	2	--	--	187	33	220	155	65	--	74	13	300941	44012	
TOTAL : GUJARAT		39	25	--	--	1330	627	1957	1756	201	--	390	476	22055261	2365941	
														27450 (PR)	1799	
HIMACHAL PRADESH																
	Bilaspur	1	1	--	--	17	21	38	38	--	--	--	--	4191200	411800	
	Mandi	1	--	--	--	16	2	18	18	--	--	16	1	Nil	Nil	
	Sirmaur	30	19	--	--	774	103	877	862	15	--	--	--	2167541	387347	
	Solan	2	2	--	--	150	8	158	158	--	--	--	--	4703460	426286	
TOTAL : HIMACHAL PRADESH		34	22	--	--	957	134	1091	1076	15	--	16	1	11062201	1225433	
HARYANA																
	Mahendragarh	1	--	--	--	14	2	16	16	--	--	--	--	2760	373	
JHARKHAND																
	Hazaribagh	5	2	--	--	48	47	95	90	5	--	--	--	1676508	530679	
	Palamau	2	--	--	--	102	45	147	143	4	--	75	--	32595	6236	
														38767 (PR)	60586	
	Ranchi	2	2	--	--	35	1	36	36	--	--	--	--	4213	326	
	West Singbhum	8	5	--	--	497	128	625	540	85	--	27	--	1796843	319864	
	Bokaro	1	1	--	--	156	298	454	450	4	--	136	17	146198	30957	
TOTAL : JHARKHAND		18	10	--	--	838	519	1357	1259	98	--	238	17	3656357	888061	
														38767 (PR)	60586	
KARNATAKA																
	Belgaum	3	2	--	--	30	7	37	32	5	--	6	--	42096	7289	
	Bijapur	3	2	--	--	94	24	118	95	23	--	--	--	146852	19384	
	Chitradurga	4	3	--	--	143	44	187	187	--	--	23	--	5000580	633654	
	Gulbarga	4	4	--	--	381	41	422	422	--	--	32	--	20574778	3870243	
	Shimoga	1	1	--	--	5	--	5	5	--	--	--	--	42573	95789	
	Tumkur	5	2	--	--	78	66	144	138	6	--	4	--	257692	61945	
	Bagalkot	27	12	--	--	206	38	244	230	14	--	37	--	1284031	131810	
TOTAL : KARNATAKA		47	26	--	--	937	220	1157	1109	48	--	102	--	27348602	4820115	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
KERALA																
	Alleppey	1	1	--	--	57	--	57	57	--	--	--	--	14190	12615	
	Palghat	1	1	--	--	64	133	197	197	--	--	--	--	598661 (PR)	59866	
TOTAL : KERALA		2	2	--	--	121	133	254	254	--	--	--	--	14190 598661 (PR)	12615 59866	
MEGHALAYA																
	East Khasi Hills	3	3	--	--	135	85	220	220	--	--	16	9	504126	308364	
	Jaintia Hills	6	6	--	--	197	31	228	227	1	--	--	--	1538001	286015	
TOTAL : MEGHALAYA		9	9	--	--	332	116	448	447	1	--	16	9	2042127	594379	
MADHYA PRADESH																
	Balaghat	1	--	--	--	3	--	3	3	--	--	--	--	5112	903	
	Damoh	2	2	--	--	76	65	141	141	--	--	--	--	875972	462196	
	Jabalpur	8	7	--	--	996	534	1530	1353	177	--	113	51	4532728	709713	
	Mandsaur	2	2	--	--	87	66	153	153	--	--	8	--	4388146	614340	
	Rewa	4	4	--	--	165	44	209	209	--	--	--	--	10215126	2119790	
	Satna	14	13	--	--	610	362	972	958	14	--	65	129	12991430	5731921	
	Sidhi	2	2	--	--	58	13	71	71	--	--	--	--	1952986	273878	
	Katni	7	3	--	--	343	16	359	355	4	--	18	10	275497	33568	
	Neemuch	2	2	--	--	74	48	122	122	--	--	--	--	4825438	166948	
TOTAL : MADHYA PRADESH		42	35	--	--	2412	1148	3560	3365	195	--	204	190	40062435	10113257	
MAHARASHTRA																
	Chandrapur	5	5	--	--	290	89	379	379	--	--	53	3	9579572	1069407	
	Yavatmal	9	3	--	--	174	45	219	176	43	--	12	--	245063	31604	
TOTAL : MAHARASHTRA		14	8	--	--	464	134	598	555	43	--	65	3	9824635	1101011	
ORISSA																
	Kalahandi	1	1	--	--	18	3	21	21	--	--	16	3	11630	1256	
	Koraput	3	2	--	--	68	15	83	83	--	--	29	--	346835	34219	
	Sambalpur	1	1	--	--	240	25	265	264	1	--	155	--	933996	361008	
	Sundergarh	12	9	--	--	1713	828	2541	2112	429	--	139	102	4298308	1008120	
	Bargarh	1	--	--	--	4	--	4	4	--	--	--	--	350	175	
TOTAL : ORISSA		18	13	--	--	2043	871	2914	2484	430	--	339	105	5591119	1404779	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
RAJASTHAN																
	Ajmer	2	2	--	--	138	86	224	224	--	--	--	--	2253882	114298	
	Banswara	1	1	--	--	20	1	21	21	--	--	--	--	163356	84945	
	Barmer	1	1	--	--	18	8	26	24	2	--	--	--	2730	82	
	Bundi	1	1	--	--	48	2	50	50	--	--	--	--	775704	40657	
	Chittorgarh	7	7	--	--	243	117	360	360	--	--	138	13	9952087	1600778	
	Jaipur	3	2	--	--	128	3	131	131	--	--	111	--	3221035	443094	
	Jaisalmer	2	2	--	--	139	131	270	270	--	--	77	70	1696870	220593	
	Jhalawar	15	15	--	--	1063	72	1135	1041	94	--	70	3	2269889	304906	
														88209 (PR)	3247	
	Jodhpur	2	1	--	--	46	14	60	60	--	--	--	--	21313	156674	
	Kota	36	33	--	--	5219	349	5568	4944	624	--	128	--	25708243	3738725	
														4098 (PR)	1954	
	Nagaur	10	8	--	--	173	29	202	201	1	--	74	4	1180718	235208	
	Pali	2	2	--	--	447	21	468	468	--	--	197	4	2625560	115322	
														9627073 (PR)	375456	
	Sikar	1	1	--	--	2	3	5	5	--	--	--	--	90	16	
	Sirohi	5	5	--	--	366	146	512	512	--	--	--	--	17728811	1772307	
	Udaipur	1	1	--	--	--	2	2	2	--	--	--	--	Nil	Nil	
TOTAL : RAJASTHAN		89	82	--	--	8050	984	9034	8313	721	--	795	94	67600288 9719380 (PR)	8827607 380657	
TAMIL NADU																
	Coimbatore	2	2	--	--	40	51	91	91	--	--	--	--	533909	199923	
	Madurai	1	1	--	--	95	3	98	98	--	--	--	--	3160634	521505	
	Salem	5	5	--	--	109	56	165	154	11	--	32	--	488916	89551	
	Thanjavur	1	1	--	--	24	1	25	9	16	--	--	--	27090	2790	
	Tiruchirapalli	8	7	--	--	278	15	293	293	--	--	100	4	5485343	759319	
	Tirunelveli	10	10	--	--	277	28	305	305	--	--	11	2	1348168	337400	
	Chidambarnar	3	3	--	--	40	10	50	50	--	--	26	--	871806	204165	
	Kamrajar	3	3	--	--	35	62	97	97	--	--	8	--	775693	241648	
	Dindigul-Anna	4	4	--	--	110	18	128	121	7	--	51	--	2955087	581957	
	Virudhunagar	2	2	--	--	32	4	36	36	--	--	5	--	111139	34459	
	Perambalur	4	4	--	--	152	9	161	161	--	--	71	4	3819763	737787	
	Ariyalur	8	7	--	--	208	4	212	212	--	--	110	--	2882251	428650	
TOTAL : TAMIL NADU		51	49	--	--	1400	261	1661	1627	34	--	414	10	22459799	4139153	
UTTARANCHAL																
	Dehradun	1	--	--	--	1	29	30	30	--	--	--	--	49360	4665	
	Tehri Garhwal	1	1	--	--	30	4	34	34	--	--	--	--	31120	3112	
TOTAL : UTTARANCHAL		2	1	--	--	31	33	64	64	--	--	--	--	80480	7777	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	UTTAR PRADESH Sonebhadra	1	1	--	--	55	9	64	64	--	--	--	--	26867640	3324357
	TOTAL : LIMESTONE	463	372	--	--	22051	6222	28273	26463	1810	--	2790	1070	327008638 10386378 (PR)	50125944 503072
24.	MAGNESITE														
	JHARKHAND East Singhbhum	1	1	--	--	47	10	57	38	19	--	--	--	18551	12986
	KARNATAKA Mysore	4	3	--	--	108	63	171	141	30	--	14	18	24279 75046 (PR) 75046 (PR)	36911 21137 21137
	TAMIL NADU Salem	9	7	--	--	1929	43	1972	1058	914	--	95	--	468527	806293
	UTTARANCHAL Almora	1	1	--	--	137	55	192	192	--	--	--	--	44519 39606 (LM) 39606 (LM)	59917 12543 12543
	TOTAL : MAGNESITE	15	12	--	--	2221	171	2392	1429	963	--	109	18	555876 39606 (LM) 75046 (PR)	916107 12543 21137
25.	MANGANESE														
	ANDHRA PRADESH Kurnool Vizianagaram	Employment with Iron												1220 364800 2529 (PR)	6520 464617 12643
	TOTAL : ANDHRA PRADESH	22	17	--	--	1041	47	1088	629	459	--	17	2	366020 2529 (PR)	471137 12643
	GOA North Goa South Goa	2 10	1 6	-- --	-- --	95 311	29 40	124 351	103 254	21 97	-- --	-- 112	-- 25	600 6278	2400 6112
	TOTAL : GOA	12	7	--	--	406	69	475	357	118	--	112	25	6878	8512

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
GUJARAT															
	Panch Mahals	1	1	--	--	9	14	23	23	--	--	--	--	228207	622953
JHARKHAND															
	West Singbhum	4	--	--	--	56	37	93	86	7	--	--	--	123460 15510 (PR) 15510 (PR)	31704 8550 8550
KARNATAKA															
	Bangalore	1	--	--	--	12	6	18	15	3	--	--	--	Nil	Nil
	Bellary	7	3	--	--	1116	866	1982	1832	150	--	265	--	234407 12000 (LM) 28995 (PR)	202049 2640 67944
	Chitradurga	6	4	--	--	118	35	153	128	25	--	--	--	315520	214880
	Shimoga	1	--	--	--	9	1	10	5	5	--	--	--	1097	886
	Tumkur	1	--	--	--	16	2	18	14	4	--	--	--	12200 3570 (PR)	8526 491
	Uttar Kannada	2	--	--	--	56	17	73	73	--	--	18	--	1904 8100 (PR)	1466 8280
	Davangere	1	1	--	--	12	--	12	8	4	--	--	--	298	208
TOTAL : KARNATAKA		19	8	--	--	1339	927	2266	2075	191	--	283	--	565426 12000 (LM) 40665 (PR)	428017 2640 76715
MADHYA PRADESH															
	Balaghat	13	11	5	1269	541	955	2765	2393	372	145	168	156	142520 481347 (PR)	297236 4700706
	Chhindwara	1	1	--	--	51	88	139	118	21	--	--	21	37550	94370
TOTAL : MADHYA PRADESH		14	12	5	1269	592	1043	2904	2511	393	145	168	177	180070 481347 (PR)	391606 4700706
MAHARASHTRA															
	Bhandara	2	2	1	388	805	407	1600	1373	227	1	407	6	579473	3352894
	Nagpur	8	7	4	528	413	384	1325	1100	225	4	115	80	417778	1585273
	Sindhudurg	Employment with Iron												12268	77452
TOTAL : MAHARASHTRA		10	9	5	916	1218	791	2925	2473	452	5	522	86	1009519	5015619

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.	
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C			A/G
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ORISSA															
	Keonjhar	21	10	--	--	1943	808	2751	1877	874	--	776	337	388603 314291 (PR)	721222 215105
	Koraput	1	1	--	--	44	19	63	36	27	--	--	--	Nil	Nil
	Sundergarh	22	8	--	--	725	558	1283	884	399	--	384	367	309072 5716 (PR)	1901225 6014
TOTAL : ORISSA		44	19	--	--	2712	1385	4097	2797	1300	--	1160	704	697675 320007 (PR)	2622448 221119
TOTAL : MANGANESE															
		126	73	10	2185	7373	4313	13871	10951	2920	150	2262	994	3177255 12000 (LM) 860058 (PR)	9591994 2640 5019733
26. MARBLE															
GUJARAT															
	Banas Kantha	4	4	--	--	283	49	332	332	--	--	--	--	699319	481070
MADHYA PRADESH															
	Jabalpur	1	1	--	--	19	21	40	40	--	--	--	--	15407	2605
	Katni	1	1	--	--	34	8	42	42	--	--	--	--	21772	3682
TOTAL : MADHYA PRADESH		2	2	--	--	53	29	82	82	--	--	--	--	37179	6287
RAJASTHAN															
	Ajmer	2	1	--	--	28	19	47	47	--	--	--	--	27915	13958
	Banswara	2	--	--	--	12	10	22	22	--	--	--	--	15110	12720
	Jaipur	2	1	--	--	34	7	41	41	--	--	--	--	25072	9502
	Sikar	1	1	--	--	22	8	30	30	--	--	--	--	39003	32833
	Sirohi	1	1	--	--	121	46	167	167	--	--	--	--	135880	131394
	Rajsamand	6	5	--	--	964	193	1157	1157	--	--	--	--	2036570	1687622
TOTAL : RAJASTHAN		14	9	--	--	1181	283	1464	1464	--	--	--	--	2279550	1888029
TOTAL : MARBLE															
		20	15	--	--	1517	361	1878	1878	--	--	--	--	3016048	2375386

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
27. MICA															
	ANDHRA PRADESH Nellore	22	20	18	275	62	148	485	421	64	--	--	10	3843510	116416
	BIHAR Nawada	3	2	2	36	19	14	69	69	--	--	--	--	462057	2593
	JHARKHAND Hazaribagh	1	--	--	--	--	8	8	8	--	--	--	--	Nil	Nil
	Garhwa	1	1	1	15	--	4	19	19	--	--	--	--	19354	71
	TOTAL : JHARKHAND	2	1	1	15	--	12	27	27	--	--	--	--	19354	71
	RAJASTHAN Bhilwara	2	--	--	--	110	--	110	110	--	--	--	--	13339470	45623
	Jaipur	Employment with Felspar and Limestone												1806	51
	TOTAL : RAJASTHAN	2	--	--	--	110	--	110	110	--	--	--	--	13341276	45673
TOTAL : MICA		29	23	21	326	191	174	691	627	64	--	--	10	17666197	164752
28. OCHRE															
	GUJARAT Patan	1	--	--	--	16	--	16	16	--	--	--	--	592	59
	MADHYA PRADESH Satna	1	--	1	14	--	5	19	19	--	--	--	--	970	78
	TOTAL : OCHRE	2	--	1	14	16	5	35	35	--	--	--	--	1562	137
29. PYRITE															
	RAJASTHAN Jhunjhunu	Employment with Copper												466082	766507
TOTAL : PYRITE		Employment with Copper												466082	766507

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
30. QUARTZ															
	ANDHRA PRADESH														
	Mahboob Nagar	2	1	--	--	48	8	56	53	3	--	10	--	157765	41514
	Medak	2	1	--	--	95	--	95	91	4	--	--	--	16319	2448
	Nalgonda	1	--	--	--	3	--	3	3	--	--	3	--	1950	361
	Nellore	3	2	--	--	42	32	74	40	34	--	18	--	21114	11273
														945 (PR)	280
	Vizianagaram	2	--	--	--	46	--	46	46	--	--	26	--	7918	1162
														3995 (PR)	654
TOTAL : ANDHRA PRADESH		10	4	--	--	234	40	274	233	41	--	57	--	205066	56758
														4940 (PR)	933
	BIHAR														
	Munger	2	--	--	--	30	7	37	37	--	--	--	--	67315	21609
	CHHATTISHGARH														
	Raigarh	2	1	--	--	149	6	155	143	12	--	94	4	9463	1345
	JHARKHAND														
	West Singhbhum	1	--	--	--	31	6	37	37	--	--	--	--	7494	16795
	East Singhbhum	1	1	1	32	--	16	48	48	--	--	--	--	4233	25363
	Saraikhela Kharsawan	1	--	--	--	18	3	21	20	1	--	--	--	Nil	Nil
TOTAL : JHARKHAND		3	1	1	32	49	25	106	105	1	--	--	--	11727	42158
	MADHYA PRADESH														
	Balaghat	Employment with Felspar Mica and Dolomite												1407	452
	ORISSA														
	Mayurbhanj	2	--	--	--	50	--	50	41	9	--	--	--	8919	847
	Boudh	1	--	--	--	22	--	22	22	--	--	--	--	1454 (PR)	144
	Jajpur	1	--	--	--	19	--	19	19	--	--	--	--	3315	663
	Jharsuguda	2	--	--	--	18	3	21	21	--	--	13	2	3420	1873
TOTAL : ORISSA		6	--	--	--	109	3	112	103	9	--	13	2	15654	3384
														1454 (PR)	144
	RAJASTHAN														
	Bhilwara	Employment with Felspar Mica and Dolomite												201	53
	Sikar	2	1	--	--	44	2	46	45	1	--	--	--	65	3
														73590 (PR)	4690
	Tonk	1	1	--	--	10	8	18	18	--	--	--	--	12268	2454
TOTAL : RAJASTHAN		3	2	--	--	54	10	64	63	1	--	--	--	12534	2510
														73590 (PR)	4690

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	TAMIL NADU														
	Tirrupur	2	--	--	--	31	4	35	18	17	--	--	--	1646	625
	Periyar	2	--	--	--	88	--	88	40	48	--	--	--	1921	618
	Salem	2	1	--	--	53	--	53	22	31	--	--	--	3590	487
	Karur	1	--	--	--	53	--	53	12	41	--	--	--	2866	1003
	TOTAL : TAMIL NADU	7	1	--	--	225	4	229	92	137	--	--	--	10023	2733
TOTAL : QUARTZ		33	9	1	32	850	95	977	776	201	--	164	6	333189 79984 (PR)	130948 5768
31. SALT															
	HIMACHAL PRADESH														
	Mandi	1	1	1	15	--	9	24	24	--	5	--	2	16212	18851
	TOTAL : SALT	1	1	1	15	--	9	24	24	--	5	--	2	16212	18851
32. SANDSTONE															
	ANDHRA PRADESH														
	Srikakulam	1	1	--	--	102	350	452	445	7	--	--	255	1388364	362238
	HARYANA														
	Karnal	1	1	--	--	16	--	16	16	--	--	--	--	226986	8371
	JHARKHAND														
	Sahebganj	2	2	--	--	25	8	33	31	2	--	--	--	11254	2251
	RAJASTHAN														
	Bundi	1	1	--	--	164	27	191	187	4	--	--	--	55743	70000
	UTTAR PRADESH														
	Allahabad	1	1	--	--	36	2	38	38	--	--	33	2	404715	96753
	TOTAL : SANDSTONE	6	6	--	--	343	387	730	717	13	--	33	257	2087062	539613
33. SELENITE															
	RAJASTHAN														
	Barmer	2	1	--	--	10	2	12	12	--	--	6	--	1436	1404
	TOTAL : SELENITE	2	1	--	--	10	2	12	12	--	--	6	--	1436	1404

STATEMENT NO. 1.2 (CONT.)

Sl. No.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
34. SILICA															
	ANDHRA PRADESH														
	Nellore	3	--	--	--	48	--	48	17	31	--	--	--	413091	17095
	GOA														
	South Goa	Employment with Iron												28570 (PR)	10993
	GUJARAT														
	Kachchh	1	1	--	--	11	--	11	11	--	--	9	--	96830	17742
	HARYANA														
	Faridabad	11	10	--	--	1320	381	1701	1701	--	--	293	--	8353649	1523890
	Gurgaon	3	3	--	--	168	16	184	184	--	--	--	--	1037022	103702
														347116 (PR)	49533
TOTAL : HARYANA		14	13	--	--	1488	397	1885	1885	--	--	293	--	9390671	1627593
														347116 (PR)	49533
	JHARKHAND														
	Sahebganj	Employment with Iron and China Clay,clay,white-clay												43137 (PR)	8808
	KARNATAKA														
	Dakshin Kannada	2	--	--	--	9	2	11	6	5	--	9	2	3310	662
	Udipi	5	--	--	--	34	6	40	15	25	--	26	5	21250	4250
TOTAL : KARNATAKA		7	--	--	--	43	8	51	21	30	--	35	7	24560	4912
	MAHARASHTRA														
	Ratnagiri	1	1	--	--	23	8	31	19	12	--	20	3	8703 (PR)	2499
	Sindhudurg	7	3	--	--	191	141	332	280	52	--	12	--	232661	36974
														34473 (PR)	17237
TOTAL : MAHARASHTRA		8	4	--	--	214	149	363	299	64	--	32	3	232661	36974
														43176 (PR)	19735
	RAJASTHAN														
	Bharatpur	2	1	--	--	37	11	48	48	--	--	--	--	27175	898
	Bikaner	Employment with China Clay,clay,white-clay												11551	1982
	Bundi	2	1	--	--	77	280	357	231	126	--	--	--	86945	13654
														56587 (PR)	18108
	Jaipur	2	2	--	--	51	13	64	49	15	--	--	--	14275	4283
														11143 (PR)	1337
	Dausa	1	--	--	--	16	1	17	17	--	--	--	--	4745	949
TOTAL : RAJASTHAN		7	4	--	--	181	305	486	345	141	--	--	--	144691	21766
														67730 (PR)	19445

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y	E M P L O Y M E N T			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE					
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	TAMIL NADU														
	Chengalpattu (Anna)	1	--	--	--	30	4	34	5	29	--	29	--	1753 (PR)	358
	Kancheepuram	1	--	--	--	6	4	10	10	--	--	4	--	465	139
	Villupuram	2	--	--	--	23	3	26	26	--	--	17	--	2161	642
	TOTAL : TAMIL NADU	4	--	--	--	59	11	70	41	29	--	50	--	2626	781
														1753 (PR)	358
TOTAL : SILICA		44	22	--	--	2044	870	2914	2619	295	--	419	10	10305130	1726863
														531482 (PR)	108873
35. SILLIMANITE															
	KERALA														
	Kollam	1	1	--	--	232	584	816	771	45	--	206	190	94345 (PR)	917980
	MAHARASHTRA														
	Bhandara	4	3	--	--	340	48	388	371	17	--	--	--	7714	1129
														615 (LM)	3690
														48722 (PR)	359975
														615 (LM)	3690
														48722 (PR)	359975
	ORISSA														
	Ganjam	1	1	--	--	113	711	824	776	48	--	9	15	236768 (PR)	1362982
	TAMIL NADU														
	Kanyakumari	2	1	--	--	1189	407	1596	1585	11	--	1180	27	138775	43714
														54147 (PR)	530000
														54147 (PR)	530000
TOTAL : SILLIMANITE		8	6	--	--	1874	1750	3624	3503	121	--	1395	232	146489	44843
														615 (LM)	3690
														433982 (PR)	3170937
36. SLATE															
	HARYANA														
	Rewani	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392
TOTAL : SLATE		2	1	--	--	167	12	179	179	--	--	--	--	150164	142392

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST		ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C			A/G
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
37. STEATITE															
	ANDHRA PRADESH														
	Anantpur	2	--	2	19	--	18	37	28	9	--	--	8	3328	1215
	Kurnool	7	5	1	7	117	36	160	134	26	--	--	--	79638	22110
TOTAL : ANDHRA PRADESH		9	5	3	26	117	54	197	162	35	--	--	8	82966	23325
	BIHAR														
	Munger	1	--	--	--	11	--	11	11	--	--	--	--	2961	394
	Nawada	1	1	--	--	14	5	19	19	--	--	--	--	2154	261
TOTAL : BIHAR		2	1	--	--	25	5	30	30	--	--	--	--	5115	655
	JHARKHAND														
	Pakur	1	1	--	--	22	1	23	23	--	--	--	--	Nil	Nil
	Saraikhela Kharsawan	1	1	--	--	--	1	1	1	--	--	--	--	Nil	Nil
TOTAL : JHARKHAND		2	2	--	--	22	2	24	24	--	--	--	--	Nil	Nil
	MADHYA PRADESH														
	Shivpuri	2	1	--	--	165	72	237	147	90	--	--	--	31313	18680
	Tikamgarh	2	1	--	--	74	9	83	59	24	--	--	--	28389	33136
TOTAL : MADHYA PRADESH		4	2	--	--	239	81	320	206	114	--	--	--	59702	51815
	MAHARASHTRA														
	Bhandara	Employment with Sillimanite												466 (LM)	2796
	ORISSA														
	Keonjhar	1	1	--	--	25	11	36	29	7	--	--	--	11787	177
	RAJASTHAN														
	Banswara	1	--	--	--	13	4	17	17	--	--	--	--	1450	715
	Bhilwara	14	6	--	--	605	108	713	713	--	--	--	--	336488	102542
	Dungarpur	3	2	--	--	287	85	372	236	136	--	--	--	22741	10276
	Jaipur	1	1	--	--	17	13	30	30	--	--	14	8	6180	10
	Sawai Madhopur	1	--	--	--	40	--	40	40	--	--	--	--	114480	3990
	Udaipur	28	20	5	331	831	239	1401	1274	127	--	57	22	384064	447857
	Rajsamand	3	2	--	--	110	40	150	110	40	--	29	--	82403	11634

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY	EMPLOYMENT						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Dausa	1	--	--	--	23	1	24	22	2	--	--	--	1690	338
	Karauli	1	--	--	--	30	--	30	30	--	--	--	--	3510	862
	Pratapgarh	2	1	--	--	89	5	94	94	--	--	--	--	82226	57198
TOTAL : RAJASTHAN		55	32	5	331	2045	495	2871	2566	305	--	100	30	1035232	635422
UTTARANCHAL															
	Almora	1	--	--	--	40	5	45	45	--	--	--	--	517	256
	Bageshwer	29	--	--	--	1197	141	1338	1288	50	--	59	--	3092636 12700 (PR)	1615981 7620
TOTAL : UTTARANCHAL		30	--	--	--	1237	146	1383	1333	50	--	59	--	3093153 12700 (PR)	1616237 7620
UTTAR PRADESH															
	Lalitpur	1	--	--	--	126	118	244	211	33	--	--	--	441	154
TOTAL : STEATITE		104	43	8	357	3836	912	5105	4561	544	--	159	38	4288396 466 (LM) 12700 (PR)	2327785 2796 7620
38. STONE															
ANDHRA PRADESH															
	Mahboob Nagar	1	1	--	--	26	2	28	28	--	--	--	--	Nil	Nil
	Nellore	1	--	--	--	48	2	50	50	--	--	--	--	6301	1385
TOTAL : ANDHRA PRADESH		2	1	--	--	74	4	78	78	--	--	--	--	6301	1385
BIHAR															
	Gaya	1	1	--	--	13	8	21	21	--	--	--	--	14242	570
	Nawada	3	3	--	--	54	20	74	74	--	--	--	--	2220883	659147
TOTAL : BIHAR		4	4	--	--	67	28	95	95	--	--	--	--	2235125	659717
DELHI															
	Delhi	1	1	--	--	1	--	1	1	--	--	--	--	Nil	Nil
GOA															
	North Goa	6	6	--	--	76	42	118	115	3	--	21	17	385665 3743 (PR)	128531 1692
	South Goa	2	--	--	--	187	2	189	180	9	--	181	--	350037	51656
TOTAL : GOA		8	6	--	--	263	44	307	295	12	--	202	17	735702 3743 (PR)	180188 1692

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY		EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE						
											B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
GUJARAT																
	Kheda	1	1	--	--	28	29	57	57	--	--	--	--	101719	10172	
	Panch Mahals	1	1	--	--	20	78	98	96	2	--	--	--	55788	7197	
	Sabar Kantha	1	1	--	--	23	--	23	23	--	--	--	--	34125	1194	
	Valsad	1	--	--	--	27	23	50	34	16	--	--	--	115100	17295	
TOTAL : GUJARAT		4	3	--	--	98	130	228	210	18	--	--	--	306732	35858	
HARYANA																
	Faridabad	5	3	--	--	586	55	641	641	--	--	84	--	6397351	448217	
														6639167 (PR)	464322	
	Gurgaon	15	5	--	--	1461	135	1596	1596	--	--	1027	15	4723247	351964	
	Mewat	2	2	--	--	50	16	66	66	--	--	--	--	69774	4884	
TOTAL : HARYANA		22	10	--	--	2097	206	2303	2303	--	--	1111	15	11190372	805065	
														6639167 (PR)	464322	
JHARKHAND																
	Koderma	2	2	--	--	30	22	52	52	--	--	--	--	28331	1987	
	Deoghar	1	1	--	--	18	4	22	22	--	--	--	--	22013	1538	
	Sahebganj	33	26	--	--	425	461	886	766	120	--	138	125	8424011	461017	
														113999 (PR)	4355	
	West Singbhum	1	1	--	--	4	3	7	7	--	--	--	--	61074	4083	
	Garhwa	1	--	--	--	15	1	16	16	--	--	--	--	1080	54	
	Pakur	59	40	--	--	639	623	1262	1173	89	--	193	171	4400067	286685	
														36860 (PR)	2167	
TOTAL : JHARKHAND		97	70	--	--	1131	1114	2245	2036	209	--	331	296	12936576	755365	
														150859 (PR)	6522	
KARNATAKA																
	Belgaum	1	1	--	--	17	2	19	18	1	--	--	--	78	25	
KERALA																
	Pathanamthitta	Employment with Granite												113863	10623	
MAHARASHTRA																
	Mumbai	2	1	--	--	61	8	69	69	--	--	--	--	170868	12380	
	Nagpur	1	1	--	--	21	35	56	45	11	--	19	33	16578	1409	
	Pune	1	1	--	--	16	--	16	16	--	--	--	--	15273	1527	
	Ratnagiri	1	1	--	--	94	29	123	123	--	--	--	--	Nil	Nil	
	Thane	5	4	--	--	55	9	64	53	11	--	--	--	157662	44291	
	Raigad	2	2	--	--	66	9	75	75	--	--	--	--	156300	62580	
TOTAL : MAHARASHTRA		12	10	--	--	313	90	403	381	22	--	19	33	516681	122187	

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE		DAILY ABOVE GROUND	EMPLOYMENT			CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST		TOTAL	MALE	FEMALE					
							B/G				O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ORISSA															
	Baleshwar	1	1	--	--	10	5	15	15	--	--	--	--	24106	10788
	Sundergarh	1	1	--	--	27	--	27	27	--	--	--	--	116946 (PR)	39096
TOTAL : ORISSA		2	2	--	--	37	5	42	42	--	--	--	--	24106 116946 (PR)	10788 39096
RAJASTHAN															
	Jaipur	1	1	--	--	60	75	135	135	--	--	--	--	Nil	Nil
	Sikar	1	--	--	--	14	6	20	20	--	--	--	--	187830	48462
	Dausa	1	1	--	--	41	19	60	60	--	--	36	--	64689	5499
TOTAL : RAJASTHAN		3	2	--	--	115	100	215	215	--	--	36	--	252519	53961
TAMIL NADU															
	Chengalpattu(Anna)	2	1	--	--	228	28	256	168	88	--	6	22	55280	2073
	Kancheepuram	3	2	--	--	102	14	116	116	--	--	--	--	1187005	51900
	Thoothukkudi	2	1	--	--	56	47	103	103	--	--	--	--	181103	8305
TOTAL : TAMIL NADU		7	4	--	--	386	89	475	387	88	--	6	22	1423388	62278
WEST BENGAL															
	Birbhum	13	13	--	--	374	345	719	707	12	--	83	97	925576	62699
	Burdwan	2	--	--	--	21	29	50	36	14	--	--	--	15554	1465
TOTAL : WEST BENGAL		15	13	--	--	395	374	769	743	26	--	83	97	941130	64165
TOTAL : STONE		178	127	--	--	4994	2186	7180	6804	376	--	1788	480	30682573 6910715 (PR)	2761604 511632
39. VERMICULITE															
ANDHRA PRADESH															
	Nellore	1	--	--	--	16	4	20	13	7	--	--	--	6353	635
TAMIL NADU															
	North Arcot	1	--	--	--	17	4	21	16	5	--	--	--	1573	2328
TOTAL : VERMICULITE		2	--	--	--	33	8	41	29	12	--	--	--	7926	2963

STATEMENT NO. 1.2 (CONT.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y		E M P L O Y M E N T					OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
40. WOLLASTONITE															
	RAJASTHAN														
	Sirohi	2	2	--	--	499	187	686	560	126	--	24	--	63820	55105
	Udaipur	1	1	--	--	268	62	330	271	59	--	77	--	137242	106415
	TOTAL : RAJASTHAN	3	3	--	--	767	249	1016	831	185	--	101	--	201062	161520
TOTAL : WOLLASTONITE		3	3	--	--	767	249	1016	831	185	--	101	--	201062	161520
41. DUNITE															
	KARNATAKA														
	Mysore	Employment with Magnesite												870	190
	TAMIL NADU														
	Salem	Employment with Magnesite												19160	4194
TOTAL : DUNITE		Employment with Magnesite												20030	4385
TOTAL : METALLIFEROUS		1961	1349	74	9031	101083	52683	162797	149400	13397	1306	26217	11623	--	366828514

* Output of all minerals are shown in tonnes except corundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corundum, mica and garnet are in kilograms.

PR : Processed, FN : Fine, AB : Abrasive, PL : Pallets, LM : Lumps, GE : Gems.

STATEMENT NO. 1.3

AVERAGE DAILY EMPLOYMENT IN METALLIFEROUS MINES DURING THE YEAR 2010 : STATEWISE

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1. APATITE & ROCK PHOSPHATE																
	ANDHRA PRADESH	3	21	3	--	--	--	--	--	1	--	--	--	4	7	39
	MADHYA PRADESH	--	--	--	7	103	75	43	4	3	--	--	--	3	--	238
	RAJASTHAN	--	--	--	44	748	--	58	--	132	--	301	--	30	--	1313
	UTTARANCHAL	10	2	55	--	--	--	--	--	25	--	53	--	151	--	296
	WEST BENGAL	--	--	--	2	16	--	84	--	10	--	--	--	13	3	128
TOTAL : APATITE & ROCK PHOSPHA		13	23	58	53	867	75	185	4	171	--	354	--	201	10	2014
2. ASBESTOS																
	ANDHRA PRADESH	7	16	40	4	56	--	--	--	5	--	1	--	10	--	139
3. BARYTES																
	ANDHRA PRADESH	2	7	--	23	264	--	45	--	79	18	--	--	89	45	572
	HIMACHAL PRADESH	3	12	1	--	--	--	--	--	--	--	--	--	--	--	16
	RAJASTHAN	--	--	--	2	9	--	--	--	1	--	--	--	5	--	17
TOTAL : BARYTES		5	19	1	25	273	--	45	--	80	18	--	--	94	45	605
4. BAUXITE																
	CHHATTISHGARH	--	--	--	27	1317	159	221	1	60	--	--	--	47	--	1832
	GUJARAT	--	--	--	65	440	175	72	10	26	--	--	--	18	--	806
	JHARKHAND	--	--	--	50	840	--	240	--	61	--	--	--	218	2	1411
	KARNATAKA	--	--	--	4	11	10	10	--	14	--	--	--	--	--	49
	MADHYA PRADESH	--	--	--	60	519	142	37	--	19	--	--	--	16	--	793
	MAHARASHTRA	--	--	--	24	454	96	119	--	23	--	--	--	12	--	728
	ORISSA	--	--	--	18	72	--	272	--	61	--	--	--	268	--	691
	RAJASTHAN	--	--	--	4	40	17	--	--	1	--	--	--	--	--	62
	TAMIL NADU	--	--	--	3	18	--	--	--	3	--	--	--	8	--	32
	UTTAR PRADESH	--	--	--	9	161	49	--	--	3	--	--	--	16	--	238
TOTAL : BAUXITE		--	--	--	264	3872	648	971	11	271	--	--	--	603	2	6642

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
5.	CALCITE															
	RAJASTHAN	--	--	--	24	343	152	125	--	84	--	75	--	53	3	859
6.	CHINA CLAY, CLAY, WHITE-CLAY															
	ANDHRA PRADESH	--	--	--	12	66	--	24	32	5	--	--	--	5	--	144
	GUJARAT	--	--	--	71	263	--	19	--	13	--	16	--	23	6	411
	HARYANA	--	--	--	2	14	--	34	--	16	--	--	--	--	--	66
	JHARKHAND	--	--	--	8	94	53	11	3	64	--	239	66	89	28	655
	KARNATAKA	--	--	--	5	17	4	13	14	13	1	22	--	15	--	104
	KERALA	--	--	--	9	106	49	20	41	58	15	107	73	60	41	579
	ORISSA	--	--	--	--	18	25	--	--	--	--	--	--	9	7	59
	RAJASTHAN	--	--	--	62	116	27	39	--	29	--	--	--	59	14	346
	TAMIL NADU	--	--	--	--	11	--	--	--	2	--	--	--	--	--	13
	WEST BENGAL	--	--	--	13	119	--	47	--	59	--	--	--	124	2	364
TOTAL : CHINA CLAY, CLAY, WHITE-		--	--	--	182	824	158	207	90	259	16	384	139	384	98	2741
7.	CHROMITE															
	KARNATAKA	11	97	3	4	19	34	3	--	37	3	34	27	52	2	326
	ORISSA	126	864	281	138	1823	198	1380	103	538	11	607	450	1726	77	8322
TOTAL : CHROMITE		137	961	284	142	1842	232	1383	103	575	14	641	477	1778	79	8648
8.	COPPER															
	JHARKHAND	72	917	81	--	--	--	--	--	49	--	266	--	119	1	1505
	MADHYA PRADESH	--	--	--	18	113	--	103	--	40	--	66	--	42	--	382
	RAJASTHAN	61	282	279	--	9	--	--	--	22	--	146	11	202	--	1012
TOTAL : COPPER		133	1199	360	18	122	--	103	--	111	--	478	11	363	1	2899
9.	DIAMOND															
	MADHYA PRADESH	--	--	--	5	22	--	8	--	5	2	49	--	30	--	121
10.	DOLOMITE															
	ANDHRA PRADESH	--	--	--	23	131	--	139	--	23	1	54	--	41	4	416
	CHHATTISHGARH	--	--	--	48	321	154	169	5	60	--	584	--	15	--	1356
	JHARKHAND	--	--	--	6	241	--	4	--	16	--	--	--	38	--	305
	KARNATAKA	--	--	--	13	95	51	14	--	10	--	--	--	14	--	197
	MADHYA PRADESH	--	--	--	5	236	107	3	--	3	--	--	--	7	--	361

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL	
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others			
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	MAHARASHTRA	--	--	--	4	10	10	4	--	4	--	--	--	3	1	36	
	ORISSA	--	--	--	--	8	112	--	63	--	13	--	16	--	43	3	258
	WEST BENGAL	--	--	--	--	--	--	--	--	31	--	--	--	--	--	--	31
TOTAL : DOLOMITE		--	--	--	107	1146	322	396	5	160	1	654	--	161	8	2960	
11. FELSPAR																	
	ANDHRA PRADESH	--	--	--	29	49	19	40	4	12	--	--	--	--	--	--	153
	KARNATAKA	--	--	--	--	--	--	--	10	--	--	--	--	--	--	7	17
	WEST BENGAL	--	--	--	1	14	--	--	--	2	--	--	--	--	--	--	17
TOTAL : FELSPAR		--	--	--	30	63	19	40	14	14	--	--	--	--	--	7	187
12. FIRE-CLAY																	
	ANDHRA PRADESH	--	--	--	14	14	--	2	--	--	--	--	--	--	--	--	30
	GUJARAT	--	--	--	2	32	--	2	--	--	--	--	--	--	--	--	36
	MADHYA PRADESH	--	--	--	2	38	16	2	--	2	--	--	--	2	--	--	62
	ORISSA	--	--	--	10	98	--	59	--	15	--	--	--	--	5	--	187
	RAJASTHAN	--	--	--	12	72	15	24	4	2	--	--	--	3	--	--	132
	TAMIL NADU	--	--	--	1	42	--	--	--	--	--	--	--	--	--	--	43
	WEST BENGAL	--	--	--	1	28	--	3	--	2	--	--	--	--	--	--	34
TOTAL : FIRE-CLAY		--	--	--	42	324	31	92	4	21	--	--	--	10	--	524	
13. FLUORITE																	
	GUJARAT	--	--	--	3	--	--	52	2	6	--	--	--	--	--	--	63
	MAHARASHTRA	--	--	--	2	19	15	1	--	2	--	--	--	--	5	--	44
	RAJASTHAN	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	10
TOTAL : FLUORITE		--	--	--	15	19	15	53	2	8	--	--	--	5	--	117	
14. GALENA & SPHALARITE																	
	ANDHRA PRADESH	2	--	8	--	--	--	--	--	--	--	--	--	30	--	40	
	RAJASTHAN	111	786	391	24	--	--	460	--	552	5	117	1	928	69	3444	
TOTAL : GALENA & SPHALARITE		113	786	399	24	--	--	460	--	552	5	117	1	958	69	3484	

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
15.	GARNET															
	ANDHRA PRADESH	--	--	--	--	28	10	--	--	14	--	--	--	24	--	76
	TAMIL NADU	--	--	--	16	51	10	1013	12	11	--	3	--	6	--	1122
TOTAL : GARNET		--	--	--	16	79	20	1013	12	25	--	3	--	30	--	1198
16.	GOLD															
	JHARKHAND	5	31	--	--	--	--	--	--	4	--	12	--	--	--	52
	KARNATAKA	105	1334	54	--	--	--	--	--	506	56	--	--	849	58	2962
	UTTARANCHAL	2	5	--	--	--	--	--	--	3	--	--	--	12	--	22
TOTAL : GOLD		112	1370	54	--	--	--	--	--	513	56	12	--	861	58	3036
17.	GRANITE															
	ANDHRA PRADESH	--	--	--	266	1774	1	1110	1	295	8	347	--	581	36	4419
	GOA	--	--	--	4	110	7	8	--	3	--	--	--	6	--	138
	KARNATAKA	--	--	--	129	780	12	212	3	104	--	4	--	136	1	1381
	KERALA	--	--	--	8	77	45	10	5	13	3	11	--	33	11	216
	MADHYA PRADESH	--	--	--	1	--	--	184	--	5	--	--	--	15	--	205
	ORISSA	--	--	--	2	19	--	5	--	2	--	--	--	2	--	30
	TAMIL NADU	--	--	--	210	1519	15	748	10	176	1	36	--	186	5	2906
TOTAL : GRANITE		--	--	--	620	4279	80	2277	19	598	12	398	--	959	53	9295
18.	GRAPHITE															
	JHARKHAND	--	--	--	1	59	--	1	--	--	--	--	--	--	--	61
	ORISSA	--	--	--	12	101	92	25	12	9	--	--	--	12	3	266
	TAMIL NADU	--	--	--	3	17	--	19	--	3	--	--	--	1	--	43
TOTAL : GRAPHITE		--	--	--	16	177	92	45	12	12	--	--	--	13	3	370
19.	GYPSUM															
	JAMMU & KASHMIR	--	--	--	5	59	--	15	--	5	--	--	--	--	--	84
	RAJASTHAN	--	--	--	48	70	--	38	--	44	--	--	--	22	--	222
TOTAL : GYPSUM		--	--	--	53	129	--	53	--	49	--	--	--	22	--	306

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D						GRAND TOTAL	
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men		Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
20. IRON																
	ANDHRA PRADESH	--	--	--	16	82	--	71	--	16	--	--	--	44	4	233
	CHHATTISHGARH	--	--	--	139	1408	--	912	17	552	--	2258	2	1102	169	6559
	GOA	--	--	--	414	2023	5	1682	40	483	5	843	4	721	20	6240
	JHARKHAND	--	--	--	123	1118	3	700	--	550	17	1600	27	2821	109	7068
	KARNATAKA	12	--	--	615	2536	62	2393	25	538	--	40	10	1153	14	7398
	MADHYA PRADESH	--	--	--	4	6	--	31	14	--	--	--	--	--	--	55
	MAHARASHTRA	--	--	--	45	370	76	157	--	69	--	1	3	120	52	893
	ORISSA	--	--	--	747	7384	1410	2064	57	1593	26	2273	112	2856	275	18797
	RAJASTHAN	--	--	--	5	44	--	5	--	5	--	9	--	--	--	68
TOTAL : IRON		12	--	--	2108	14971	1556	8015	153	3806	48	7024	158	8817	643	47311
21. KYANITE																
	JHARKHAND	--	--	--	3	19	--	9	--	1	--	--	--	3	--	35
	MAHARASHTRA	--	--	--	7	63	--	3	--	4	--	15	--	1	--	93
TOTAL : KYANITE		--	--	--	10	82	--	12	--	5	--	15	--	4	--	128
22. LATERITE																
	GUJARAT	--	--	--	--	4	--	1	--	--	--	--	--	--	--	5
	KARNATAKA	--	--	--	1	37	--	27	--	9	--	--	--	--	--	74
	KERALA	--	--	--	1	--	--	10	3	1	--	--	--	2	1	18
	MADHYA PRADESH	--	--	--	1	16	23	--	--	1	--	--	--	--	--	41
	RAJASTHAN	--	--	--	11	39	--	62	--	7	--	--	--	14	--	133
TOTAL : LATERITE		--	--	--	14	96	23	100	3	18	--	--	--	16	1	271
23. LIMESTONE																
	ANDAMAN & NICOBAR IS	--	--	--	2	46	--	10	--	--	--	--	--	--	--	58
	ANDHRA PRADESH	--	--	--	262	1068	9	477	--	239	4	109	--	336	7	2511
	ASSAM	--	--	--	11	146	--	35	--	23	--	10	--	12	--	237
	BIHAR	--	--	--	6	8	--	103	3	14	--	--	--	88	1	223
	CHHATTISHGARH	--	--	--	83	347	--	417	--	77	--	34	--	73	--	1031
	GUJARAT	--	--	--	127	748	200	255	--	419	--	15	--	192	1	1957
	HIMACHAL PRADESH	--	--	--	62	689	12	194	--	46	--	3	--	82	3	1091
	HARYANA	--	--	--	1	11	--	2	--	1	--	--	--	1	--	16
	JHARKHAND	--	--	--	46	531	79	176	6	152	2	48	--	306	11	1357
	JAMMU & KASHMIR	--	--	--	2	32	--	--	--	4	--	--	--	--	--	38

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D						GRAND TOTAL		
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others			
						Men	Women	Men	Women	Men	Women	Men	Women	Men		Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
	KARNATAKA	--	--	--	95	469	22	336	15	96	--	80	--	33	11	1157	
	KERALA	--	--	--	--	4	60	--	57	--	12	--	121	--	--	--	254
	MEGHALAYA	--	--	--	--	36	142	--	154	--	57	1	--	--	58	--	448
	MADHYA PRADESH	--	--	--	--	203	1615	123	471	--	139	2	120	--	817	70	3560
	MAHARASHTRA	--	--	--	--	38	229	43	154	--	37	--	12	--	85	--	598
	ORISSA	--	--	--	--	177	1051	361	454	--	50	2	258	11	494	56	2914
	RAJASTHAN	--	--	--	--	304	5994	502	1059	191	401	7	153	8	402	13	9034
	TAMIL NADU	--	--	--	--	139	831	34	396	--	93	--	46	--	122	--	1661
	UTTARANCHAL	--	--	--	--	5	24	--	2	--	33	--	--	--	--	--	64
	UTTAR PRADESH	--	--	--	--	7	38	--	10	--	9	--	--	--	--	--	64
	TOTAL : LIMESTONE	--	--	--	--	1610	14079	1385	4762	215	1902	18	1009	19	3101	173	28273
	24. MAGNESITE																
	JHARKHAND	--	--	--	--	1	27	19	--	--	6	--	--	--	4	--	57
	KARNATAKA	--	--	--	--	11	32	24	35	6	10	--	16	--	37	--	171
	TAMIL NADU	--	--	--	--	33	379	93	606	818	40	3	--	--	--	--	1972
	UTTARANCHAL	--	--	--	--	12	48	--	77	--	15	--	--	--	40	--	192
	TOTAL : MAGNESITE	--	--	--	--	57	486	136	718	824	71	3	16	--	81	--	2392
	25. MANGANESE																
	ANDHRA PRADESH	--	--	--	--	43	417	439	125	17	15	--	--	--	29	3	1088
	GOA	--	--	--	--	22	152	69	128	35	12	--	--	--	43	14	475
	GUJARAT	--	--	--	--	3	3	--	3	--	4	--	2	--	8	--	23
	JHARKHAND	--	--	--	--	5	5	3	43	--	9	--	19	4	5	--	93
	KARNATAKA	--	--	--	--	67	708	63	487	14	241	12	--	--	572	102	2266
	MADHYA PRADESH	100	1013	156	--	35	320	75	140	22	173	21	385	150	189	125	2904
	MAHARASHTRA	54	667	195	--	43	514	182	301	178	100	11	132	52	467	29	2925
	ORISSA	--	--	--	--	124	1242	1053	259	34	170	14	15	1	987	198	4097
	TOTAL : MANGANESE	154	1680	351	--	342	3361	1884	1486	300	724	58	553	207	2300	471	13871
	26. MARBLE																
	GUJARAT	--	--	--	--	55	210	--	18	--	21	--	--	--	28	--	332
	MADHYA PRADESH	--	--	--	--	4	49	--	--	--	29	--	--	--	--	--	82
	RAJASTHAN	--	--	--	--	47	886	--	248	--	228	--	10	--	45	--	1464
	TOTAL : MARBLE	--	--	--	--	106	1145	--	266	--	278	--	10	--	73	--	1878

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
27. MICA																
	ANDHRA PRADESH	36	154	85	10	26	--	26	--	33	--	3	11	48	53	485
	BIHAR	5	21	10	2	14	--	3	--	7	--	--	--	7	--	69
	JHARKHAND	2	11	2	--	--	--	--	--	3	--	--	--	9	--	27
	RAJASTHAN	--	--	--	2	106	--	2	--	--	--	--	--	--	--	110
TOTAL : MICA		43	186	97	14	146	--	31	--	43	--	3	11	64	53	691
28. OCHRE																
	GUJARAT	--	--	--	--	16	--	--	--	--	--	--	--	--	--	16
	MADHYA PRADESH	2	--	12	--	--	--	--	--	1	--	4	--	--	--	19
TOTAL : OCHRE		2	--	12	--	16	--	--	--	1	--	4	--	--	--	35
29. QUARTZ																
	ANDHRA PRADESH	--	--	--	9	157	14	54	--	9	--	--	--	4	27	274
	BIHAR	--	--	--	3	18	--	9	--	7	--	--	--	--	--	37
	CHHATTISHGARH	--	--	--	58	79	10	2	--	4	2	--	--	--	--	155
	JHARKHAND	1	4	27	2	46	--	1	--	10	--	11	--	3	1	106
	ORISSA	--	--	--	11	57	9	32	--	3	--	--	--	--	--	112
	RAJASTHAN	--	--	--	2	49	1	2	--	3	--	--	--	7	--	64
	TAMIL NADU	--	--	--	10	68	137	10	--	4	--	--	--	--	--	229
TOTAL : QUARTZ		1	4	27	95	474	171	110	--	40	2	11	--	14	28	977
30. SALT																
	HIMACHAL PRADESH	3	9	3	--	--	--	--	--	1	--	--	--	8	--	24
31. SANDSTONE																
	ANDHRA PRADESH	--	--	--	5	--	--	97	--	95	--	248	--	--	7	452
	HARYANA	--	--	--	--	5	--	11	--	--	--	--	--	--	--	16
	JHARKHAND	--	--	--	3	21	1	--	--	2	--	--	--	5	1	33
	RAJASTHAN	--	--	--	7	126	--	27	4	12	--	15	--	--	--	191
	UTTAR PRADESH	--	--	--	3	--	--	33	--	2	--	--	--	--	--	38
TOTAL : SANDSTONE		--	--	--	18	152	1	168	4	111	--	263	--	5	8	730

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
32.	SELENITE															
	RAJASTHAN	--	--	--	4	6	--	--	--	1	--	--	--	1	--	12
33.	SILICA															
	ANDHRA PRADESH	--	--	--	1	11	20	5	11	--	--	--	--	--	--	48
	GUJARAT	--	--	--	--	9	--	2	--	--	--	--	--	--	--	11
	HARYANA	--	--	--	98	1097	--	293	--	182	--	25	--	190	--	1885
	KARNATAKA	--	--	--	--	10	30	3	--	8	--	--	--	--	--	51
	MAHARASHTRA	--	--	--	13	110	59	28	4	50	--	24	--	74	1	363
	RAJASTHAN	--	--	--	21	77	5	68	10	26	--	118	126	35	--	486
	TAMIL NADU	--	--	--	6	21	29	3	--	7	--	--	--	4	--	70
TOTAL : SILICA		--	--	--	139	1335	143	402	25	273	--	167	126	303	1	2914
34.	SILLIMANITE															
	KERALA	--	--	--	2	20	--	210	--	77	25	462	20	--	--	816
	MAHARASHTRA	--	--	--	10	313	13	4	--	17	4	17	--	10	--	388
	ORISSA	--	--	--	7	83	--	23	--	57	--	481	44	125	4	824
	TAMIL NADU	--	--	--	8	1180	--	1	--	139	11	--	--	257	--	1596
TOTAL : SILLIMANITE		--	--	--	27	1596	13	238	--	290	40	960	64	392	4	3624
35.	SLATE															
	HARYANA	--	--	--	4	154	--	9	--	12	--	--	--	--	--	179
36.	STEATITE															
	ANDHRA PRADESH	3	9	14	9	100	--	8	--	7	5	3	4	9	26	197
	BIHAR	--	--	--	2	22	--	1	--	4	--	--	--	1	--	30
	JHARKHAND	--	--	--	3	8	--	11	--	2	--	--	--	--	--	24
	MADHYA PRADESH	--	--	--	24	119	90	6	--	5	--	15	--	37	24	320
	ORISSA	--	--	--	1	11	7	6	--	1	--	--	--	10	--	36
	RAJASTHAN	10	110	211	147	1085	163	618	32	187	15	10	21	188	74	2871
	UTTARANCHAL	--	--	--	74	953	1	160	49	99	--	11	--	36	--	1383
	UTTAR PRADESH	--	--	--	1	2	--	90	33	7	--	111	--	--	--	244
TOTAL : STEATITE		13	119	225	261	2300	261	900	114	312	20	150	25	281	124	5105

STATEMENT NO. 1.3 (CONTD.)

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T					A B O V E G R O U N D						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
37. STONE																
	ANDHRA PRADESH	--	--	--	26	32	--	16	--	3	--	--	--	1	--	78
	BIHAR	--	--	--	9	34	--	24	--	12	--	4	--	12	--	95
	DELHI	--	--	--	1	--	--	--	--	--	--	--	--	--	--	1
	GOA	--	--	--	13	127	2	112	9	14	1	--	--	29	--	307
	GUJARAT	--	--	--	8	64	4	16	6	52	2	44	--	26	6	228
	HARYANA	--	--	--	201	1821	--	75	--	153	--	--	--	53	--	2303
	JHARKHAND	--	--	--	220	582	--	326	3	294	11	168	95	446	100	2245
	KARNATAKA	--	--	--	1	15	--	--	1	2	--	--	--	--	--	19
	MAHARASHTRA	--	--	--	45	193	9	64	2	57	--	--	--	22	11	403
	ORISSA	--	--	--	5	29	--	3	--	2	--	3	--	--	--	42
	RAJASTHAN	--	--	--	22	88	--	5	--	81	--	--	--	19	--	215
	TAMIL NADU	--	--	--	16	246	86	38	--	27	--	36	--	24	2	475
	WEST BENGAL	--	--	--	47	244	--	104	--	153	--	68	--	127	26	769
TOTAL : STONE		--	--	--	614	3475	101	783	21	850	14	323	95	759	145	7180
38. VERMICULITE																
	ANDHRA PRADESH	--	--	--	1	8	7	--	--	4	--	--	--	--	--	20
	TAMIL NADU	--	--	--	1	9	5	2	--	4	--	--	--	--	--	21
TOTAL : VERMICULITE		--	--	--	2	17	12	2	--	8	--	--	--	--	--	41
39. WOLLASTONITE																
	RAJASTHAN	--	--	--	26	345	154	235	7	66	1	63	3	96	20	1016
TOTAL : METALLIFEROUS		748	6372	1911	7091	58673	7684	25693	1942	12325	328	13737	1336	22850	2107	162797

STATEMENT NO. 1.4
STATEWISE DISTRIBUTION OF MINES, EMPLOYMENT AND OUTPUT FOR METALLIFEROUS MINES DURING THE YEAR 2010

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
ANDAMAN & NICOBAR ISLAND										
	1. Limestone	1	--	58	--	--	--	58	Nil	Nil
TOTAL : ANDAMAN & NICOBAR IS		1	--	58	--	--	--	58	--	Nil
ANDHRA PRADESH										
	1. Apatite & Rock Phospha	1	27	--	--	5	7	39	3765	7831
	2. Asbestos	4	63	60	--	16	--	139	15703	122457
									117 (PR)	516
	3. Barytes	3	9	332	--	168	63	572	2114854	1562493
	4. China Clay,clay,white-	7	--	102	32	10	--	144	207962	18034
									36910 (PR)	34
	5. Dolomite	8	--	293	--	118	5	416	1211927	402094
	6. Felspar	7	--	118	23	12	--	153	487331	106776
									62584 (LM)	250336
									24962 (PR)	40899
	7. Fire-clay	2	--	30	--	--	--	30	40200	3491
	8. Galena & Sphalarite	1	10	--	--	30	--	40	1079	811
	9. Garnet	2	--	28	10	38	--	76	156329	14902
	10. Granite	77	--	3150	2	1223	44	4419	810456	7490677
									72908 (PR)	606955
	11. Iron	8	--	169	--	60	4	233	2668948	2830052
									27770 (FN)	5547
									350232 (LM)	195957
	12. Limestone	69	--	1807	9	684	11	2511	57952347	7968397
									2120 (PR)	164
	13. Manganese	22	--	585	456	44	3	1088	366020	471137
									2529 (PR)	12643
	14. Mica	22	275	62	--	84	64	485	3843510	116416
	15. Quartz	10	--	220	14	13	27	274	205066	56758
									4940 (PR)	933
	16. Sandstone	1	--	102	--	343	7	452	1388364	362238
	17. Silica	3	--	17	31	--	--	48	413091	17095
	18. Steatite	9	26	117	--	19	35	197	82966	23325
	19. Stone	2	--	74	--	4	--	78	6301	1385
	20. Vermiculite	1	--	9	7	4	--	20	6353	635
TOTAL : ANDHRA PRADESH		259	410	7275	584	2875	270	11414	--	22690987

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	A V E R A G E D A I L Y E M P L O Y M E N T						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
ASSAM										
	1. Limestone	6	--	192	--	45	--	237	398663	143012
TOTAL : ASSAM		6	--	192	--	45	--	237	--	143012
BIHAR										
	1. Limestone	3	--	117	3	102	1	223	887461	313048
	2. Mica	3	36	19	--	14	--	69	462057	2593
	3. Quartz	2	--	30	--	7	--	37	67315	21609
	4. Steatite	2	--	25	--	5	--	30	5115	655
	5. Stone	4	--	67	--	28	--	95	2235125	659717
TOTAL : BIHAR		14	36	258	3	156	1	454	--	997621
CHHATTISHGARH										
	1. Bauxite	5	--	1565	160	107	--	1832	6764186	3046231
	2. Dolomite	9	--	538	159	659	--	1356	2607133	697657
	3. Iron	11	--	2459	17	3912	171	6559	3892289	1882401
									11731428 (FN)	24215292
									8171113 (LM)	20109726
									8575699 (PR)	2541869
	4. Limestone	16	--	847	--	184	--	1031	29102273	2876631
	5. Quartz	2	--	139	10	4	2	155	9463	1345
TOTAL : CHHATTISHGARH		43	--	5548	346	4866	173	10933	--	55371153
DELHI										
	1. Stone	1	--	1	--	--	--	1	Nil	Nil
TOTAL : DELHI		1	--	1	--	--	--	1	--	Nil
GOA										
	1. Granite	2	--	122	7	9	--	138	207786	32997
	2. Iron	75	--	4119	45	2047	29	6240	39599583	32532103
									9730773 (FN)	2891214
									1549722 (LM)	1677278
									4004806 (PR)	6690494
	3. Manganese	12	--	302	104	55	14	475	6878	8512
	4. Silica	Employment with Manganese and Iron							28570 (PR)	10993
	5. Stone	8	--	252	11	43	1	307	735702	180188
									3743 (PR)	1692
TOTAL : GOA		97	--	4795	167	2154	44	7160	--	44025470

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
GUJARAT										
	1. Bauxite	28	--	577	185	44	--	806	1366284	579712
	2. China Clay, clay, white-	27	--	353	--	52	6	411	3701769	4610471
									803376 (PR)	1322847
	3. Fire-clay	2	--	36	--	--	--	36	7550	755
	4. Fluorite	1	--	55	2	6	--	63	69016	41212
	5. Laterite	1	--	5	--	--	--	5	182669	32395
	6. Limestone	39	--	1130	200	626	1	1957	22055261	2365941
									27450 (PR)	1799
	7. Manganese	1	--	9	--	14	--	23	228207	622953
	8. Marble	4	--	283	--	49	--	332	699319	481070
	9. Ochre	1	--	16	--	--	--	16	592	59
	10. Silica	1	--	11	--	--	--	11	96830	17742
	11. Stone	4	--	88	10	122	8	228	306732	35858
TOTAL : GUJARAT		109	--	2563	397	913	15	3888	--	10112812
HIMACHAL PRADESH										
	1. Barytes	1	16	--	--	--	--	16	588	882
	2. Limestone	34	--	945	12	131	3	1091	11062201	1225433
	3. Salt	1	15	--	--	9	--	24	16212	18851
TOTAL : HIMACHAL PRADESH		36	31	945	12	140	3	1131	--	1245166
HARYANA										
	1. China Clay, clay, white-	2	--	50	--	16	--	66	86592	4661
	2. Limestone	1	--	14	--	2	--	16	2760	373
	3. Sandstone	1	--	16	--	--	--	16	226986	8371
	4. Silica	14	--	1488	--	397	--	1885	9390671	1627593
									347116 (PR)	49533
	5. Slate	2	--	167	--	12	--	179	150164	142392
	6. Stone	22	--	2097	--	206	--	2303	11190372	805065
									6639167 (PR)	464322
TOTAL : HARYANA		42	--	3832	--	633	--	4465	--	3102310

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
JHARKHAND										
	1. Bauxite	20	--	1130	--	279	2	1411	1802414	734056
	2. China Clay,clay,white-	10	--	113	56	392	94	655	220352 (PR)	26532
									172224	36966
									16780 (PR)	16992
	3. Copper	2	1070	--	--	434	1	1505	797351	900396
	4. Dolomite	1	--	251	--	54	--	305	491807	302096
	5. Gold	1	36	--	--	16	--	52	5052	22367
	6. Graphite	2	--	61	--	--	--	61	13736	6436
	7. Iron	22	--	1941	3	4971	153	7068	15128407	5324296
									6884190 (FN)	2234980
									4662131 (LM)	2072325
									113438 (PR)	38562
	8. Kyanite	1	--	31	--	4	--	35	3491	3998
	9. Limestone	18	--	753	85	506	13	1357	3656357	888061
									38767 (PR)	60586
	10. Magnesite	1	--	28	19	10	--	57	18551	12986
	11. Manganese	4	--	53	3	33	4	93	123460	31704
									15510 (PR)	8550
	12. Mica	2	15	--	--	12	--	27	19354	71
	13. Quartz	3	32	49	--	24	1	106	11727	42158
	14. Sandstone	2	--	24	1	7	1	33	11254	2251
	15. Silica	Employment with Stone and China Clay,clay,white-clay							43137 (PR)	8808
	16. Steatite	2	--	22	--	2	--	24	Nil	Nil
	17. Stone	97	--	1128	3	908	206	2245	12936576	755365
									150859 (PR)	6522
TOTAL : JHARKHAND		188	1153	5584	170	7652	475	15034	--	13537062
JAMMU & KASHMIR										
	1. Granite	Employment with Limestone							2000	164
	2. Gypsum	2	--	79	--	5	--	84	34166	28600
TOTAL : JAMMU & KASHMIR		3	--	113	--	9	--	122	--	28764
KARNATAKA										
	1. Bauxite	2	--	25	10	14	--	49	69729	9207
	2. China Clay,clay,white-	3	--	35	18	50	1	104	25714	11148
									25860 (PR)	7229
	3. Chromite	4	111	26	34	123	32	326	13828	30912
	4. Dolomite	10	--	122	51	24	--	197	273311	52834
	5. Felspar	1	--	--	10	--	7	17	265	56
	6. Gold	2	1493	--	--	1355	114	2962	676820	4583253

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
	7. Granite	30	--	1121	15	244	1	1381	87250 470 (PR)	2117612 4061
	8. Iron	96	12	5544	87	1731	24	7398	29251357 13161826 (FN)	17738515 21098451
									5198201 (LM)	9194951
	9. Laterite	1	--	65	--	9	--	74	1731949 (PR)	2729896
	10. Limestone	47	--	900	37	209	11	1157	107815	20754
	11. Magnesite	4	--	78	30	63	--	171	27348602	4820115
									24279	36911
	12. Manganese	19	--	1262	77	813	114	2266	75046 (PR)	21137
									565426	428017
									12000 (LM)	2640
	13. Silica	7	--	13	30	8	--	51	40665 (PR)	76715
	14. Stone	1	--	16	1	2	--	19	24560	4912
	15. Dunite	Employment with Limestone Manganese and Iron							78	25
									870	190
TOTAL : KARNATAKA		227	1616	9207	400	4645	304	16172	--	62989541
KERALA										
	1. China Clay,clay,white-	12	--	135	90	225	129	579	304099 8068 (PR)	75891 2221
	2. Granite	7	--	95	50	57	14	216	50100 28762 (PR)	41455 9702
	3. Laterite	1	--	11	3	3	1	18	46678	8278
	4. Limestone	2	--	121	--	133	--	254	14190	12615
	5. Sillimanite	1	--	232	--	539	45	816	598661 (PR)	59866
	6. Stone	Employment with China Clay,clay,white-clay and Granite							94345 (PR)	917980
									113863	10623
TOTAL : KERALA		23	--	594	143	957	189	1883	--	1138630
MEGHALAYA										
	1. Limestone	9	--	332	--	115	1	448	2042127	594379
TOTAL : MEGHALAYA		9	--	332	--	115	1	448	--	594379
MADHYA PRADESH										
	1. Apatite & Rock Phospha	2	--	153	79	6	--	238	74153	69072
	2. Bauxite	13	--	616	142	35	--	793	726211	214959
	3. China Clay,clay,white-	Employment with Limestone							424819	32143
	4. Copper	1	--	234	--	148	--	382	2179077	1398837

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
5.	Diamond	1	--	35	--	84	2	121	18036	150900
6.	Dolomite	4	--	244	107	10	--	361	19868	53712
7.	Fire-clay	3	--	42	16	4	--	62	35318	2029
8.	Granite	1	--	185	--	20	--	205	Nil	Nil
9.	Iron	4	--	41	14	--	--	55	2120	572
									553100 (FN)	52577
									47200 (LM)	4370
10.	Laterite	1	--	17	23	1	--	41	21750	653
11.	Limestone	42	--	2289	123	1076	72	3560	40062435	10113257
12.	Manganese	14	1269	495	97	747	296	2904	180070	391606
									481347 (PR)	4700706
13.	Marble	2	--	53	--	29	--	82	37179	6287
14.	Ochre	1	14	--	--	5	--	19	970	78
15.	Quartz	Employment with Limestone and Dolomite							1407	452
16.	Steatite	4	--	149	90	57	24	320	59702	51815
TOTAL : MADHYA PRADESH		93	1283	4553	691	2222	394	9143	--	17244025
MAHARASHTRA										
1.	Bauxite	15	--	597	96	35	--	728	2075549	467414
2.	Dolomite	2	--	18	10	7	1	36	22943	5761
3.	Fluorite	1	--	22	15	7	--	44	5337	969
4.	Iron	10	--	572	76	190	55	893	714617	419980
									6341 (FN)	5019
									14343 (LM)	16180
5.	Kyanite	4	--	73	--	20	--	93	10525	3630
6.	Limestone	14	--	421	43	134	--	598	9824635	1101011
7.	Manganese	10	916	858	360	699	92	2925	1009519	5015619
8.	Silica	8	--	151	63	148	1	363	232661	36974
									43176 (PR)	19735
9.	Sillimanite	4	--	327	13	44	4	388	7714	1129
									615 (LM)	3690
									48722 (PR)	359975
10.	Steatite	Employment with Limestone Sillimanite and Iron							466 (LM)	2796
11.	Stone	12	--	302	11	79	11	403	516681	122187
TOTAL : MAHARASHTRA		80	916	3341	687	1363	164	6471	--	7582069
ORISSA										
1.	Bauxite	3	--	362	--	329	--	691	23325	2542
2.	China Clay,clay,white-	1	--	18	25	9	7	59	7341 (PR)	2872
3.	Chromite	23	1271	3341	301	2871	538	8322	1676748	5640683
									1472264 (FN)	1332099
									141775 (LM)	770869
									297250 (PR)	546702

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
4. Dolomite		3	--	183	--	72	3	258	1046362	516255
	5. Fire-clay	7	--	167	--	20	--	187	442366 (PR)	162763
	6. Garnet	Employment with Limestone and Sillimanite						76264	(PR)	15970
	7. Granite	1	--	26	--	4	--	30	18162	67944
	8. Graphite	14	--	138	104	21	3	266	6002	31361
	9. Iron	100	--	10195	1467	6722	413	18797	31474	20702
									47437310	32748963
									19453212 (FN)	11853751
									12437681 (LM)	12558751
									8972955 (PR)	7334411
	10. Limestone	18	--	1682	361	802	69	2914	5591119	1404779
	11. Manganese	44	--	1625	1087	1172	213	4097	697675	2622448
									320007 (PR)	221119
	12. Quartz	6	--	100	9	3	--	112	15654	3384
									1454 (PR)	144
	13. Sillimanite	1	--	113	--	663	48	824	236768 (PR)	1362982
	14. Steatite	1	--	18	7	11	--	36	11787	177
	15. Stone	2	--	37	--	5	--	42	24106	10788
									116946 (PR)	39096
TOTAL : ORISSA		224	1271	18005	3361	12704	1294	36635	--	79271553
RAJASTHAN										
	1. Apatite & Rock Phospha	4	--	850	--	463	--	1313	1732831	5191088
	2. Barytes	1	--	11	--	6	--	17	5820	2619
	3. Calcite	3	--	492	152	212	3	859	250982	140690
	4. China Clay, clay, white-	20	--	217	27	88	14	346	531393	200024
									79289 (PR)	10092
	5. Copper	2	622	9	--	370	11	1012	967445	1180707
	6. Dolomite	Employment with Wollastonite and Steatite						39634		8464
	7. Felspar	Employment with Wollastonite Steatite and Mica						13172		828
	8. Fire-clay	7	--	108	19	5	--	132	274819	26790
	9. Fluorite	2	--	10	--	--	--	10	454	1510
	10. Galena & Sphalarite	10	1288	484	--	1597	75	3444	11637700	9625399
									121512 (PR)	121512
	11. Gypsum	27	--	156	--	66	--	222	3982310	2660034
	12. Iron	1	--	54	--	14	--	68	47620 (LM)	36005
									181932 (PR)	185365
	13. Laterite	1	--	112	--	21	--	133	1720177	276782
	14. Limestone	89	--	7357	693	956	28	9034	67600288	8827607
									9719380 (PR)	380657
	15. Marble	14	--	1181	--	283	--	1464	2279550	1888029

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
16. Mica		2	--	110	--	--	--	110	13341276	45673
17. Pyrite	Employment with Wollastonite Steatite and Mica								466082	766507
18. Quartz		3	--	53	1	10	--	64	12534	2510
									73590 (PR)	4690
19. Sandstone		1	--	160	4	27	--	191	55743	70000
20. Selenite		2	--	10	--	2	--	12	1436	1404
21. Silica		7	--	166	15	179	126	486	144691	21766
									67730 (PR)	19445
22. Steatite		55	331	1850	195	385	110	2871	1035232	635422
23. Stone		3	--	115	--	100	--	215	252519	53961
24. Wollastonite		3	--	606	161	225	24	1016	201062	161520
TOTAL : RAJASTHAN		258	2241	14155	1284	5010	391	23081	--	32547101
TAMIL NADU										
1. Bauxite		2	--	21	--	11	--	32	250669	66309
2. China Clay,clay,white-		1	--	11	--	2	--	13	254100	22361
3. Felspar	Employment with Limestone and Quartz								2535	466
4. Fire-clay		1	--	43	--	--	--	43	39889	4103
5. Garnet		5	--	1080	22	20	--	1122	717083	712622
6. Granite		88	--	2477	25	398	6	2906	264864	2492251
									8342 (PR)	45405
7. Graphite		1	--	39	--	4	--	43	48552	49759
8. Limestone		51	--	1366	34	261	--	1661	22459799	4139153
9. Magnesite		9	--	1018	911	40	3	1972	468527	806293
10. Quartz		7	--	88	137	4	--	229	10023	2733
11. Silica		4	--	30	29	11	--	70	2626	781
									1753 (PR)	358
12. Sillimanite		2	--	1189	--	396	11	1596	138775	43714
									54147 (PR)	530000
13. Stone		7	--	300	86	87	2	475	1423388	62278
14. Vermiculite		1	--	12	5	4	--	21	1573	2328
15. Dunite	Employment with Limestone Quartz and China Clay,clay,white-clay								19160	4194
TOTAL : TAMIL NADU		179	--	7674	1249	1238	22	10183	--	8985108
UTTARANCHAL										
1. Apatite & Rock Phospha		3	67	--	--	229	--	296	Nil	Nil
2. Gold		1	7	--	--	15	--	22	Nil	Nil
3. Limestone		2	--	31	--	33	--	64	80480	7777
4. Magnesite		1	--	137	--	55	--	192	44519	59917
									39606 (LM)	12543
5. Steatite		30	--	1187	50	146	--	1383	3093153	1616237
									12700 (PR)	7620
TOTAL : UTTARANCHAL		37	74	1355	50	478	--	1957	--	1704094

STATEMENT NO. 1.4 (CONTD.)

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT						OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below- ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
UTTAR PRADESH										
	1. Bauxite	4	--	170	49	19	--	238	9163	13599
									16597 (PR)	4171
	2. Limestone	1	--	55	--	9	--	64	26867640	3324357
	3. Sandstone	1	--	36	--	2	--	38	404715	96753
	4. Steatite	1	--	93	33	118	--	244	441	154
TOTAL : UTTAR PRADESH										
		7	--	354	82	148	--	584	--	3439033
WEST BENGAL										
	1. Apatite & Rock Phospha	1	--	102	--	23	3	128	1350	980
	2. China Clay,clay,white-	6	--	179	--	183	2	364	106037	5201
									23404 (PR)	6608
	3. Dolomite	1	--	--	--	31	--	31	Nil	Nil
	4. Felspar	1	--	15	--	2	--	17	668	207
									2708 (LM)	1312
	5. Fire-clay	1	--	32	--	2	--	34	760	151
	6. Stone	15	--	395	--	348	26	769	941130	64165
TOTAL : WEST BENGAL										
		25	--	723	--	589	31	1343	--	78623
TOTAL : METALLIFEROUS										
		1961	9031	91457	9626	48912	3771	162797	--	366828514

* Output of all minerals are shown in tonnes except corundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corundum, mica and garnet are in kilograms.

PR : Processed, FN : Fine, AB : Abrasive, PL : Pallets, LM : Lumps, GE : Gems.

STATEMENT NO. 1.5
AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN OIL MINES DURING THE YEAR 2010 : STATE-DISTRICT WISE

STATE/DISTRICT	MINES SUBMITTING RETURNS	AVERAGE DAILY EMPLOYMENT											OIL		GAS	
		CONTRACT	TOTAL	MEN	WOMEN	SUPER- VISORS	CLERKS	DRILL- ING	PRODU- CTION	WORK- SHOP	FIRE- SERVICE	OTHERS	Output Tonnes	Value '000 Rs.	Output '000 CM	Value '000 Rs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ANDHRA PRADESH																
East Godavari	4	631	1144	1139	5	143	26	--	235	39	3	698	1751540	38816898	3324456	9886866
ARUNACHAL PRADESH																
Changlang	1	150	191	191	--	12	--	28	12	--	3	136	96465	2498066	28103	84309
ASSAM																
Dibrugarh	5	1488	5414	5375	39	301	102	1678	1635	403	--	1295	4007910	70859432	2171000	13846300
Jorhat	2	3	223	218	5	52	2	21	74	--	9	65	126763	3429730	28560	121140
Sibsagar	16	689	4007	3997	10	1250	238	334	823	320	81	961	1570948	26517113	561704	1357094
Cachar	1	--	103	103	--	83	--	14	6	--	--	--	470	12511	29318	69190
TOTAL:ASSAM	24	2180	9747	9693	54	1686	342	2047	2538	723	90	2321	5706091	100818786	2790582	15393724
GUJARAT																
Ahmedabad	4	250	2055	2036	19	884	14	101	171	--	--	885	1687992	44934347	264551	798943
Bharuch	1	3119	6049	5979	70	1659	--	--	--	--	--	4390	1665505	17260606	1565650	4728263
Gandhinagar	4	166	274	274	--	81	--	--	176	--	--	17	31388	658549	10371	31316
Kheda	2	100	104	103	1	14	--	9	23	--	--	58	60266	1191808	272597	830338
Mehasana	12	687	4751	4711	40	1841	10	6	1202	125	47	1520	4750164	86799209	519792	1144110
Surat	3	881	1121	1121	--	30	--	856	68	--	8	159	587828	13471184	610339	5968537
Koira	2	61	425	419	6	18	7	78	204	--	8	110	328556	6550957	13248	67250
Anand	3	13	37	37	--	9	--	--	12	--	5	11	6959	42668	240	31702
TOTAL:GUJARAT	31	5277	14816	14680	136	4536	31	1050	1856	125	68	7150	9118658	170909328	3256788	13600459
JHARKHAND																
Hazaribagh	1	--	17	17	--	--	1	14	--	--	1	1	--	--	--	--
Bokaro	2	--	82	82	--	10	3	5	12	--	5	47	31707	95429	3652050	10956150
TOTAL:JHARKHAND	3	--	99	99	--	10	4	19	12	--	6	48	31707	95429	3652050	10956150
MADHYA PRADESH																
Shahdol	2	123	163	162	1	36	9	--	59	6	3	50	--	--	362764	1458323
RAJASTHAN																
Barmer	3	--	607	607	--	64	5	61	151	--	102	224	3810290	11467923	189	316
Jaisalmer	4	81	296	296	--	60	32	121	24	11	18	30	--	--	277187	555744
TOTAL:RAJASTHAN	7	81	903	903	--	124	37	182	175	11	120	254	3810290	11467923	277376	556060

STATEMENT NO. 1.5 (CONTD.)

STATE/DISTRICT	MINES SUBMITTING RETURNS	AVERAGE DAILY EMPLOYMENT											OIL		GAS	
		CONTRACT	TOTAL	MEN	WOMEN	SUPER- VISORS	CLERKS	DRILL- ING	PRODU- CTION	WORK- SHOP	FIRE- SERVICE	OTHERS	Output Tonnes	Value '000 Rs.	Output '000 CM	Value '000 Rs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TAMIL NADU																
Thanjavur	2	291	534	534	--	4	--	--	215	--	--	315	471025	12116100	1203792	3611365
Cuddalore	1	42	50	50	--	5	1	17	--	--	--	27	--	--	--	--
NAGAPATTINAM	1	--	135	135	--	25	2	--	15	--	2	91	--	--	376	2170643
OFFSHORE	1	132	154	149	5	8	18	--	98	--	--	30	157858	4145363	--	--
TOTAL:TAMIL NADU	5	465	873	868	5	42	21	17	328	--	2	463	628883	16261463	1204168	5782008
TRIPURA																
West Tripura	3	153	1063	1063	--	252	--	273	140	101	32	265	--	--	552579	1179135
WEST BENGAL																
Birbhum	1	400	400	398	2	43	--	92	25	--	--	240	1673189	5035838	--	--
Midnapore	1	--	44	44	--	1	--	36	--	--	1	6	--	--	--	--
TOTAL:WEST BENGAL	2	400	444	442	2	44	--	128	25	--	1	246	1673189	5035838	--	--
TOTAL: OIL	82	9460	29443	29240	203	6885	470	3744	5380	1005	328	11631	22816823	345903732	15448866	58897036

STATEMENT NO. 1.6
CLASSIFICATION OF NON-COAL MINES BY SIZE OF THEIR OVERALL AVERAGE DAILY EMPLOYMENT DURING THE YEAR 2010

SL. NO.	MINERAL	NUMBER OF MINES EMPLOYING PERSONS											TOTAL
		UPTO	21	51	100	151	251	401	501	801	1201	ABOVE	
		20	TO 50	TO 100	TO 150	TO 250	TO 400	TO 500	TO 800	TO 1200	TO 1600	1600	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Oil	13	6	9	11	16	11	2	4	4	4	2	82
2.	APATITE & ROCK PHOSPHA	1	3	2	2	2	--	--	--	1	--	--	11
3.	ASBESTOS	1	2	1	--	--	--	--	--	--	--	--	4
4.	BARYTES	2	2	--	--	--	--	--	1	--	--	--	5
5.	BAUXITE	27	36	14	8	3	2	1	1	1	--	--	93
6.	CALCITE	1	--	--	--	--	1	1	--	--	--	--	3
7.	CHINA CLAY,CLAY,WHITE-	54	23	8	1	2	1	--	--	--	--	--	89
8.	CHROMITE	2	3	5	1	7	2	1	4	--	2	--	27
9.	COPPER	--	--	--	--	--	1	2	1	1	--	--	5
10.	DIAMOND	--	--	--	1	--	--	--	--	--	--	--	1
11.	DOLOMITE	14	11	4	3	1	5	--	--	--	--	--	38
12.	FELSPAR	5	3	1	--	--	--	--	--	--	--	--	9
13.	FIRE-CLAY	13	10	--	--	--	--	--	--	--	--	--	23
14.	FLUORITE	2	1	1	--	--	--	--	--	--	--	--	4
15.	GALENA & SPHALARITE	--	1	--	3	5	--	--	--	1	1	--	11
16.	GARNET	1	5	--	--	--	--	--	--	1	--	--	7
17.	GOLD	--	1	2	--	--	--	--	--	--	--	0	4
18.	GRANITE	56	106	29	9	3	1	--	2	--	--	--	206
19.	GRAPHITE	12	4	1	--	--	--	--	--	--	--	--	17
20.	GYPSUM	26	3	--	--	--	--	--	--	--	--	--	29
21.	IRON	48	107	65	28	29	22	4	15	7	1	1	327
22.	KYANITE	2	3	--	--	--	--	--	--	--	--	--	5
23.	LATERITE	2	1	1	1	--	--	--	--	--	--	--	5
24.	LIMESTONE	162	146	88	35	17	5	5	1	4	--	--	463
25.	MAGNESITE	2	4	3	2	2	1	--	--	1	--	--	15
26.	MANGANESE	38	40	17	8	8	6	1	5	3	--	--	126
27.	MARBLE	6	8	2	--	3	--	--	--	1	--	--	20
28.	MICA	12	16	--	1	--	--	--	--	--	--	--	29
29.	OCHRE	2	--	--	--	--	--	--	--	--	--	--	2

STATEMENT NO. 1.6 (CONTD.)

SL. NO.	MINERAL	NUMBER OF MINES EMPLOYING PERSONS											
		UPTO	21	51	100	151	251	401	501	801	1201	ABOVE	TOTAL
		20	TO 50	TO 100	TO 150	TO 250	TO 400	TO 500	TO 800	TO 1200	TO 1600	1600	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
30.	QUARTZ	12	17	3	1	--	--	--	--	--	--	--	33
31.	SALT	--	1	--	--	--	--	--	--	--	--	--	1
32.	SANDSTONE	2	2	--	--	1	--	1	--	--	--	--	6
33.	SELENITE	2	--	--	--	--	--	--	--	--	--	--	2
34.	SILICA	16	13	7	1	4	3	--	--	--	--	--	44
35.	SILLIMANITE	--	2	1	--	--	1	1	--	3	--	--	8
36.	SLATE	--	--	2	--	--	--	--	--	--	--	--	2
37.	STEATITE	30	45	19	2	8	--	--	--	--	--	--	104
38.	STONE	78	66	21	3	6	4	--	--	--	--	--	178
39.	VERMICULITE	1	1	--	--	--	--	--	--	--	--	--	2
40.	WOLLASTONITE	--	--	--	--	--	3	--	--	--	--	--	3
TOTAL : NON-COAL		645	692	306	121	117	69	19	34	28	8	4	2043

STATEMENT NO. 1.7
CLASSIFICATION OF NON-COAL MINES HAVING WORKING BELOWGROUND BY SIZE OF THEIR OVERALL & BELOWGROUND
AGERAGE DAILY EMPLOYMENT DURING THE YEAR 2010

SL. NO.	MINERAL	BELOWGROUND AVERAGE DAILY EMPLOYMENT	OVERALL AVERAGE DAILY EMPLOYMENT							TOTAL
			UPTO 150	151 TO 400	401 TO 500	501 TO 800	801 TO 1200	1201 TO 1600	ABOVE 1600	
1	2	3	4	5	6	7	8	9	10	11
1.	Apatite & Rock Phospha	Upto 50	2	--	--	--	--	--	--	2
		51 - 75	--	1	--	--	--	--	--	1
2.	Asbestos	Upto 50	3	--	--	--	--	--	--	3
3.	Barytes	Upto 50	2	--	--	--	--	--	--	2
4.	Chromite	Upto 50	2	--	--	--	--	--	--	2
		51 - 75	--	1	--	--	--	--	--	1
		76 - 150	--	2	--	--	--	--	--	2
		151 - 300	--	1	--	--	--	--	--	1
		301 - 450	--	--	--	2	--	--	--	2
5.	Copper	151 - 300	--	--	1	--	--	--	--	1
		301 - 450	--	--	1	1	--	--	--	2
		Above 600	--	--	--	--	1	--	--	1
6.	Galena & Sphalarite	Upto 50	1	--	--	--	--	--	--	1
		76 - 150	2	--	--	--	--	--	--	2
		151 - 300	--	3	--	--	--	--	--	3
		451 - 600	--	--	--	--	1	--	--	1
7.	Gold	Upto 50	2	--	--	--	--	--	--	2
		51 - 75	1	--	--	--	--	--	--	1
		Above 600	--	--	--	--	--	--	1	1
8.	Iron	Upto 50	--	--	--	1	--	--	--	1
9.	Manganese	Upto 50	2	--	--	--	--	--	--	2
		51 - 75	--	1	--	--	--	--	--	1
		76 - 150	--	2	--	--	--	--	--	2
		151 - 300	--	2	--	--	--	--	--	2
		301 - 450	--	--	--	1	1	--	--	2
		Above 600	--	--	--	--	1	--	--	1
10.	Mica	Upto 50	21	--	--	--	--	--	--	21
11.	Ochre	Upto 50	1	--	--	--	--	--	--	1
12.	Quartz	Upto 50	1	--	--	--	--	--	--	1
13.	Salt	Upto 50	1	--	--	--	--	--	--	1

STATEMENT NO. 1.7 (CONTD.)

SL. NO.	MINERAL	BELOWGROUND	OVERALL AVERAGE DAILY EMPLOYMENT								
		AVERAGE									
		DAILY EMPLOYMENT	UPTO 150	151 TO 400	401 TO 500	501 TO 800	801 TO 1200	1201 TO 1600	ABOVE 1600	TOTAL	
1	2	3	4	5	6	7	8	9	10	11	
14. Steatite		Upto 50	7	--	--	--	--	--	--	--	7
		151 - 300	--	1	--	--	--	--	--	--	1
All Mineral		Upto 50	45	--	--	1	--	--	--	--	46
		51 - 75	1	3	--	--	--	--	--	--	4
		76 - 150	2	4	--	--	--	--	--	--	6
		151 - 300	--	7	1	--	--	--	--	--	8
		301 - 450	--	--	1	4	1	--	--	--	6
		451 - 600	--	--	--	--	1	--	--	--	1
		Above 600	--	--	--	--	2	--	1	--	3
TOTAL : NON-COAL			48	14	2	5	4	--	1	74	

STATEMENT NO. 1.8
AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR **2010: DGMS FIELD OFFICEWISE**

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
1. SITARAMPUR II											
Oil	2	--	--	--	444	444	--	--	5915	1673189	5035838
Apatite & Rock Phospha	1	--	--	102	26	128	99	390	80	1350	980
China Clay,clay,white-	6	--	--	179	185	364	--	1334	70	106037	5201
										23404 (PR)	6608
Dolomite	1	--	--	--	31	31	--	--	--	Nil	Nil
Felspar	1	--	--	15	2	17	--	--	--	668	207
										2708 (LM)	1312
Fire-clay	1	--	--	32	2	34	--	--	--	760	151
Limestone	3	--	--	106	27	133	140706	3374	--	781842	179838
Stone	15	--	--	395	374	769	110986	5509	2424	941130	64165
TOTAL : SITARAMPUR II	30	--	--	829	1091	1920	251791	10607	8489	--	5294299
2. SITARAMPUR III											
China Clay,clay,white-	3	--	--	108	350	458	--	--	240	103675	10418
Dolomite	Employment,Explosives and Machinery with Stone									21000	179
Gold	1	--	36	--	16	52	8700	--	69	5052	22367
Kyanite	1	--	--	31	4	35	181	--	--	3491	3998
Magnesite	1	--	--	47	10	57	29	--	--	18551	12986
Quartz	1	1	32	--	16	48	7150	--	69	4233	25363
Sandstone	2	--	--	25	8	33	--	--	62	11254	2251
Silica	Employment,Explosives and Machinery with Stone and China Clay,clay,white-clay									43137 (PR)	8808
Steatite	1	--	--	22	1	23	930	--	40	Nil	Nil
Stone	93	--	--	1082	1088	2170	159876	1346	3861	12846091	749241
										150859 (PR)	6522
TOTAL : SITARAMPUR III	103	2	68	1315	1493	2876	176866	1346	4341	--	842131
3. DIGBOI SUB-											
Oil	28	--	--	--	11001	11001	--	--	328905	5802556	103316852
										3371263700 (GS)	16657168
Limestone	12	--	--	418	134	552	343176	16247	1846	1658948	557553
TOTAL : DIGBOI SUB-	40	--	--	418	11135	11553	343176	16247	330751	--	120531574
4. AJMER											
Oil	7	--	--	--	903	903	--	--	49719	3810290	11467923
										277376428 (GS)	556060
Bauxite	1	--	--	61	1	62	3424	235	--	88059	79253

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
Calcite	1	--	--	297	98	395	61384	1128	148	93695	58317
China Clay,clay,white-	20	--	--	244	102	346	831	4132	8	531393	200024
Copper	2	2	622	9	381	1012	528319	1230	24119	967445	1180707
Felspar	Employment,Explosives and Machinery with Mica									13172	828
Fire-clay	7	--	--	127	5	132	--	--	--	274819	26790
Galena & Sphalarite	1	--	--	484	761	1245	1442421	56860	--	5132640	2788114
Gypsum	26	--	--	153	65	218	--	24737	--	4001513	2675549
Iron	1	--	--	54	14	68	--	4750	895	47620	36005
Limestone	61	--	--	6380	646	7026	6129920	105272	19347	181932	185365
Marble	5	--	--	84	34	118	373	150	55	37510606	5067728
Mica	2	--	--	110	--	110	--	--	--	9631171	377410
Pyrite	Employment,Explosives and Machinery with Mica Limestone and Copper									91990	56293
Quartz	3	--	--	54	10	64	3947	--	--	13341276	45673
Sandstone	1	--	--	164	27	191	36590	4251	130	466082	766507
Selenite	2	--	--	10	2	12	--	129	16	12534	2510
Silica	5	--	--	144	294	438	43687	2050	385	73590	4690
Steatite	18	--	--	715	122	837	332282	19767	2694	55743	70000
Stone	3	--	--	115	100	215	26400	550	--	1436	1404
TOTAL : AJMER	166	2	622	9205	3565	13392	8609578	225241	97516	117516	20868
5. GHAZIABAD										67730	19445
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	462348	107741
Barytes	1	1	16	--	--	16	103	--	--	252519	53961
Bauxite	1	--	--	19	1	20	--	--	--	Nil	Nil
China Clay,clay,white-	2	--	--	50	16	66	--	--	--	588	882
Gold	1	1	7	--	15	22	45	--	3	100	4
Granite	Employment,Explosives and Machinery with Limestone									86592	4661
Gypsum	2	--	--	79	5	84	3732	--	--	Nil	Nil
Limestone	38	--	--	1036	173	1209	1676463	43697	1300	2000	164
Magnesite	1	--	--	137	55	192	33764	1450	255	3015	9500
Salt	1	1	15	--	9	24	2472	--	8	11145441	1233582
Sandstone	1	--	--	16	--	16	--	400	--	44519	59917
Silica	16	--	--	1525	408	1933	501772	1607	1003	39606	12543
Slate	2	--	--	167	12	179	--	1071	20	16212	18851
Steatite	32	--	--	1402	218	1620	9067	50	--	226986	8371
Stone	23	--	--	2098	206	2304	1218780	19976	1620	9417846	1628491
TOTAL : GHAZIABAD	124	5	105	6529	1347	7981	3446778	68251	6526	347116	49533
										150164	142392
										3124466	1634917
										12700	7620
										11190372	805065
										6639167	464322

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
6. UDAIPUR											
Oil	31	--	--	--	14816	14816	--	--	188336	9118658	170909328
										3256787161 (GS)	13600460
Apatite & Rock Phospha	5	--	--	1043	466	1509	3745364	50732	2157	1806984	5260161
Barytes	1	--	--	11	6	17	555	250	--	5820	2619
Bauxite	28	--	--	762	44	806	49030	2067	271	1278225	500459
Calcite	2	--	--	347	117	464	62824	1213	198	157287	82373
China Clay,clay,white-	27	--	--	353	58	411	--	1995	178	3701769	4610471
										803376 (PR)	1322847
Dolomite	Employment,Explosives and Machinery with Wollastonite Limestone and Steatite									39634	8464
Fire-clay	2	--	--	36	--	36	--	--	--	7550	755
Fluorite	3	--	--	67	6	73	40538	2759	--	69470	42722
Galena & Sphalarite	9	6	1288	--	911	2199	972200	2750	32027	6505060	6837285
										121512 (PR)	121512
Gypsum	1	--	--	3	1	4	--	--	--	11948	3584
Laterite	2	--	--	117	21	138	152575	7608	1062	1902846	309176
Limestone	72	--	--	3183	1079	4262	8163296	213674	40123	61382988	6910165
										115659 (PR)	5046
Manganese	1	--	--	9	14	23	--	--	--	228207	622953
Marble	13	--	--	1380	298	1678	46205	28933	12831	2886879	2312806
Ochre	1	--	--	16	--	16	--	--	--	592	59
Silica	1	--	--	11	--	11	--	960	--	96830	17742
Steatite	37	5	331	1330	373	2034	672001	5873	2335	572884	527681
Stone	4	--	--	98	130	228	61757	1474	900	306732	35858
Wollastonite	3	--	--	767	249	1016	195603	7010	343	201062	161520
TOTAL : UDAIPUR	243	11	1619	9533	18589	29741	14161948	327298	280761	--	214206044
7. BHUBANESWAR											
Apatite & Rock Phospha	1	1	27	--	12	39	2158	--	60	3765	7831
Bauxite	2	--	--	361	327	688	--	13496	--	5019237	2330484
Chromite	22	5	1170	3642	3294	8106	1059845	118173	15276	1676748	5640683
										1472264 (FN)	1332099
										141775 (LM)	770869
										295015 (PR)	534563
Fire-clay	6	--	--	147	20	167	959	795	5	69904	14921
Garnet	2	--	--	38	38	76	--	--	--	156329	14902
										18162 (PR)	67944
Granite	4	--	--	111	25	136	423245	1650	255	14836	94187
Graphite	14	--	--	242	24	266	--	546	35	31474	20702
Iron	21	--	--	2222	1992	4214	870126	61510	27869	12065487	10889173
										8082723 (FN)	7950770
										4142652 (LM)	7080372
Limestone	6	--	--	330	43	373	534456	11496	95	1292811	396659
Manganese	27	--	--	1272	83	1355	22370	3779	606	384246	490530
										3984 (PR)	17735
Quartz	7	--	--	137	3	140	1737	--	--	22159	4411
										5449 (PR)	798

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
Sandstone	1	--	--	102	350	452	--	--	7993	1388364	362238
Sillimanite	1	--	--	113	711	824	--	--	--	236768 (PR)	1362982
Stone	1	--	--	10	5	15	185	--	--	24106	10788
TOTAL : BHUBANESWAR	115	6	1197	8727	6927	16851	2915081	211445	52194	--	39395640
8. CHAIBASA											
Bauxite	1	--	--	1	2	3	--	--	--	Nil	Nil
China Clay,clay,white-	8	--	--	104	152	256	--	139	95	68549	26548
										24121 (PR)	19864
Chromite	1	1	101	--	115	216	12166	--	256	2235 (PR)	12139
Copper	2	2	1070	--	435	1505	227146	395	11257	797351	900396
Dolomite	3	--	--	183	75	258	188593	1948	940	1046362	516255
										442366 (PR)	162763
Fire-clay	1	--	--	20	--	20	--	--	--	6360	1049
Graphite	1	--	--	17	--	17	--	--	--	2645	714
Iron	101	--	--	11460	10439	21899	9279434	254460	105039	50477466	27168240
										20666747 (FN)	9126344
										14443530 (LM)	10722527
										9086393 (PR)	7372973
Limestone	20	--	--	2210	956	3166	1474325	32353	4924	6095151	1327984
Manganese	43	--	--	2537	1386	3923	605479	20241	626	801689	2628238
										334062 (PR)	224577
Quartz	3	--	--	67	9	76	--	--	--	8907	16930
Steatite	2	--	--	25	12	37	2617	195	3	11787	177
Stone	2	--	--	31	3	34	7012	500	--	61074	4083
										116946 (PR)	39096
TOTAL : CHAIBASA	188	3	1171	16655	13584	31410	11796772	310231	123140	--	60270897
9. KODERMA											
Oil	2	--	--	--	82	82	--	--	1665	31707	95429
										3652050000 (GS)	10956150
Dolomite	1	--	--	251	54	305	138225	40	--	470807	301917
Limestone	3	--	--	120	103	223	340368	5485	545	887461	313048
Mica	4	3	51	19	18	88	2287	--	60	481411	2664
Quartz	2	--	--	30	7	37	--	--	--	67315	21609
Steatite	2	--	--	25	5	30	1910	--	480	5115	655
Stone	7	--	--	112	51	163	21673	4986	664	2264536	661758
TOTAL : KODERMA	21	3	51	557	320	928	504463	10511	3414	--	12353230
10. RAMGARH SUB-											
Oil	1	--	--	--	17	17	--	--	--	Nil	Nil
Limestone	5	--	--	48	47	95	3329	210	--	1676508	530679
Mica	1	--	--	--	8	8	--	--	--	Nil	Nil
TOTAL : RAMGARH SUB-	7	--	--	48	72	120	3329	210	--	--	530679

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
11. RANCHI											
Bauxite	20	--	--	1130	281	1411	666430	12895	339	1802414	734056
										220352 (PR)	26532
Graphite	1	--	--	44	--	44	--	--	--	11091	5722
Limestone	5	--	--	293	344	637	37771	--	18888	183006	37519
										38767 (PR)	60586
TOTAL : RANCHI	26	--	--	1467	625	2092	704201	12895	19227	--	864414
12. CHENNAI											
Oil	5	--	--	--	873	873	--	--	4619	628883	16261463
										1204168334 (GS)	5782009
Bauxite	3	--	--	47	22	69	2054	125	--	316698	74024
China Clay,clay,white-	16	--	--	289	407	696	--	236	410	583913	109399
										33928 (PR)	9450
Chromite	4	2	111	60	155	326	1553	1723	360	13828	30912
Dolomite	Employment,Explosives and Machinery with Limestone									1790	1148
Felspar	1	--	--	10	7	17	--	--	--	2800	522
Fire-clay	1	--	--	43	--	43	--	--	--	39889	4103
Garnet	5	--	--	1102	20	1122	--	--	--	717083	712622
Granite	99	--	--	2720	451	3171	709251	27584	3307	324441	2870083
										37574 (PR)	59168
Graphite	1	--	--	39	4	43	80058	--	8	48552	49759
Iron	20	--	--	988	168	1156	30916	26647	1910	6306496	3079849
										1550003 (FN)	3269932
										237059 (LM)	159977
										440900 (PR)	893649
Laterite	1	--	--	14	4	18	7050	--	2	46678	8278
Limestone	62	--	--	1746	504	2250	6343693	98340	16869	27774834	4943156
										598661 (PR)	59866
Magnesite	13	--	--	2037	106	2143	335083	11509	591	492806	843204
										75046 (PR)	21137
Manganese	9	--	--	155	44	199	2025	2499	146	328817	224293
										3570 (PR)	491
Quartz	7	--	--	225	4	229	3936	90	--	10023	2733
Silica	7	--	--	66	14	80	--	--	--	7905	1627
										1753 (PR)	358
Sillimanite	3	--	--	1421	991	2412	--	--	8960	138775	43714
										148492 (PR)	1447980
Stone	5	--	--	330	42	372	30370	2430	80	1356148	64596
Vermiculite	1	--	--	17	4	21	--	--	--	1573	2328
Dunite	Employment,Explosives and Machinery with Limestone Quartz and China Clay,clay,white-clay									20030	4385
TOTAL : CHENNAI	263	2	111	11309	3820	15240	7545989	171183	37262	--	41036215

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
13. GOA											
Bauxite	16	--	--	702	38	740	123122	7124	949	2079249	468906
Dolomite	2	--	--	43	10	53	353	--	--	57032	16187
Granite	7	--	--	715	118	833	53096	8023	159	234296	1019243
Iron	86	--	--	4638	2325	6963	642700	342522	43112	40933886	33166919
										10010827 (FN)	2963312
										1554751 (LM)	1681060
										4004806 (PR)	6690494
Laterite	1	--	--	65	9	74	--	--	284	107815	20754
Limestone	6	--	--	124	31	155	24436	1991	100	188948	26674
Manganese	14	--	--	462	86	548	40	11290	1200	21050	87430
										8100 (PR)	8280
Silica	8	--	--	214	149	363	2100	--	854	232661	36974
										71746 (PR)	30728
Stone	20	--	--	572	101	673	365982	20224	1735	1235883	300991
										3743 (PR)	1692
TOTAL : GOA	160	--	--	7535	2867	10402	1211829	391174	48393	--	46519644
14. HYDERABAD I											
Oil	4	--	--	--	1144	1144	--	--	50741	1751540	38816898
										3324455634 (GS)	9886866
Barytes	1	--	--	29	3	32	100	--	--	5325	2130
China Clay,clay,white-	3	--	--	32	2	34	--	--	12	88500	6686
										36910 (PR)	34
Dolomite	1	--	--	46	106	152	212425	5638	1290	531633	302900
Fire-clay	2	--	--	30	--	30	--	--	--	40200	3491
Galena & Sphalarite	1	1	10	--	30	40	--	--	215	1079	811
Granite	9	--	--	337	35	372	2209	305	50	20275	142824
										8511 (PR)	14344
Limestone	17	--	--	463	284	747	2356137	52780	8098	9550482	1502915
Manganese	1	--	--	12	--	12	75	--	10	298	208
TOTAL : HYDERABAD I	39	1	10	949	1604	2563	2570946	58723	60416	--	50680108
15. NELLORE SUB-											
Asbestos	4	3	63	60	16	139	8639	--	598	15703	122457
										117 (PR)	516
Barytes	2	1	9	303	228	540	3323960	1704	2740	2109529	1560363
China Clay,clay,white-	2	--	--	73	8	81	--	--	--	93239	9966
Dolomite	1	--	--	7	--	7	--	--	--	1550	180
Felspar	5	--	--	100	9	109	42883	--	192	462011	100396
										24962 (PR)	40899
Granite	65	--	--	2638	1217	3855	731640	67920	13206	769384	7162178
										64397 (PR)	592612
Limestone	6	--	--	143	94	237	1091302	23845	723	6579031	815530
Mica	22	18	275	62	148	485	29393	125	2049	3843510	116416

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
Quartz	3	--	--	42	32	74	4407	--	10	21114	11273
Silica	3	--	--	48	--	48	--	--	--	945 (PR)	280
Stone	1	--	--	48	2	50	--	--	--	413091	17095
Vermiculite	1	--	--	16	4	20	--	--	--	6301	1385
										6353	635
TOTAL : NELLORE SUB-	115	22	347	3540	1758	5645	5232224	93594	19518	--	10552181
16. HYDERABAD II											
Dolomite	7	--	--	123	14	137	3473	--	--	201389	34714
Felspar	2	--	--	41	3	44	4039	--	--	25320	6380
										62584 (LM)	250336
Granite	18	--	--	437	140	577	16053	4643	626	58862	883990
Iron	1	--	--	96	25	121	--	3612	90	69424	19823
										138 (PR)	114
Limestone	60	--	--	1063	170	1233	4434658	58185	5773	29903508	4496252
Quartz	5	--	--	146	8	154	7802	770	--	176034	44322
Silica	4	--	--	36	5	41	--	--	--	19281	4066
Stone	1	--	--	26	2	28	--	--	--	Nil	Nil
TOTAL : HYDERABAD II	98	--	--	1968	367	2335	4466025	67210	6489	--	5739997
17. BELLARY SUB-											
China Clay,clay,white-	2	--	--	29	--	29	810	--	--	26223	1381
Dolomite	7	--	--	247	17	264	13397	--	199	691844	99800
Gold	2	2	1493	--	1469	2962	577494	2970	53	676820	4583253
Granite	3	--	--	132	14	146	6356	2710	135	4364	33847
Iron	80	1	12	4665	1604	6281	3153827	182280	18303	24674090	17197671
										11365880 (FN)	17766988
										5311374 (LM)	9230930
										1290911 (PR)	1836133
Limestone	18	--	--	735	226	961	5345465	63676	13305	33778135	5155754
										2120 (PR)	164
Manganese	7	--	--	1116	866	1982	231867	--	721	235627	208569
										12000 (LM)	2640
										28995 (PR)	67944
Steatite	9	3	26	117	54	197	7630	350	415	82966	23325
TOTAL : BELLARY SUB-	128	6	1531	7041	4250	12822	9336846	251986	33131	--	56208398
18. BILASPUR											
Bauxite	7	--	--	1798	111	1909	425276	9456	--	1783109	718922
Dolomite	11	--	--	715	666	1381	1060881	14289	4351	2622553	750219
Fire-clay	1	--	--	23	--	23	--	--	--	2800	286
Iron	11	--	--	2400	3911	6311	6741809	116431	52110	3915053	1898247
										9319360 (FN)	21226908
										6684743 (LM)	16937903
										8575699 (PR)	2541869
Limestone	24	--	--	1248	200	1448	4856090	83944	12350	29377770	2910199

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
Marble	1	--	--	34	8	42	3713	1175	510	21772	3682
Quartz	2	--	--	149	6	155	3744	--	--	9463	1345
TOTAL : BILASPUR	57	--	--	6367	4902	11269	13091513	225295	69321	--	46989580
19. JABALPUR											
Oil	2	--	--	--	163	163	--	--	721	362764083 (GS)	1458323
Apatite & Rock Phospha	1	--	--	39	3	42	4775	--	--	Nil	Nil
Bauxite	14	--	--	885	49	934	16444	1230	--	720439	227922
										16597 (PR)	4171
China Clay,clay,white-	Employment,Explosives and Machinery with Steatite and Limestone									424819	32143
Diamond	1	--	--	35	86	121	76025	4248	2098	18036	150900
Dolomite	1	--	--	28	3	31	--	--	--	1080	11
Fire-clay	2	--	--	35	4	39	--	--	--	32518	1743
Granite	1	--	--	185	20	205	2600	5403	--	Nil	Nil
Iron	4	--	--	55	--	55	729	115	--	2120	572
										553100 (FN)	52577
										47200 (LM)	4370
Laterite	1	--	--	40	1	41	--	--	--	21750	653
Limestone	31	--	--	1960	1027	2987	5586078	117061	20097	57435882	12621854
Marble	1	--	--	19	21	40	1900	1900	756	15407	2605
Ochre	1	1	14	--	5	19	--	--	--	970	78
Sandstone	1	--	--	36	2	38	19443	1632	--	404715	96753
Steatite	3	--	--	200	127	327	8770	--	--	28830	33290
Stone	2	--	--	56	47	103	108850	998	--	181103	8305
TOTAL : JABALPUR	66	1	14	3573	1558	5145	5825614	132587	23672	--	14696271
20. NAGPUR I											
Copper	1	--	--	234	148	382	2847505	33049	1873	2179077	1398837
Dolomite	3	--	--	333	8	341	2521	--	61	14811	5647
Limestone	1	--	--	3	--	3	500	--	--	5112	903
Manganese	22	9	1797	1005	1427	4229	353693	22687	11338	597848	1976879
										481347 (PR)	4700706
Quartz	Employment,Explosives and Machinery with Dolomite									1407	452
Stone	1	--	--	21	35	56	1021	--	30	16578	1409
TOTAL : NAGPUR I	28	9	1797	1596	1618	5011	3205240	55736	13302	--	8084832

STATEMENT NO. 1.8 (Contd.)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
21. NAGPUR II											
Dolomite	Employment,Explosives and Machinery with Limestone									11500	1254
Fluorite	1	--	--	37	7	44	724	--	--	5337	969
Iron	2	--	--	225	18	243	17151	390	--	250609	56387
										9314 (LM)	12397
Kyanite	4	--	--	73	20	93	35	--	--	10525	3630
Limestone	13	--	--	442	134	576	1631878	39127	5748	9800174	1097953
Manganese	2	1	388	805	407	1600	216017	9144	1829	579473	3352894
Sillimanite	4	--	--	340	48	388	6464	3080	1695	7714	1129
										615 (LM)	3690
										48722 (PR)	359975
Steatite	Employment,Explosives and Machinery with Limestone and Sillimanite									466 (LM)	2796
TOTAL : NAGPUR II	26	1	388	1922	634	2944	1872269	51741	9272	--	4893073
TOTAL : ALL INDIA	2043	74	9031	101083	82126	192240	97272478	2693511	1247135	--	771629282

* Output of all minerals are shown in tonnes except corundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corundum, mica and garnet are in kilograms. Output of Gas is given in '000 CuM.
PR : Processed, FN : Fine, AB : Abrasive, PL : Pallets, LM : Lumps, GE : Gems., GS : Gas

STATEMENT NO. 1.9

AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR

2010: OWNERWISE

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
1. ANDHRA PRADESH MINERAL DEV. CORPN. LTD.											
Asbestos	1	--	--	60	--	60	--	--	--	13649	121186
Barytes	1	--	--	303	210	513	3323533	1704	2695	2108192	1559895
Granite	1	--	--	14	1	15	--	--	--	386	3583
Limestone	1	--	--	62	8	70	152927	3060	--	3856744	466550
OWNER TOTAL :	4	--	--	439	219	658	3476460	4764	2695	--	2151214
2. ASSOCIATED SOAPSTONE DIST. CO. PVT. LTD.											
Steatite	11	1	26	514	98	638	466111	--	1302	53721	42090
3. ASSOCIATED CEMENT COMPANIES LTD.											
Limestone	17	--	--	748	291	1039	2830980	66593	15481	101776	151442
4. BHARAT ALUMINIUM CO. LTD.											
Bauxite	2	--	--	530	34	564	424736	3120	--	869277	376728
5. BHILAI STEEL PLANT {SAIL}											
Dolomite	1	--	--	78	247	325	385980	7455	1568	861783	264527
Iron	6	--	--	1356	2635	3991	2947232	86989	37867	53413	8693
										4271912 (PR)	517841
Limestone	1	--	--	1	--	1	--	--	--	Nil	Nil
OWNER TOTAL :	8	--	--	1435	2882	4317	3333212	94444	39435	--	791060
6. BIRLA JUTE & INDUSTRIES LTD.											
Limestone	3	--	--	143	238	381	1044112	15430	14084	5766319	4591810
7. BISRA STONE LIME CO. LTD.											
Limestone	2	--	--	1330	577	1907	298339	--	2529	729472	166320
8. BURN STANDARD CO. LTD.											
Magnesite	3	--	--	1344	6	1350	--	--	100	231095	416116
9. CAIRN ENERGY INDIA PTY LTD.											
Oil	5	--	--	--	1861	1861	--	--	49060	5462993 1135124672 (GS)	47257859 5552100
10. CEMENT CORPN. OF INDIA LTD.											
Limestone	4	--	--	81	78	159	165752	11023	1021	Nil	Nil
11. CHOWGULE & CO. (P) LTD.											
Iron	8	--	--	440	733	1173	88043	35474	9478	811864 1326381 (FN) 212032 (LM) 1065	148713 398093 68280 1174
Manganese	1	--	--	20	--	20	--	--	--		
OWNER TOTAL :	9	--	--	460	733	1193	88043	35474	9478	--	616260

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
1. ANDHRA PRADESH MINERAL DEV. CORPN. LTD.											
12. D. B. BANDODKAR & SONS (P) LTD. Iron	1	--	--	29	5	34	6325	1570	--	151152 (PR)	69672
13. DALMIA CEMENT [BHARAT] LTD. Limestone	5	--	--	170	15	185	633827	11284	2618	1292000	37468
Magnesite	1	--	--	264	4	268	103647	5814	17	57217	89024
OWNER TOTAL :	6	--	--	434	19	453	737474	17098	2635	--	126492
14. DEMPO MINING CORPN. LTD. Iron											
	1	--	--	325	301	626	--	15195	2060	1668763 (FN)	588285
15. ESSEL MINING & INDUSTRIES LTD. Iron											
	4	--	--	787	368	1155	914193	41518	9599	1050450 (PR)	2517585
16. ALMORA MAGNISITE LTD. Magnesite											
	1	--	--	137	55	192	33764	1450	255	39606 (LM)	12543
Steatite	1	--	--	50	1	51	--	--	--	7440	23319
OWNER TOTAL :	2	--	--	187	56	243	33764	1450	255	--	35862
17. FERRO ALLOYS CORPN. LTD. Chromite											
	3	2	330	242	290	862	87296	8451	4475	234555 67532 (PR)	1023760 104744
Manganese	1	--	--	18	--	18	--	--	--	2256	4174
Quartz	1	--	--	27	--	27	--	--	--	7918	1162
OWNER TOTAL :	5	2	330	287	290	907	87296	8451	4475	--	1133840
18. GREAT EASTERN ENERGY CORPORATION LTD. Oil											
	1	--	--	--	400	400	--	--	915	1673189	5035838
19. GUJARAT MINERAL DEV. CORPN. LTD. Bauxite											
	11	--	--	423	21	444	27728	1233	90	11382433	1188403
Fluorite	1	--	--	57	6	63	39763	2759	--	69016	41212
Manganese	1	--	--	9	14	23	--	--	--	228207	622953
OWNER TOTAL :	13	--	--	489	41	530	67491	3992	90	--	1852568

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
20. GUJARAT STATE PETROLEUM CORPORATION LTD. Oil	2	--	--	--	21	21	--	--	35	21814 326098017 (GS)	416335 984816
21. HARYANA MINERALS LTD. Slate	1	--	--	72	9	81	--	1071	20	139513	134711
Stone	14	--	--	1395	112	1507	1149705	18606	1620	9149328 6639167 (PR)	664332 464322
OWNER TOTAL :	15	--	--	1467	121	1588	1149705	19677	1640	--	1263364
22. HINDUSTAN ALUMINIUM CORPN. LTD. Bauxite	5	--	--	455	40	495	263946	6331	--	547866	274335
23. HINDUSTAN OIL EXPLORATION COMPANY LIMITED Oil	1	--	--	--	135	135	--	--	146	375940 (GS)	2170643
24. HINDUSTAN SALT LTD. Salt	1	1	15	--	9	24	2472	--	8	4032227	3818381
25. HINDUSTAN ZINC LTD. Apatite & Rock Phospha	1	--	--	84	18	102	239197	2954	--	101851	193517
Galena & Sphalarite	11	7	1298	484	1702	3484	2414621	59610	32242	11638779 121512 (PR)	9626210 121512
OWNER TOTAL :	12	7	1298	568	1720	3586	2653818	62564	32242	--	9941239
26. HUTTI GOLD MINES CO. LTD. Gold	2	2	1493	--	1469	2962	577494	2970	53	676820	4583253
27. INDIAN ALUMINIUM CO. LTD. Bauxite	3	--	--	62	115	177	229603	3698	857	262834	39671
28. INDIA CEMENTS LTD. Limestone	15	--	--	332	91	423	1243765	27527	2774	2913592	821101
29. INDUSTRIAL DEV. CORPN. OF ORISSA LTD. Chromite	1	--	--	372	234	606	1250	4900	243	161244	273440
Limestone	3	--	--	288	30	318	518754	10997	95	11630	1256
OWNER TOTAL :	4	--	--	660	264	924	520004	15897	338	--	274696

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
30. J. K. CEMENT WORKS Limestone	5	--	--	184	24	208	581677	18225	630	4429020	1291109
31. J.STATE MINERAL DEV. CORPN. LT Kyanite	1	--	--	31	4	35	181	--	--	3491	3998
Limestone	3	--	--	110	71	181	7618	--	--	1627976	519084
Mica	1	--	--	--	8	8	--	--	--	38767 (PR)	60586
Stone	1	--	--	6	45	51	--	--	--	Nil	Nil
OWNER TOTAL :	6	--	--	147	128	275	7799	--	--	--	583667
32. JAYPEE REWA CEMENTS Limestone	4	--	--	175	33	208	1787980	32364	1450	4253262	757263
33. KARANPURA DEV. CO. LTD. Limestone	1	--	--	17	--	17	2236	210	--	50359	13090
34. KESORAM CEMENTS LTD. Limestone	1	--	--	77	65	142	814370	11160	758	1397976	390105
35. LARSEN & TOUBRO LTD. Oil	2	--	--	--	115	115	--	--	124	42627	854719
Limestone	4	--	--	320	182	502	2104143	46580	3747	11981000 (GS)	43275
Stone	2	--	--	20	28	48	505	--	80	3550074	502122
OWNER TOTAL :	8	--	--	340	325	665	2104648	46580	3951	--	1402189
36. INDIAN RARE EARTHS LTD. Apatite & Rock Phospha	Employment,Explosives and Machinery with Stone									74153	69072
Garnet	1	--	--	1002	--	1002	--	--	--	432408	346938
Sillimanite	4	--	--	1534	1702	3236	--	--	8960	138775	43714
										Nil	Nil
OWNER TOTAL :	5	--	--	2536	1702	4238	--	--	8960	--	459725
37. M. P. STATE MINING CORPN. LTD. Bauxite	5	--	--	342	19	361	7926	1230	--	354829	101641
Dolomite	1	--	--	3	5	8	--	--	--	Nil	Nil
Steatite	2	--	--	111	15	126	3537	50	--	25555	38889
OWNER TOTAL :	10	--	--	688	45	733	20946	1280	--	--	140529

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
38. MADRAS CEMENT LTD. Limestone	13	--	--	334	91	425	1727235	20901	3728	1295358	205428
39. MAHARASTRA STATE MINING CORPN. LTD.											
Dolomite	1	--	--	12	4	16	835	--	61	5927	3199
Fluorite	1	--	--	37	7	44	724	--	--	5337	969
Iron	1	--	--	46	13	59	--	--	--	9314 (LM)	12397
Kyanite	1	--	--	23	1	24	35	--	--	1782	585
Limestone	1	--	--	18	--	18	48	--	--	1474	251
Silica	1	--	--	6	31	37	312	--	347	43041	9684
Sillimanite	2	--	--	57	31	88	3864	--	29	3084	426
										336 (PR)	1902
OWNER TOTAL :	8	--	--	199	87	286	5818	--	437	--	29414
40. MALABAR CEMENT LTD. Limestone	1	--	--	64	133	197	242310	3762	1690	598661 (PR)	59866
41. MANGANESE ORE [INDIA] LTD. Manganese	11	7	2029	1534	1604	5167	450291	18013	12279	350769 452725 (PR)	2466894 4596546
42. MAWMLUH CHERRA CEMENTS LTD. Limestone	1	--	--	25	12	37	10742	1205	--	69696	13939
43. MINERAL ORIENTAL LTD. Marble	2	--	--	133	51	184	--	2725	1655	146298	137431
44. MINERAL SALES PVT. LTD. Iron	1	1	12	332	453	797	111232	14296	1132	172715 (FN) 95768 (LM)	60301 33436
45. MYSORE MINERALS LTD.											
Bauxite	1	--	--	26	11	37	2010	125	--	66029	7715
China Clay,clay,white-	2	--	--	38	49	87	--	--	18	25714	11148
Chromite	4	2	111	60	155	326	1553	1723	360	13828	30912
Dolomite	3	--	--	106	21	127	2478	--	--	124763	30616
Granite	20	--	--	434	87	521	3307	1960	573	39766	861544
Iron	4	--	--	282	11	293	50401	7744	--	9938412	7245141
										684128 (FN)	709646
Limestone	7	--	--	96	33	129	35754	282	5	240120	34917
Magnesite	2	--	--	54	36	90	344	1513	--	7787	18110
Manganese	1	--	--	20	--	20	--	--	--	1904	1466
Dunite										870	190
										Employment,Explosives and Machinery with Magnesite	
OWNER TOTAL :	44	2	111	1116	403	1630	95847	13347	956	--	8951405

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
46. NATIONAL MINERAL DEV. CORPN. LTD.											
Diamond	1	--	--	35	86	121	76025	4248	2098	18036	150900
Iron	5	--	--	1407	1744	3151	6426564	54017	26417	915437	329088
										14523386 (FN)	31681775
										9406575 (LM)	24680303
Limestone	1	--	--	25	--	25	1	--	355	Nil	Nil
OWNER TOTAL :	7	--	--	1467	1830	3297	6502590	58265	28870	--	56842066
47. NORTH BENGAL DOLOMITE CO.											
Dolomite	1	--	--	--	31	31	--	--	--	Nil	Nil
48. OIL & NATURAL GAS CORPORATION LTD.											
Oil	45	--	--	--	20135	20135	--	--	482189	11088145	208732295
										11104088566 (GS)	31498925
49. OIL INDIA LTD.											
Oil	7	--	--	--	5564	5564	--	--	83683	4006038	57013132
										247582000 (GS)	500828
50. ORISSA MINERAL DEVELOPMENT CO. LTD.											
Iron	4	--	--	1433	710	2143	84505	6020	1582	4635755	3528717
51. ORISSA MINING CORPN. LTD.											
Chromite	7	1	101	1881	568	2550	160059	24439	256	777766	3823502
										19610 (PR)	66485
Fire-clay	1	--	--	20	--	20	--	--	--	6360	1049
Iron	9	--	--	859	818	1677	209562	20903	5113	1606846	3058339
										62220 (FN)	49414
Limestone	1	--	--	7	11	18	--	--	--	9435	708
Manganese	4	--	--	570	182	752	150	850	37	Nil	Nil
										12714 (PR)	10432
OWNER TOTAL :	22	1	101	3337	1579	5017	369771	46192	5406	--	7009929
52. PATELNAGAR MINERALS & INDUSTRIES PVT. LTD.											
China Clay,clay,white-	1	--	--	21	181	202	--	1334	--	83157	1439
										5189 (PR)	4878
53. PYRITES PHOSPHATES & CHEMICALS LTD.											
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	Nil	Nil
54. RAJASTHAN STATE MINERAL DEV. CORPN. LTD.											
Apatite & Rock Phospha	2	--	--	54	10	64	4275	410	--	29915	6071
Limestone	2	--	--	135	110	245	246521	7243	1882	1097998	142207
OWNER TOTAL :	4	--	--	189	120	309	250796	7653	1882	--	148279

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
55. RAJASTHAN STATE MINES & MINERALS LTD.											
Apatite & Rock Phospha	1	--	--	712	435	1147	3497184	47368	2157	1601065	4991500
Gypsum	8	--	--	67	25	92	--	23330	--	2127533	869510
Limestone	1	--	--	48	24	72	543123	3782	840	705357	91696
Selenite	2	--	--	10	2	12	--	129	16	1436	1404
OWNER TOTAL :	12	--	--	837	486	1323	4040307	74609	3013	--	5954110
56. RAW MATERIAL DIVISION (SAIL)											
Dolomite	1	--	--	251	54	305	138225	40	--	470807	301917
Iron	7	--	--	1315	2614	3929	2030758	50456	34062	88789	38475
										9352604 (FN)	2978156
										5757574 (LM)	2323383
Limestone	4	--	--	390	553	943	339571	3295	19123	871548	178027
OWNER TOTAL :	12	--	--	1956	3221	5177	2508554	53791	53185	--	5819958
57. RELIANCE INDUSSTRIES LIMITED											
Oil	3	--	--	--	181	181	--	--	1721	4563	16405
										363000207 (GS)	1459036
58. S. K. SARAWAGI & CO. PVT. LTD.											
Manganese	8	--	--	531	27	558	20882	864	345	55385	43179
59. S. N. SUNDERSON & CO.											
Limestone	2	--	--	35	3	38	--	--	40	13184	923
60. SELAN EXPLORATION TECHNOLOGY LTD.											
Oil	3	--	--	--	25	25	--	--	--	33054	702266
										10353055 (GS)	31266
61. SESA STERLITE LTD.											
Iron	7	--	--	1611	947	2558	336539	36860	9059	1197143 (PR)	1967233
62. SHANKARLAL GANGARAM THAKKAR											
China Clay,clay,white-	10	--	--	172	--	172	--	--	--	106157	11819
63. TAMIL NADU CEMENT CORPN. LTD.											
Limestone	3	--	--	83	22	105	252142	3013	304	767697	124032
64. TAMIL NADU MINERALS LTD.											
Granite	48	--	--	1434	224	1658	638172	7418	1840	69012	507058
										405 (PR)	1454
Graphite	1	--	--	39	4	43	80058	--	8	48552	49759
Limestone	2	--	--	61	--	61	28041	120	60	40150	5056
Quartz	5	--	--	206	2	208	3936	--	--	4787	1621
Silica	4	--	--	59	11	70	--	--	--	111	30
Vermiculite	1	--	--	17	4	21	--	--	--	1573	2328
OWNER TOTAL :	61	--	--	1816	245	2061	750207	7538	1908	--	567306

STATEMENT NO. 1.9 (CONTD.)

OWNER / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
65. TATA IRON & STEEL CO. LTD.											
Chromite	1	--	--	434	1006	1440	575579	44319	4424	1111135 (FN) 83065 (LM)	981374 368501
Dolomite	1	--	--	48	62	110	161803	1652	925	442366 (PR)	162763
Iron	4	--	--	777	2637	3414	1794618	43204	23403	7689050 1855000 (LM) 5056646 (PR)	3366560 1855000 2696175
Limestone	1	--	--	69	5	74	287478	5794	140	1846981	37798
Magnesite	1	--	--	36	27	63	10478	681	344	10686 75046 (PR)	10106 21137
Manganese	5	--	--	690	549	1239	253205	5635	350	261530	737501
OWNER TOTAL :	13	--	--	2054	4286	6340	3083161	101285	29586	--	10236916
66. TRAVANCORE CEMENT LTD.											
Limestone	1	--	--	57	--	57	--	--	101	14190	12615
67. TUNGABHADRA MINERALS LTD.											
Iron	1	--	--	120	55	175	6835	12214	732	335518 (PR)	445292
68. U. P. STATE MINERAL DEV. CORPN. LTD.											
Bauxite	1	--	--	48	7	55	921	--	--	6420 (PR)	1520
69. UDAIPUR MINERAL DEV. SYNDICATE PVT. LTD.											
Steatite	5	--	--	336	35	371	163064	9942	1266	227943	68074
70. WEST BENGAL MINERAL DEV. & TRADING CORPN.											
Apatite & Rock Phospha	1	--	--	102	26	128	99	390	80	1350	980
Fire-clay	1	--	--	32	2	34	--	--	--	760	151
Stone	1	--	--	65	101	166	20436	3129	1461	669147	48112
OWNER TOTAL :	3	--	--	199	129	328	20535	3519	1541	--	49243
71. WEST BENGAL PROJECTS LTD.											
China Clay,clay,white-	1	--	--	77	1	78	--	--	--	4951	1089
72. WOLKEM INDUSTRIES LTD.											
Calcite	2	--	--	347	117	464	62824	1213	198	144781	77059
TOTAL : ORGANISED SECTOR	568	30	7174	41919	61061	110154	54745457	1213038	1006394	--	512523143
TOTAL : UNORGANISED SECTOR	1475	44	1857	59164	21065	82086	42527021	1480473	240741	--	259106138
TOTAL : ALL OWNERS	2043	74	9031	101083	82126	192240	97272478	2693511	1247135	--	771629282

* Output of all minerals are shown in tonnes except corundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively.

Corundum, mica and garnet are in kilograms. Output of Gas is given in '000 CuM.

PR : Processed, FN : Fine, AB : Abrasive, PL : Pallets, LM : Lumps, GE : Gems., GS : Gas

SECTION – II

MACHINERY

Statement 2.1: Trend in heavy earth moving machinery (HEMM) in metalliferous mines

Year	No. of Mines using HEMM	Electrical shovel		Diesel shovel		Dumper		Dozer		Loader		Tractor		Other		Total	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1984	220	96	32,663	349	78,318	1,355	310,921	314	85,150	157	25,695	104	4,881	166	26,114	2,541	563,750
1985	236	168	32,343	329	78,840	1,434	322,352	334	92,689	163	27,800	118	5,556	252	52,171	2,798	611,751
1986	274	161	30,015	358	85,817	1,590	386,148	355	98,059	189	35,340	138	6,339	305	61,166	3,096	702,884
1987	293	165	32,404	418	104,061	1,784	424,519	391	109,539	240	40,593	141	6,623	224	35,805	3,363	753,544
1988	255	164	32,735	364	91,665	1,748	412,219	336	98,218	234	41,577	116	5,331	338	44,592	3,300	726,337
1989	286	88	32,186	455	112,802	2,391	505,373	374	110,229	214	39,605	108	4,850	396	61,873	4,026	866,918
1990	300	80	28,199	474	116,391	2,263	482,969	359	101,662	205	37,793	108	5,447	581	61,319	4,070	833,780
1991	368	92	31,065	553	134,544	2,744	565,143	433	125,304	279	50,619	134	6,018	511	66,383	4,746	979,076
1992	397	99	34,149	566	140,675	3,067	621,173	425	128,986	393	63,343	144	6,512	495	66,059	5,189	1,060,897
1993	438	92	32,336	697	157,735	3,221	655,247	432	134,858	384	59,323	145	6,757	544	64,773	5,515	1,111,029
1994	479	103	32,054	720	167,153	3,416	714,497	428	134,685	424	65,807	166	7,925	579	63,286	5,836	1,185,407
1995	448	97	29,741	753	173,094	2,814	575,745	425	129,651	399	67,842	146	6,525	384	52,052	5,018	1,034,650
1996	457	68	25,456	841	199,241	3,409	721,196	448	137,723	446	73,975	150	8,557	217	31,681	5,579	1,197,829
1997	470	60	14,909	851	195,589	3,704	666,934	505	134,558	411	68,092	153	14,918	373	47,679	6,057	1,142,679
1998	534	44	16,602	939	209,905	4,286	718,731	505	137,138	476	81,167	137	7,853	263	34,778	6,702	1,215,459
1999	539	63	22,242	965	220,785	3,662	721,443	437	130,834	529	84,961	154	8,676	431	37,895	6,203	1,232,870
2000	588	76	21,245	1,057	243,953	4,050	849,609	456	140,070	583	99,652	127	7,280	358	42,487	6,768	1,415,037
2001	542	86	27,727	1,026	238,131	3,696	769,327	449	132,149	538	91,650	127	8,336	592	59,136	6,571	1,337,737
2002	577	95	30,794	1,107	247,275	3,928	780,702	496	132,744	559	89,645	109	6,314	577	63,855	6,871	1,351,329
2003	589	76	18,304	1,246	291,426	4,364	847,385	522	151,572	597	98,502	110	5,638	463	47,820	7,439	1,471,559
2004	613	68	16,810	1,313	301,366	5,174	971,812	573	159,621	670	108,327	108	7,068	517	64,820	8,502	1,644,411
2005	653	52	19,637	1,452	341,936	5,509	1,053,348	599	176,052	752	128,051	153	8,932	241	43,425	8,832	1,784,635
2006	591	58	26,833	1,577	355,012	5,543	956,079	673	180,693	740	129,002	126	9,931	785	113,845	9,426	1,789,531
2007	614	92	22,677	1,626	364,696	4,926	1,019,791	612	179,403	798	148,087	102	6,040	545	94,144	8,701	1,834,838
2008	705	67	14,344	1,885	415,686	6,514	1,238,077	645	170,986	881	143,205	86	4,985	848	122,335	10,926	2,109,638
2009	773	93	25,421	2,164	493,416	7,549	1,579,620	592	182,521	971	165,252	133	6,839	664	101,507	12,166	2,554,576
2010	812	88	20,782	2,258	511,401	8,370	1,684,690	620	186,712	1079	186,865	109	5,842	622	97,219	13,146	2,693,511

STATEMENT NO. 2.2
USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2010 : MINERAL-STATEWISE

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	1	--	--	1	20	2	20	4	20	--	--
	RAJASTHAN	1	--	--	--	--	--	--	12	720	--	--
	UTTARANCHAL	2	--	--	2	75	6	250	3	53	4	1400
	WEST BENGAL	1	--	--	--	--	--	--	3	80	--	--
TOTAL : APATITE & ROCK PHOSPHA		5	--	--	3	95	8	270	22	873	4	1400
2.	ASBESTOS											
	ANDHRA PRADESH	3	--	--	7	150	4	90	4	58	1	68
3.	BARYTES											
	ANDHRA PRADESH	2	--	--	--	--	1	20	14	2695	--	--
4.	BAUXITE											
	GUJARAT	4	--	--	--	--	--	--	4	31	--	--
	JHARKHAND	2	--	--	--	--	3	43	4	110	10	165
	MAHARASHTRA	2	--	--	--	--	--	--	10	48	13	227
TOTAL : BAUXITE		8	--	--	--	--	3	43	18	189	23	392
5.	CALCITE											
	RAJASTHAN	2	--	--	--	--	--	--	12	66	25	210
6.	CHINA CLAY,CLAY,WHITE-CLAY											
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	12	--	--
	GUJARAT	5	--	--	--	--	--	--	11	98	7	50
	JHARKHAND	7	--	--	--	--	--	--	9	160	13	140
	KARNATAKA	1	--	--	--	--	--	--	3	13	1	5
	KERALA	9	--	--	--	--	--	--	60	282	9	65
	ORISSA	1	--	--	--	--	--	--	2	20	--	--
	RAJASTHAN	1	--	--	--	--	--	--	1	8	--	--
	TAMIL NADU	1	--	--	--	--	--	--	1	5	--	--
	WEST BENGAL	2	--	--	--	--	--	--	3	20	2	50
TOTAL : CHINA CLAY,CLAY,WHITE-		28	--	--	--	--	--	--	92	618	32	310
7.	CHROMITE											
	KARNATAKA	1	2	75	2	10	--	--	2	48	--	--
	ORISSA	14	7	920	4	245	5	508	52	3206	169	5053
TOTAL : CHROMITE		15	9	995	6	255	5	508	54	3254	169	5053

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
1. APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	7	60
	RAJASTHAN	3	162	--	--	--	--	2	1275	17	2157
	UTTARANCHAL	3	9	4	20	--	--	--	--	22	1807
	WEST BENGAL	--	--	--	--	--	--	--	--	3	80
TOTAL : APATITE & ROCK PHOSPHA		6	171	4	20	--	--	2	1275	49	4104
2. ASBESTOS											
	ANDHRA PRADESH	--	--	2	145	--	--	--	--	18	511
3. BARYTES											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	15	2715
4. BAUXITE											
	GUJARAT	2	150	1	90	--	--	--	--	7	271
	JHARKHAND	2	6	--	--	--	--	2	15	21	339
	MAHARASHTRA	10	600	--	--	--	--	6	74	39	949
TOTAL : BAUXITE		14	756	1	90	--	--	8	89	67	1559
5. CALCITE											
	RAJASTHAN	4	70	--	--	--	--	--	--	41	346
6. CHINA CLAY, CLAY, WHITE-CLAY											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	2	12
	GUJARAT	1	30	--	--	--	--	--	--	19	178
	JHARKHAND	--	--	--	--	--	--	--	--	22	300
	KARNATAKA	--	--	--	--	--	--	--	--	4	18
	KERALA	4	40	--	--	--	--	--	--	73	387
	ORISSA	--	--	--	--	--	--	1	15	3	35
	RAJASTHAN	--	--	--	--	--	--	--	--	1	8
	TAMIL NADU	--	--	--	--	--	--	--	--	1	5
	WEST BENGAL	--	--	--	--	--	--	--	--	5	70
TOTAL : CHINA CLAY, CLAY, WHITE-		5	70	--	--	--	--	1	15	130	1013
7. CHROMITE											
	KARNATAKA	4	6	--	--	--	--	1	125	11	264
	ORISSA	28	187	8	1463	--	--	17	1561	290	13143
TOTAL : CHROMITE		32	193	8	1463	--	--	18	1686	301	13407

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
8. COPPER												
	JHARKHAND	2	4	1467	3	505	--	--	10	580	6	105
	MADHYA PRADESH	1	--	--	--	--	--	--	4	1130	--	--
	RAJASTHAN	2	2	5700	4	931	2	240	5	150	1	15
TOTAL : COPPER		5	6	7167	7	1436	2	240	19	1860	7	120
9. DIAMOND												
	MADHYA PRADESH	1	--	--	--	--	--	--	3	268	57	1684
10. DOLOMITE												
	ANDHRA PRADESH	2	--	--	4	10	1	100	5	370	16	189
	CHHATTISHGARH	8	--	--	--	--	--	--	27	854	34	1898
	MADHYA PRADESH	1	--	--	--	--	--	--	--	--	--	--
	MAHARASHTRA	1	--	--	--	--	--	--	3	61	--	--
	ORISSA	2	--	--	--	--	--	--	3	250	--	--
TOTAL : DOLOMITE		14	--	--	4	10	1	100	38	1535	50	2087
11. FELSPAR												
	ANDHRA PRADESH	2	--	--	--	--	--	--	5	192	--	--
12. FIRE-CLAY												
	ORISSA	1	--	--	--	--	--	--	1	5	--	--
13. GALENA & SPHALARITE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	30	--	--
	RAJASTHAN	9	10	2715	8	1641	5	47	27	1148	4	11038
TOTAL : GALENA & SPHALARITE		10	10	2715	8	1641	5	47	28	1178	4	11038
14. GOLD												
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--
	KARNATAKA	1	--	--	3	30	2	5	--	--	--	--
TOTAL : GOLD		2	--	--	4	40	3	15	1	3	--	--
15. GRANITE												
	ANDHRA PRADESH	45	5	155	--	--	--	--	126	1801	27	4024
	KARNATAKA	4	2	133	1	20	2	50	5	90	--	--
	KERALA	4	--	--	3	1	--	--	10	310	17	264
	ORISSA	1	--	--	--	--	--	--	2	60	--	--
	TAMIL NADU	12	--	--	--	--	--	--	8	61	--	--
TOTAL : GRANITE		66	7	288	4	21	2	50	151	2322	44	4288

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
8. COPPER											
	JHARKHAND	23	355	12	3870	--	--	--	--	58	6882
	MADHYA PRADESH	47	743	--	--	--	--	--	--	51	1873
	RAJASTHAN	21	397	14	9666	1	60	21	565	71	17724
TOTAL : COPPER		91	1495	26	13536	1	60	21	565	180	26479
9. DIAMOND											
	MADHYA PRADESH	9	146	--	--	--	--	--	--	69	2098
10. DOLOMITE											
	ANDHRA PRADESH	12	80	--	--	--	--	28	740	66	1489
	CHHATTISHGARH	6	1386	2	75	--	--	1	43	70	4256
	MADHYA PRADESH	--	--	--	--	--	--	1	95	1	95
	MAHARASHTRA	--	--	--	--	--	--	--	--	3	61
	ORISSA	6	40	--	--	--	--	18	650	27	940
TOTAL : DOLOMITE		24	1506	2	75	--	--	48	1528	167	6841
11. FELSPAR											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	5	192
12. FIRE-CLAY											
	ORISSA	--	--	--	--	--	--	--	--	1	5
13. GALENA & SPHALARITE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	30
	RAJASTHAN	21	325	18	5485	2	50	10	2375	105	24824
TOTAL : GALENA & SPHALARITE		21	325	18	5485	2	50	10	2375	106	24854
14. GOLD											
	JHARKHAND	1	1	--	--	--	--	--	--	4	24
	KARNATAKA	1	15	--	--	--	--	2	3	8	53
TOTAL : GOLD		2	16	--	--	--	--	2	3	12	77
15. GRANITE											
	ANDHRA PRADESH	59	891	13	2223	--	--	123	4212	353	13306
	KARNATAKA	4	29	2	120	--	--	2	430	18	872
	KERALA	5	6	1	60	6	34	3	115	45	790
	ORISSA	--	--	--	--	--	--	3	175	5	235
	TAMIL NADU	--	--	20	2200	--	--	5	274	33	2535
TOTAL : GRANITE		68	926	36	4603	6	34	136	5206	454	17738

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
16. GRAPHITE												
	ORISSA	4	--	--	--	--	--	--	6	35	--	--
	TAMIL NADU	1	--	--	--	--	--	--	--	--	--	--
TOTAL : GRAPHITE		5	--	--	--	--	--	--	6	35	--	--
17. IRON												
	CHHATTISHGARH	7	--	--	15	780	--	--	122	19558	323	23340
	GOA	41	--	--	--	--	1	60	127	13173	344	26508
	JHARKHAND	7	--	--	--	--	--	--	64	11058	392	27942
	KARNATAKA	24	--	--	--	--	32	280	21	3305	163	15456
	MAHARASHTRA	3	--	--	--	--	--	--	4	889	--	--
	ORISSA	44	4	642	37	185	--	--	192	8779	778	42101
	RAJASTHAN	1	--	--	--	--	--	--	3	205	24	690
TOTAL : IRON		127	4	642	52	965	33	340	533	56967	2024	136037
18. LATERITE												
	KARNATAKA	1	--	--	--	--	--	--	4	142	12	142
	KERALA	1	--	--	--	--	--	--	1	2	--	--
	RAJASTHAN	1	--	--	--	--	--	--	3	210	--	--
TOTAL : LATERITE		3	--	--	--	--	--	--	8	354	12	142
19. LIMESTONE												
	ANDAMAN & NICOBAR IS	1	--	--	--	--	--	--	1	23	--	--
	ANDHRA PRADESH	41	--	--	11	380	5	285	118	4709	73	4819
	ASSAM	1	--	--	--	--	--	--	--	--	--	--
	BIHAR	1	--	--	1	167	1	147	2	121	--	--
	CHHATTISHGARH	14	--	--	--	--	--	--	59	4513	--	--
	GUJARAT	5	--	--	--	--	--	--	7	216	--	--
	HIMACHAL PRADESH	4	--	--	--	--	1	37	9	455	1	738
	JHARKHAND	4	--	--	1	60	1	120	38	1424	--	--
	KARNATAKA	7	--	--	--	--	--	--	24	2023	13	9529
	KERALA	2	1	10	1	1	--	--	6	15	21	1672
	MEGHALAYA	2	--	--	--	--	--	--	2	20	--	--
	MADHYA PRADESH	20	--	--	9	33	8	906	97	4711	48	5104
	MAHARASHTRA	4	--	--	--	--	3	75	9	1078	22	4283
	ORISSA	9	--	--	--	--	--	--	29	555	3	145
	RAJASTHAN	55	--	--	3	17	33	899	126	3381	196	12392
	TAMIL NADU	35	--	--	--	--	2	600	91	3106	86	607
TOTAL : LIMESTONE		205	1	10	26	658	54	3069	618	26350	463	39289

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
16. GRAPHITE											
	ORISSA	--	--	--	--	--	--	--	--	6	35
	TAMIL NADU	--	--	--	--	--	--	1	8	1	8
TOTAL : GRAPHITE		--	--	--	--	--	--	1	8	7	43
17. IRON											
	CHHATTISHGARH	180	3263	--	--	--	--	86	5169	726	52110
	GOA	98	674	1	7	--	--	38	478	609	40900
	JHARKHAND	152	1787	11	440	--	--	10	187	629	41414
	KARNATAKA	24	100	5	642	--	--	22	1243	267	21026
	MAHARASHTRA	--	--	4	600	--	--	--	--	8	1489
	ORISSA	190	3829	13	1858	--	--	569	34100	1783	91494
	RAJASTHAN	--	--	--	--	--	--	--	--	27	895
TOTAL : IRON		644	9653	34	3547	--	--	725	41177	4049	249328
18. LATERITE											
	KARNATAKA	--	--	--	--	--	--	--	--	16	284
	KERALA	--	--	--	--	--	--	--	--	1	2
	RAJASTHAN	--	--	--	--	--	--	5	852	8	1062
TOTAL : LATERITE		--	--	--	--	--	--	5	852	25	1348
19. LIMESTONE											
	ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	--	1	23
	ANDHRA PRADESH	39	484	8	261	3	739	84	6153	341	17830
	ASSAM	4	17	--	--	--	--	--	--	4	17
	BIHAR	--	--	1	110	--	--	--	--	5	545
	CHHATTISHGARH	44	421	--	--	--	--	51	7288	154	12222
	GUJARAT	1	10	6	218	--	--	1	1	15	445
	HIMACHAL PRADESH	13	70	--	--	--	--	--	--	24	1300
	JHARKHAND	61	9084	3	569	--	--	39	8873	143	20130
	KARNATAKA	18	942	--	--	--	--	28	6047	83	18541
	KERALA	7	63	--	--	--	--	1	30	37	1791
	MEGHALAYA	3	965	--	--	--	--	1	844	6	1829
	MADHYA PRADESH	59	831	3	35	8	7468	89	18338	321	37426
	MAHARASHTRA	26	157	--	--	--	--	2	155	62	5748
	ORISSA	5	35	--	--	--	--	48	2294	85	3029
	RAJASTHAN	72	1025	4	175	--	--	402	23912	836	41801
	TAMIL NADU	5	140	2	111	--	--	110	2142	296	6706
TOTAL : LIMESTONE		357	14244	27	1479	11	8207	856	76077	2413	169383

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
20.	MAGNESITE											
	KARNATAKA	1	--	--	--	--	--	--	3	44	9	273
	TAMIL NADU	5	--	--	--	--	--	--	7	155	--	--
	UTTARANCHAL	1	--	--	--	--	--	--	--	--	--	--
TOTAL : MAGNESITE		7	--	--	--	--	--	--	10	199	9	273
21.	MANGANESE											
	ANDHRA PRADESH	15	--	--	--	--	--	--	36	588	3	18
	GOA	5	--	--	--	--	4	300	28	810	2	10
	KARNATAKA	6	--	--	--	--	--	--	31	365	11	99
	MADHYA PRADESH	12	6	940	5	340	4	180	57	2086	63	182
	MAHARASHTRA	7	2	220	6	230	4	180	21	1474	27	457
	ORISSA	10	--	--	1	10	--	--	17	406	--	--
TOTAL : MANGANESE		55	8	1160	12	580	12	660	190	5729	106	766
22.	MARBLE											
	GUJARAT	4	--	--	--	--	--	--	68	196	4	155
	MADHYA PRADESH	2	--	--	--	--	--	--	10	220	--	--
	RAJASTHAN	8	--	--	--	--	--	--	103	708	13	113
TOTAL : MARBLE		14	--	--	--	--	--	--	181	1124	17	268
23.	MICA											
	ANDHRA PRADESH	20	11	155	14	160	9	112	14	126	1	10
	BIHAR	1	--	--	1	10	--	--	1	10	--	--
	JHARKHAND	1	1	10	--	--	--	--	--	--	--	--
TOTAL : MICA		22	12	165	15	170	9	112	15	136	1	10
24.	QUARTZ											
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	10	--	--
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--
TOTAL : QUARTZ		2	--	--	1	10	1	10	2	13	--	--
25.	SALT											
	HIMACHAL PRADESH	1	--	--	1	8	--	--	--	--	--	--
26.	SANDSTONE											
	ANDHRA PRADESH	1	--	--	--	--	--	--	117	3631	284	3809
	JHARKHAND	2	--	--	--	--	--	--	2	42	1	20
	RAJASTHAN	1	--	--	--	--	--	--	--	--	1	59
TOTAL : SANDSTONE		4	--	--	--	--	--	--	119	3673	286	3888

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
20.	MAGNESITE										
	KARNATAKA	3	27	--	--	--	--	--	--	15	344
	TAMIL NADU	17	88	--	--	--	--	2	4	26	247
	UTTARANCHAL	--	--	--	--	--	--	8	255	8	255
TOTAL : MAGNESITE		20	115	--	--	--	--	10	259	49	846
21.	MANGANESE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	39	606
	GOA	--	--	--	--	--	--	3	80	37	1200
	KARNATAKA	51	413	--	--	--	--	--	--	93	877
	MADHYA PRADESH	31	194	--	--	--	--	4	50	170	3972
	MAHARASHTRA	27	159	--	--	--	--	25	120	112	2840
	ORISSA	--	--	1	210	--	--	--	--	19	626
TOTAL : MANGANESE		109	766	1	210	--	--	32	250	470	10121
22.	MARBLE										
	GUJARAT	19	92	28	840	--	--	62	2616	181	3899
	MADHYA PRADESH	--	--	2	120	--	--	20	926	32	1266
	RAJASTHAN	19	252	51	3195	--	--	136	4719	322	8987
TOTAL : MARBLE		38	344	81	4155	--	--	218	8261	535	14152
23.	MICA										
	ANDHRA PRADESH	2	8	13	720	--	--	9	102	73	1393
	BIHAR	--	--	--	--	--	--	--	--	2	20
	JHARKHAND	--	--	--	--	--	--	--	--	1	10
TOTAL : MICA		2	8	13	720	--	--	9	102	76	1423
24.	QUARTZ										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	10
	JHARKHAND	1	1	--	--	--	--	--	--	4	24
TOTAL : QUARTZ		1	1	--	--	--	--	--	--	5	34
25.	SALT										
	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	1	8
26.	SANDSTONE										
	ANDHRA PRADESH	20	228	--	--	--	--	12	325	433	7993
	JHARKHAND	--	--	--	--	--	--	--	--	3	62
	RAJASTHAN	3	41	--	--	--	--	2	30	6	130
TOTAL : SANDSTONE		23	269	--	--	--	--	14	355	442	8185

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
27.	SELENITE											
	RAJASTHAN	1	--	--	--	--	--	--	2	16	--	--
28.	SILICA											
	HARYANA	4	--	--	--	--	--	--	64	408	4	470
	MAHARASHTRA	3	--	--	--	--	--	--	4	126	21	546
	RAJASTHAN	3	--	--	--	--	--	--	3	20	51	470
TOTAL : SILICA		10	--	--	--	--	--	--	71	554	76	1486
29.	SILLIMANITE											
	KERALA	1	--	--	--	--	--	--	83	664	367	5019
	MAHARASHTRA	2	--	--	--	--	--	--	3	27	277	1617
	TAMIL NADU	1	--	--	--	--	--	--	--	--	--	--
TOTAL : SILLIMANITE		4	--	--	--	--	--	--	86	691	644	6636
30.	SLATE											
	HARYANA	1	--	--	--	--	--	--	2	20	--	--
31.	STEATITE											
	ANDHRA PRADESH	3	--	--	--	--	2	15	3	27	--	--
	BIHAR	1	--	--	--	--	--	--	6	60	--	--
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--
	ORISSA	1	--	--	--	--	--	--	2	3	--	--
	RAJASTHAN	20	--	--	1	10	7	105	42	3292	3	147
TOTAL : STEATITE		26	--	--	1	10	9	120	54	3422	3	147
32.	STONE											
	BIHAR	3	--	--	--	--	--	--	9	135	27	237
	GOA	6	--	--	--	--	--	--	--	--	2	8
	GUJARAT	3	--	--	--	--	1	8	6	155	19	327
	HARYANA	1	--	--	--	--	--	--	--	--	--	--
	JHARKHAND	38	--	--	--	--	--	--	17	275	16	2275
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--
	MAHARASHTRA	2	--	--	--	--	--	--	--	--	--	--
	TAMIL NADU	1	--	--	--	--	--	--	--	--	2	80
	WEST BENGAL	10	--	--	--	--	--	--	12	96	8	1730
TOTAL : STONE		65	--	--	--	--	1	8	44	661	74	4657
33.	WOLLASTONITE											
	RAJASTHAN	3	--	--	--	--	--	--	7	61	23	98
TOTAL : METALLIFEROUS		719	57	13142	151	6049	153	5702	2410	115121	4154	220347

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
27.	SELENITE										
	RAJASTHAN	--	--	--	--	--	--	--	--	2	16
28.	SILICA										
	HARYANA	6	10	--	--	--	--	1	10	75	898
	MAHARASHTRA	7	40	--	--	--	--	3	142	35	854
	RAJASTHAN	--	--	--	--	--	--	--	--	54	490
TOTAL : SILICA		13	50	--	--	--	--	4	152	164	2242
29.	SILLIMANITE										
	KERALA	--	--	--	--	--	--	--	--	450	5683
	MAHARASHTRA	11	24	--	--	--	--	7	27	298	1695
	TAMIL NADU	640	3277	--	--	--	--	--	--	640	3277
TOTAL : SILLIMANITE		651	3301	--	--	--	--	7	27	1388	10655
30.	SLATE										
	HARYANA	--	--	--	--	--	--	--	--	2	20
31.	STEATITE										
	ANDHRA PRADESH	--	--	--	--	--	--	2	373	7	415
	BIHAR	--	--	2	420	--	--	--	--	8	480
	JHARKHAND	--	--	--	--	--	--	--	--	1	40
	ORISSA	--	--	--	--	--	--	--	--	2	3
	RAJASTHAN	5	439	8	760	--	--	3	105	69	4858
TOTAL : STEATITE		5	439	10	1180	--	--	5	478	87	5796
32.	STONE										
	BIHAR	--	--	3	260	--	--	--	--	39	632
	GOA	--	--	2	45	--	--	16	1563	20	1616
	GUJARAT	3	18	2	130	--	--	24	262	55	900
	HARYANA	--	--	--	--	--	--	9	1620	9	1620
	JHARKHAND	12	367	4	306	--	--	17	670	66	3893
	KARNATAKA	--	--	--	--	--	--	6	99	6	99
	MAHARASHTRA	10	20	--	--	--	--	1	30	11	50
	TAMIL NADU	--	--	--	--	--	--	--	--	2	80
	WEST BENGAL	4	130	5	140	--	--	15	328	44	2424
TOTAL : STONE		29	535	16	881	--	--	88	4572	252	11314
33.	WOLLASTONITE										
	RAJASTHAN	7	43	--	--	--	--	8	141	45	343
TOTAL : METALLIFEROUS		2175	35442	279	37589	20	8351	2228	145453	11627	587196

□

STATEMENT NO. 2.3
USAGE OF MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2010

SL. NO.	MINERAL / STATE	NO.OF MINES USING BG MACHINERY	WINDING		HAULAGE		VENTILATION		PUMPING		CONVEYOR		ELECT. TRACT.		OTHERS		TOTAL	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1.	APATITE & ROCK PHOSPHATE UTTARANCHAL	2	1	120	1	50	1	50	3	240	3	50	--	--	--	--	9	510
2.	ASBESTOS ANDHRA PRADESH	2	2	34	--	--	3	43	1	10	--	--	--	--	--	--	6	87
3.	BARYTES ANDHRA PRADESH	1	--	--	--	--	1	15	1	10	--	--	--	--	--	--	2	25
4.	CHROMITE KARNATAKA	1	--	--	--	--	4	96	--	--	--	--	--	--	--	--	4	96
	ORISSA	6	1	30	5	230	20	335	35	1724	--	--	4	70	--	--	65	2389
TOTAL : CHROMITE		7	1	30	5	230	24	431	35	1724	--	--	4	70	--	--	69	2485
5.	COPPER JHARKHAND	2	6	510	--	--	17	285	26	2485	8	395	18	340	6	360	81	4375
	RAJASTHAN	2	5	1535	1	40	62	1496	17	1653	7	235	22	330	9	1106	123	6395
TOTAL : COPPER		4	11	2045	1	40	79	1781	43	4138	15	630	40	670	15	1466	204	10770
6.	GALENA & SPHALARITE ANDHRA PRADESH	1	--	--	1	75	1	50	2	60	--	--	--	--	--	--	4	185
	RAJASTHAN	6	4	1324	2	215	12	263	24	2695	10	652	2	180	23	1874	77	7203
TOTAL : GALENA & SPHALARITE		7	4	1324	3	290	13	313	26	2755	10	652	2	180	23	1874	81	7388
7.	GOLD JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45
	UTTARANCHAL	1	--	--	--	--	1	3	--	--	--	--	--	--	--	--	1	3
TOTAL : GOLD		2	--	--	1	10	2	13	2	25	--	--	--	--	--	--	5	48
8.	LIMESTONE JHARKHAND	1	--	--	--	--	--	--	9	748	--	--	--	--	--	--	9	748
9.	MANGANESE MADHYA PRADESH	4	2	220	8	200	2	5	44	3004	--	--	10	207	--	--	66	3636
	MAHARASHTRA	5	--	--	1	50	3	30	28	2590	--	--	1	49	--	--	33	2719
TOTAL : MANGANESE		9	2	220	9	250	5	35	72	5594	--	--	11	256	--	--	99	6355

STATEMENT NO. 2.3 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING BG MACHINERY	WINDING		HAULAGE		VENTILATION		PUMPING		CONVEYOR		ELECT. TRACT.		OTHERS		TOTAL	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10. MICA																		
	ANDHRA PRADESH	12	6	75	4	45	6	40	44	439	1	15	--	--	6	42	67	656
	BIHAR	1	--	--	--	--	--	--	2	20	--	--	--	--	--	--	2	20
	JHARKHAND	1	--	--	--	--	--	--	2	10	--	--	--	--	--	--	2	10
TOTAL : MICA		14	6	75	4	45	6	40	48	469	1	15	--	--	6	42	71	686
11. QUARTZ																		
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45
12. STEATITE																		
	RAJASTHAN	2	--	--	--	--	--	--	13	171	--	--	--	--	--	--	13	171
TOTAL : METALLIFEROUS		52	27	3848	25	925	135	2731	255	15909	29	1347	57	1176	44	3382	572	29318

STATEMENT NO. 2.4
USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2010

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
1. APATITE & ROCK PHOSPHATE												
	RAJASTHAN	3	--	--	25	6586	141	38770	12	2130	7	856
	WEST BENGAL	1	--	--	1	72	3	268	--	--	--	--
TOTAL : APATITE & ROCK PHOSPHA		4	--	--	26	6658	144	39038	12	2130	7	856
2. BARYTES												
	ANDHRA PRADESH	1	--	--	11	796	60	400	3	400	1	108
	RAJASTHAN	1	--	--	1	250	--	--	--	--	--	--
TOTAL : BARYTES		2	--	--	12	1046	60	400	3	400	1	108
3. BAUXITE												
	CHHATTISHGARH	4	--	--	23	2875	49	4856	2	345	4	470
	GUJARAT	12	--	--	2	310	5	390	--	--	12	842
	JHARKHAND	8	--	--	18	2426	63	9578	--	--	7	738
	KARNATAKA	2	--	--	2	333	9	1015	1	52	--	--
	MADHYA PRADESH	2	--	--	1	245	4	720	--	--	1	95
	MAHARASHTRA	5	--	--	7	1493	18	3090	--	--	8	892
	ORISSA	2	--	--	12	2096	44	4622	11	3305	16	1851
TOTAL : BAUXITE		35	--	--	65	9778	192	24271	14	3702	48	4888
4. CALCITE												
	RAJASTHAN	3	--	--	3	325	7	880	2	360	8	776
5. CHINA CLAY,CLAY,WHITE-CLAY												
	GUJARAT	2	--	--	1	160	12	1675	--	--	--	--
	JHARKHAND	1	--	--	--	--	2	67	--	--	1	72
	KERALA	1	--	--	2	236	--	--	--	--	--	--
	RAJASTHAN	3	2	250	2	250	22	3482	--	--	2	110
	WEST BENGAL	1	--	--	2	174	19	1088	--	--	1	72
TOTAL : CHINA CLAY,CLAY,WHITE-		8	2	250	7	820	55	6312	--	--	4	254
6. CHROMITE												
	KARNATAKA	2	--	--	2	258	10	1286	--	--	1	76
	ORISSA	16	--	--	69	14239	374	84714	38	9284	26	2635
TOTAL : CHROMITE		18	--	--	71	14497	384	86000	38	9284	27	2711
7. COPPER												
	JHARKHAND	1	--	--	--	--	8	395	--	--	--	--
	MADHYA PRADESH	1	5	2799	8	5040	30	18600	3	1510	8	3200
	RAJASTHAN	2	--	--	--	--	2	220	--	--	10	960
TOTAL : COPPER		4	5	2799	8	5040	40	19215	3	1510	18	4160

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
1. APATITE & ROCK PHOSPHATE											
	RAJASTHAN	--	--	--	--	2	440	6	1950	193	50732
	WEST BENGAL	1	50	--	--	--	--	--	--	5	390
TOTAL : APATITE & ROCK PHOSPHA		1	50	--	--	2	440	6	1950	198	51122
2. BARYTES											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	75	1704
	RAJASTHAN	--	--	--	--	--	--	--	--	1	250
TOTAL : BARYTES		--	--	--	--	--	--	--	--	76	1954
3. BAUXITE											
	CHHATTISHGARH	--	--	--	--	--	--	9	910	87	9456
	GUJARAT	17	760	--	--	--	--	--	--	36	2302
	JHARKHAND	4	153	--	--	--	--	--	--	92	12895
	KARNATAKA	1	35	--	--	--	--	--	--	13	1435
	MADHYA PRADESH	2	70	--	--	--	--	1	100	9	1230
	MAHARASHTRA	7	339	--	--	--	--	--	--	40	5814
	ORISSA	--	--	--	--	3	520	11	1102	97	13496
TOTAL : BAUXITE		31	1357	--	--	3	520	21	2112	374	46628
4. CALCITE											
	RAJASTHAN	--	--	--	--	--	--	--	--	20	2341
5. CHINA CLAY,CLAY,WHITE-CLAY											
	GUJARAT	--	--	--	--	--	--	1	160	14	1995
	JHARKHAND	--	--	--	--	--	--	--	--	3	139
	KERALA	--	--	--	--	--	--	--	--	2	236
	RAJASTHAN	1	40	--	--	--	--	--	--	29	4132
	WEST BENGAL	--	--	--	--	--	--	--	--	22	1334
TOTAL : CHINA CLAY,CLAY,WHITE-		1	40	--	--	--	--	1	160	70	7836
6. CHROMITE											
	KARNATAKA	1	35	--	--	--	--	1	68	15	1723
	ORISSA	2	90	--	--	6	815	67	6396	582	118173
TOTAL : CHROMITE		3	125	--	--	6	815	68	6464	597	119896
7. COPPER											
	JHARKHAND	--	--	--	--	--	--	--	--	8	395
	MADHYA PRADESH	--	--	--	--	--	--	5	1900	59	33049
	RAJASTHAN	1	50	--	--	--	--	--	--	13	1230
TOTAL : COPPER		1	50	--	--	--	--	5	1900	80	34674

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
8. DIAMOND												
	MADHYA PRADESH	1	--	--	3	755	4	1801	3	960	2	432
9. DOLOMITE												
	ANDHRA PRADESH	1	--	--	4	1046	8	3040	2	552	2	430
	CHHATTISHGARH	3	--	--	3	660	47	9253	1	224	12	3000
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--
	ORISSA	2	--	--	4	696	8	800	--	--	4	452
TOTAL : DOLOMITE		7	--	--	11	2402	63	13093	4	816	18	3882
10. FIRE-CLAY												
	ORISSA	1	--	--	1	220	5	575	--	--	--	--
11. FLUORITE												
	GUJARAT	1	--	--	5	829	6	1390	2	540	--	--
12. GALENA & SPHALARITE												
	RAJASTHAN	3	--	--	11	1703	42	45416	13	5204	12	4094
13. GOLD												
	KARNATAKA	1	--	--	2	300	13	2340	1	180	--	--
14. GRANITE												
	ANDHRA PRADESH	58	--	--	144	31164	157	33681	6	1554	7	1653
	GOA	1	--	--	2	268	--	--	--	--	--	--
	KARNATAKA	13	--	--	26	5335	38	5973	1	220	8	1480
	KERALA	2	--	--	3	379	4	122	--	--	1	72
	MADHYA PRADESH	1	--	--	9	2248	15	2310	1	160	1	355
	ORISSA	1	--	--	3	555	5	735	--	--	--	--
	TAMIL NADU	51	8	920	61	10876	108	9511	--	--	1	501
TOTAL : GRANITE		127	8	920	248	50825	327	52332	8	1934	18	4061
15. GRAPHITE												
	ORISSA	2	--	--	1	230	2	200	--	--	1	116
16. GYPSUM												
	RAJASTHAN	14	--	--	20	2627	235	21600	--	--	--	--
17. IRON												
	CHHATTISHGARH	9	33	13005	31	12565	284	74368	36	13965	11	3738
	GOA	59	--	--	224	52482	1327	186946	106	35024	146	25748
	JHARKHAND	9	6	2010	32	10469	106	34962	24	6875	22	4880
	KARNATAKA	68	--	--	288	51729	921	131755	22	6909	198	25274
	MADHYA PRADESH	1	--	--	1	115	--	--	--	--	--	--
	MAHARASHTRA	9	--	--	23	5056	145	15290	17	5693	14	2293
	ORISSA	50	30	1063	232	45241	673	134529	62	18527	200	30321
	RAJASTHAN	1	--	--	4	778	30	3600	--	--	3	372
TOTAL : IRON		206	69	16078	835	178435	3486	581450	267	86993	594	92626

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
8. DIAMOND											
	MADHYA PRADESH	--	--	--	--	1	145	1	155	14	4248
9. DOLOMITE											
	ANDHRA PRADESH	1	50	--	--	1	140	1	380	19	5638
	CHHATTISHGARH	--	--	--	--	--	--	5	1152	68	14289
	JHARKHAND	--	--	--	--	--	--	--	--	1	40
	ORISSA	--	--	--	--	--	--	--	--	16	1948
TOTAL : DOLOMITE		1	50	--	--	1	140	6	1532	104	21915
10. FIRE-CLAY											
	ORISSA	--	--	--	--	--	--	--	--	6	795
11. FLUORITE											
	GUJARAT	--	--	--	--	--	--	--	--	13	2759
12. GALENA & SPHALARITE											
	RAJASTHAN	--	--	--	--	5	1358	4	1835	87	59610
13. GOLD											
	KARNATAKA	--	--	--	--	--	--	1	150	17	2970
14. GRANITE											
	ANDHRA PRADESH	2	350	--	--	--	--	27	1773	343	70175
	GOA	--	--	--	--	--	--	--	--	2	268
	KARNATAKA	2	130	--	--	--	--	12	875	87	14013
	KERALA	1	35	--	--	--	--	--	--	9	608
	MADHYA PRADESH	--	--	--	--	--	--	3	330	29	5403
	ORISSA	--	--	--	--	--	--	--	--	8	1290
	TAMIL NADU	--	--	--	--	--	--	37	4673	215	26481
TOTAL : GRANITE		5	515	--	--	--	--	79	7651	693	118238
15. GRAPHITE											
	ORISSA	--	--	--	--	--	--	--	--	4	546
16. GYPSUM											
	RAJASTHAN	12	510	--	--	--	--	--	--	267	24737
17. IRON											
	CHHATTISHGARH	--	--	--	--	11	2215	25	9515	431	129371
	GOA	--	--	--	--	11	1661	25	4150	1839	306011
	JHARKHAND	--	--	--	--	8	1824	10	2268	208	63288
	KARNATAKA	1	50	--	--	4	810	28	3236	1462	219763
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	115
	MAHARASHTRA	2	100	--	--	1	280	3	965	205	29677
	ORISSA	7	419	--	--	13	2014	39	7628	1256	239742
	RAJASTHAN	--	--	--	--	--	--	--	--	37	4750
TOTAL : IRON		10	569	--	--	48	8804	130	27762	5439	992717

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
18. LATERITE												
	GUJARAT	1	--	--	1	128	5	800	--	--	--	--
	RAJASTHAN	1	--	--	7	1040	26	4920	2	720	--	--
TOTAL : LATERITE		2	--	--	8	1168	31	5720	2	720	--	--
19. LIMESTONE												
	ANDHRA PRADESH	55	2	405	123	36382	396	114548	38	10922	10	3328
	ASSAM	4	--	--	5	515	26	2775	2	285	--	--
	BIHAR	2	--	--	1	250	24	4955	1	280	--	--
	CHHATTISHGARH	13	--	--	44	14480	149	53830	18	6850	21	5886
	GUJARAT	15	1	180	41	8476	220	55789	14	3992	26	4738
	HIMACHAL PRADESH	8	--	--	31	10694	62	27907	13	3134	4	557
	JHARKHAND	3	--	--	10	2783	14	7540	3	945	1	220
	JAMMU & KASHMIR	1	--	--	1	125	2	280	1	320	--	--
	KARNATAKA	12	--	--	36	12198	90	32544	9	4251	9	2514
	KERALA	1	--	--	4	1492	16	2270	--	--	--	--
	MEGHALAYA	6	--	--	15	3472	65	11260	5	983	1	331
	MADHYA PRADESH	23	--	--	85	27445	302	86480	37	10694	40	12651
	MAHARASHTRA	7	--	--	23	7575	85	23724	16	5566	2	705
	ORISSA	6	--	--	26	7108	60	22975	3	942	2	236
	RAJASTHAN	61	--	--	138	30672	723	152883	34	9306	48	9897
	TAMIL NADU	35	--	--	73	17075	244	47012	19	5629	20	2519
	UTTAR PRADESH	1	--	--	4	1405	23	6335	1	308	--	--
TOTAL : LIMESTONE		253	3	585	660	182147	2501	653107	214	64407	184	43582
20. MAGNESITE												
	KARNATAKA	3	--	--	5	820	10	1144	--	--	2	230
	TAMIL NADU	4	--	--	7	1148	25	6501	2	640	1	300
	UTTARANCHAL	1	--	--	3	420	4	880	--	--	1	150
TOTAL : MAGNESITE		8	--	--	15	2388	39	8525	2	640	4	680
21. MANGANESE												
	ANDHRA PRADESH	5	--	--	5	776	23	1872	2	420	5	656
	GOA	3	--	--	12	1418	92	8714	2	918	2	240
	KARNATAKA	3	--	--	4	443	15	1356	1	200	4	500
	MADHYA PRADESH	8	--	--	11	2373	55	11992	5	1107	22	6794
	MAHARASHTRA	4	--	--	19	5727	10	2130	3	820	5	527
	ORISSA	12	--	--	35	5170	82	11563	6	1042	16	1664
TOTAL : MANGANESE		35	--	--	86	15907	277	37627	19	4507	54	10381

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
18. LATERITE											
	GUJARAT	--	--	--	--	--	--	--	--	6	928
	RAJASTHAN	--	--	--	--	--	--	--	--	35	6680
TOTAL : LATERITE		--	--	--	--	--	--	--	--	41	7608
19. LIMESTONE											
	ANDHRA PRADESH	4	261	--	--	2	265	25	2152	600	168263
	ASSAM	--	--	--	--	--	--	--	--	33	3575
	BIHAR	--	--	--	--	--	--	--	--	26	5485
	CHHATTISHGARH	--	--	--	--	3	574	7	2324	242	83944
	GUJARAT	--	--	--	--	1	155	5	3520	308	76850
	HIMACHAL PRADESH	--	--	--	--	2	358	5	322	117	42972
	JHARKHAND	2	100	--	--	--	--	5	315	35	11903
	JAMMU & KASHMIR	--	--	--	--	--	--	--	--	4	725
	KARNATAKA	1	47	--	--	--	--	1	250	146	51804
	KERALA	--	--	--	--	--	--	--	--	20	3762
	MEGHALAYA	--	--	--	--	--	--	--	--	86	16046
	MADHYA PRADESH	3	240	--	--	14	3400	6	1932	487	142842
	MAHARASHTRA	--	--	--	--	2	305	12	1252	140	39127
	ORISSA	--	--	--	--	1	145	6	750	98	32156
	RAJASTHAN	10	483	--	--	1	195	47	4831	1001	208267
	TAMIL NADU	5	233	--	--	--	--	16	2520	377	74988
	UTTAR PRADESH	--	--	--	--	--	--	--	--	28	8048
TOTAL : LIMESTONE		25	1364	--	--	26	5397	135	20168	3748	970757
20. MAGNESITE											
	KARNATAKA	--	--	--	--	--	--	--	--	17	2194
	TAMIL NADU	2	116	--	--	1	280	3	330	41	9315
	UTTARANCHAL	--	--	--	--	--	--	--	--	8	1450
TOTAL : MAGNESITE		2	116	--	--	1	280	3	330	66	12959
21. MANGANESE											
	ANDHRA PRADESH	1	55	--	--	--	--	--	--	36	3779
	GOA	--	--	--	--	--	--	--	--	108	11290
	KARNATAKA	--	--	--	--	--	--	--	--	24	2499
	MADHYA PRADESH	2	76	--	--	--	--	2	90	97	22432
	MAHARASHTRA	1	55	--	--	--	--	2	140	40	9399
	ORISSA	--	--	--	--	--	--	17	802	156	20241
TOTAL : MANGANESE		4	186	--	--	--	--	21	1032	461	69640

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
22.	MARBLE											
	GUJARAT	4	--	--	29	3144	22	2782	--	--	4	384
	MADHYA PRADESH	2	--	--	1	265	10	2165	--	--	2	595
	RAJASTHAN	5	1	150	28	6712	38	10420	--	--	12	3652
TOTAL : MARBLE		11	1	150	58	10121	70	15367	--	--	18	4631
23.	MICA											
	ANDHRA PRADESH	1	--	--	--	--	--	--	--	--	--	--
24.	QUARTZ											
	ANDHRA PRADESH	1	--	--	1	220	5	550	--	--	--	--
	TAMIL NADU	1	--	--	--	--	1	90	--	--	--	--
TOTAL : QUARTZ		2	--	--	1	220	6	640	--	--	--	--
25.	SANDSTONE											
	HARYANA	1	--	--	2	400	--	--	--	--	--	--
	RAJASTHAN	1	--	--	1	131	43	4120	--	--	--	--
	UTTAR PRADESH	1	--	--	--	--	10	1082	--	--	1	110
TOTAL : SANDSTONE		3	--	--	3	531	53	5202	--	--	1	110
26.	SELENITE											
	RAJASTHAN	1	--	--	--	--	--	--	--	--	1	65
27.	SILICA											
	GUJARAT	1	--	--	1	160	5	800	--	--	--	--
	HARYANA	3	--	--	2	180	12	900	--	--	1	140
	RAJASTHAN	2	--	--	1	110	15	1650	--	--	4	290
TOTAL : SILICA		6	--	--	4	450	32	3350	--	--	5	430
28.	SILLIMANITE											
	MAHARASHTRA	1	--	--	--	--	10	2200	--	--	8	880
29.	SLATE											
	HARYANA	1	--	--	2	241	6	750	--	--	--	--
30.	STEATITE											
	ANDHRA PRADESH	1	--	--	1	350	--	--	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	1	50	--	--	--	--
	ORISSA	1	--	--	1	115	2	80	--	--	--	--
	RAJASTHAN	13	--	--	14	4095	74	17123	2	340	12	1107
TOTAL : STEATITE		16	--	--	16	4560	77	17253	2	340	12	1107

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
22.	MARBLE										
	GUJARAT	3	196	--	--	4	160	5	278	67	6944
	MADHYA PRADESH	--	--	--	--	--	--	1	50	14	3075
	RAJASTHAN	--	--	--	--	--	--	14	1205	93	22139
TOTAL : MARBLE		3	196	--	--	4	160	20	1533	174	32158
23.	MICA										
	ANDHRA PRADESH	--	--	--	--	--	--	2	125	2	125
24.	QUARTZ										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	6	770
	TAMIL NADU	--	--	--	--	--	--	--	--	1	90
TOTAL : QUARTZ		--	--	--	--	--	--	--	--	7	860
25.	SANDSTONE										
	HARYANA	--	--	--	--	--	--	--	--	2	400
	RAJASTHAN	--	--	--	--	--	--	--	--	44	4251
	UTTAR PRADESH	--	--	--	--	--	--	4	440	15	1632
TOTAL : SANDSTONE		--	--	--	--	--	--	4	440	61	6283
26.	SELENITE										
	RAJASTHAN	2	64	--	--	--	--	--	--	3	129
27.	SILICA										
	GUJARAT	--	--	--	--	--	--	--	--	6	960
	HARYANA	--	--	--	--	--	--	7	387	22	1607
	RAJASTHAN	--	--	--	--	--	--	--	--	20	2050
TOTAL : SILICA		--	--	--	--	--	--	7	387	48	4617
28.	SILLIMANITE										
	MAHARASHTRA	--	--	--	--	--	--	--	--	18	3080
29.	SLATE										
	HARYANA	--	--	--	--	--	--	1	80	9	1071
30.	STEATITE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	350
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	50
	ORISSA	--	--	--	--	--	--	--	--	3	195
	RAJASTHAN	4	175	--	--	--	--	4	2800	110	25640
TOTAL : STEATITE		4	175	--	--	--	--	4	2800	115	26235

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
31. STONE												
	BIHAR	1	--	--	--	--	23	4986	--	--	--	--
	GOA	4	--	--	8	953	2	63	1	35	--	--
	GUJARAT	1	--	--	2	250	9	1112	--	--	1	112
	HARYANA	4	--	--	24	7532	38	10855	4	815	4	496
	JHARKHAND	11	--	--	4	285	8	615	--	--	3	270
	MAHARASHTRA	3	--	--	15	4668	35	10040	2	610	12	3715
	ORISSA	1	--	--	2	500	--	--	--	--	--	--
	RAJASTHAN	1	--	--	--	--	--	--	1	100	--	--
	TAMIL NADU	3	--	--	4	698	17	2600	--	--	1	130
	WEST BENGAL	3	--	--	9	1219	36	3935	--	--	3	330
TOTAL : STONE		32	--	--	68	16105	168	34206	8	1560	24	5053
32. WOLLASTONITE												
	RAJASTHAN	3	--	--	8	1073	35	4430	3	525	10	982
TOTAL : METALLIFEROUS		812	88	20782	2258	511401	8370	1684690	620	186712	1079	186865

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
31. STONE											
	BIHAR	--	--	--	--	--	--	--	--	23	4986
	GOA	--	--	--	--	--	--	--	--	11	1051
	GUJARAT	--	--	--	--	--	--	--	--	12	1474
	HARYANA	--	--	--	--	1	160	1	118	72	19976
	JHARKHAND	--	--	--	--	--	--	3	176	18	1346
	MAHARASHTRA	--	--	--	--	1	140	--	--	65	19173
	ORISSA	--	--	--	--	--	--	--	--	2	500
	RAJASTHAN	3	450	--	--	--	--	--	--	4	550
	TAMIL NADU	--	--	--	--	--	--	--	--	22	3428
	WEST BENGAL	1	25	--	--	--	--	--	--	49	5509
TOTAL : STONE		4	475	--	--	2	300	4	294	278	57993
32. WOLLASTONITE											
	RAJASTHAN	--	--	--	--	--	--	--	--	56	7010
TOTAL : METALLIFEROUS		109	5842	--	--	99	18359	523	78860	13146	2693511

STATEMENT NO. 2.5
USAGE OF ELECTRICAL MACHINERIES AND DIESEL COMPRESSORS IN OIL MINES DURING THE YEAR 2010

STATE	NO.OF MINES USING MACHINERIES	DRAW WORKS		HOISTS		PUMPS		PORTABLE MACH.		WORKSHOPS		OTHERS		TOTAL		DIESEL COMP.	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ANDHRA PRADESH	4	14	12200	1	5	224	26914	25	1	2	6	448	11615	714	50741	9	850
ARUNACHAL PRADESH	1	--	--	--	--	48	477	1	3	2	2	1	5	52	487	--	--
ASSAM	24	69	61470	22	249	1289	159918	57	6949	284	2744	1632	80348	3353	311678	180	18478
GUJARAT	23	42	29426	96	1652	1882	140742	78	1001	11	171	1062	15344	3171	188336	304	197353
JHARKHAND	3	--	--	--	--	51	1650	3	15	--	--	--	--	54	1665	1	143
MADHYA PRADESH	2	--	--	--	--	16	691	3	2	3	2	10	26	32	721	--	--
RAJASTHAN	7	12	8145	3	3020	603	37355	14	192	2	7	1	1000	635	49719	3	658
TAMIL NADU	4	--	--	--	--	264	3176	12	10	12	100	74	1333	362	4619	1	74
TRIPURA	4	1	2000	3	4200	59	10750	4	20	11	201	10	723	88	17894	12	1050
WEST BENGAL	2	1	1000	1	1000	26	2915	--	--	--	--	1	1000	29	5915	2	525
TOTAL : OIL	74	139	114241	126	10126	4462	384588	197	8193	327	3233	3239	111394	8490	631775	512	219131

STATEMENT NO. 2.6
USAGE OF DRILLS AND DIESEL COMPRESSORS IN METALLIFEROUS MINES DURING THE YEAR 2010

MINERAL	NO. OF MINES USING DRILLS	NUMBER OF DRILLS			NO. OF MINES USING COMPRESSORS	COMPRESSORS	
		SMALL	HEAVY	TOTAL		NO.	H.P.
1	2	3	4	5	6	7	8
APATITE & ROCK PHOSPHA	9	28	22	50	7	18	958
ASBESTOS	3	--	10	10	2	2	245
BARYTES	5	5	2	7	4	5	262
BAUXITE	59	85	32	117	32	56	6426
CALCITE	3	7	5	12	3	7	1025
CHINA CLAY, CLAY, WHITE-	5	7	--	7	4	6	262
CHROMITE	21	66	59	125	9	18	2371
COPPER	5	145	60	205	3	19	5955
DIAMOND	1	--	3	3	1	1	206
DOLOMITE	28	38	12	50	10	21	1978
FELSPAR	3	9	--	9	--	--	--
FIRE-CLAY	1	1	--	1	--	--	--
FLUORITE	3	3	5	8	1	3	520
GALENA & SPHALARITE	6	43	32	75	2	4	1619
GOLD	4	356	43	399	2	4	210
GRANITE	183	1217	167	1384	149	434	47768
GRAPHITE	1	2	1	3	--	--	--
GYPSUM	2	3	--	3	--	--	--
IRON	170	161	270	431	87	189	34210
KYANITE	2	4	--	4	1	1	210
LATERITE	2	8	1	9	3	6	387
LIMESTONE	365	449	463	912	193	326	44365
MAGNESITE	11	20	10	30	8	18	1870
MANGANESE	56	362	37	399	28	58	10348
MARBLE	15	219	35	254	13	71	7239
MICA	23	36	9	45	11	12	820
QUARTZ	13	29	2	31	7	8	750
SALT	1	2	--	2	1	1	50
SANDSTONE	2	1	5	6	1	5	680
SILICA	21	52	13	65	15	24	4262
SILLIMANITE	2	3	1	4	5	27	2688
STEATITE	43	68	20	88	23	33	2852
STONE	152	202	54	256	73	110	10854
WOLLASTONITE	3	21	9	30	3	16	1850
TOTAL : METALLIFEROUS	1223	3652	1382	5034	701	1503	193240

SECTION – III

EXPLOSIVES

Statement 3.1: Trend in consumption of explosives and detonators

Year	No. of mines using explosives	Consumption of explosives (in tonnes)								Detonators ('000 numbers)	
		N.G. based	A.N. based	Liquid oxygen	Slurries large	Slurries small	Boosters	Gun powder	Total	Electrical	Ordinary
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1984	915	6,222	4,481	744	5,088	1,736	213	112	18,596	8,633	9,122
1985	904	5,493	5,102	740	8,186	3,315	42	82	22,960	7,759	9,385
1986	983	4,053	5,711	992	10,692	3,339	36	94	24,917	8,429	10,363
1987	983	4,318	6,249	1,180	11,727	3,584	31	90	27,179	8,864	9,339
1988	959	4,120	6,318	1,691	13,648	2,190	61	91	28,119	8,427	8,713
1989	953	4,104	6,964	1,553	15,687	1,433	52	80	29,882	8,656	8,665
1990	944	4,650	7,912	1,786	15,703	1,554	44	71	31,720	8,023	8,124
1991	949	5,793	10,272	1,148	20,690	2,262	44	63	40,272	8,204	8,708
1992	952	4,293	11,868	648	23,831	3,309	51	59	44,059	9,676	8,920
1993	993	3,765	14,087	244	22,264	3,601	37	60	44,058	9,836	7,864
1994	1,025	3,065	13,448	260	22,400	4,015	29	68	43,285	9,485	7,919
1995	1,064	3,766	13,767	171	23,781	4,546	42	105	46,178	9,239	9,386
1996	1,027	3,429	14,520	124	23,993	5,053	30	93	47,243	8,216	8,864
1997	1,020	2,759	17,964	39	15,182	7,256	42	113	43,356	7,379	7,717
1998	1,017	1,713	18,719	154	17,199	9,126	52	111	47,074	6,716	7,529
1999	967	1,828	22,151	153	18,353	7,159	30	86	49,760	6,307	7,284
2000	1,056	1,233	17,887	148	25,561	10,333	94	113	55,369	6,582	7,201
2001	1,045	1,021	21,476	140	24,303	7,877	81	92	55,809	6,028	6,142
2002	1,206	1,092	21,111	368	26,186	6,640	128	88	55,613	6,621	6,138
2003	1,075	1,005	20,471	238	36,473	5,279	176	88	63,729	7,076	6,395
2004	1,098	1,323	24,547	168	36,883	7,300	253	111	70,584	7,458	6,768
2005	1,128	1,382	28,085	168	40,538	9,892	501	130	80,700	8,264	6,339
2006	983	608	33,757	Nil*	53,240	6,766	662	116	95,146	9,073	5,551
2007	1043	566	31,179	457	57,122	7,940	437	73	97,769	9,413	4,658
2008	1105	655	38,438	457	63,282	7,096	691	111	120,866	10,078	5,515
2009	1140	471	36,843	282	56,607	7,103	338	92	101,736	10,533	4,989
2010	1141	438	34,249	268	54,621	7,220	369	106	97,272	12,657	4,289

*No mine reported the use of Liquid oxygen during the year 2006.

STATEMENT NO. 3.2
CONSUMPTION OF EXPLOSIVES IN METALLIFEROUS MINES DURING THE YEAR 2010 : MINERAL- STATEWISE

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries Large Diameter	Slurries Small Diameter	Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers) Electric	Ordinary
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	APATITE & ROCK PHOSPHATE												
	ANDHRA PRADESH	1	--	2158	--	--	--	--	--	--	2158	4820	--
	MADHYA PRADESH	2	95	4775	2350	2263	--	--	--	--	9483	1150	10083
	RAJASTHAN	3	--	--	--	3642033	81088	17535	--	--	3740656	3547	262
	UTTARANCHAL	2	--	580	--	--	--	--	--	--	580	--	--
	WEST BENGAL	1	--	--	--	--	99	--	--	--	99	870	981
	TOTAL : APATITE & ROCK PHOSPHA	9	95	7513	2350	3644296	81187	17535	--	--	3752976	10387	11326
2.	ASBESTOS												
	ANDHRA PRADESH	3	--	--	--	8639	--	--	--	--	8639	--	39263
3.	BARYTES												
	ANDHRA PRADESH	3	--	100	679253	2644280	427	--	--	--	3324060	2194	72126
	HIMACHAL PRADESH	1	--	103	--	--	--	--	--	--	103	--	820
	RAJASTHAN	1	--	--	--	--	555	--	--	--	555	--	4440
	TOTAL : BARYTES	5	--	203	679253	2644280	982	--	--	--	3324718	2194	77386
4.	BAUXITE												
	CHHATTISHGARH	3	--	--	396936	27800	540	--	--	--	425276	12969	10611
	GUJARAT	17	--	534	19850	--	32070	--	--	--	52454	4690	42678
	JHARKHAND	14	--	200	631679	30333	4218	--	--	--	666430	17855	56759
	KARNATAKA	2	--	--	--	70	2010	--	--	--	2080	16267	50
	MADHYA PRADESH	5	--	735	--	--	13397	--	--	--	14132	41137	46923
	MAHARASHTRA	9	--	16732	66827	21425	18068	--	--	--	123052	36788	4038
	TAMIL NADU	1	--	44	--	--	--	--	--	--	44	34	--
	UTTAR PRADESH	3	--	--	1391	--	921	--	--	--	2312	--	17943
	TOTAL : BAUXITE	54	--	18245	1116683	79628	71224	--	--	--	1285780	129740	179002
5.	CALCITE												
	RAJASTHAN	3	--	3297	116967	--	3944	--	--	--	124208	114288	21248
6.	CHINA CLAY,CLAY,WHITE-CLAY												
	ANDHRA PRADESH	2	--	--	--	--	810	--	--	--	810	1978	3708
	RAJASTHAN	2	--	456	--	--	375	--	--	--	831	--	4620
	TOTAL : CHINA CLAY,CLAY,WHITE-	4	--	456	--	--	1185	--	--	--	1641	1978	8328

STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers)	
						Large Diameter	Small Diameter					Electric	Ordinary
1	2	3	4	5	6	7	8	9	10	11	12	13	14
7.	CHROMITE												
	KARNATAKA	3	--	--	152	--	1401	--	--	--	1553	4292	1061
	ORISSA	18	--	--	10453	950656	109367	1535	--	--	1072011	321779	3893
TOTAL : CHROMITE		21	--	--	10605	950656	110768	1535	--	--	1073564	326071	4954
8.	COPPER												
	JHARKHAND	2	--	7150	--	16030	203966	--	--	--	227146	370207	100
	MADHYA PRADESH	1	--	--	--	2847505	--	--	--	--	2847505	--	1780
	RAJASTHAN	2	--	--	232000	103649	192670	--	--	--	528319	129931	--
TOTAL : COPPER		5	--	7150	232000	2967184	396636	--	--	--	3602970	500138	1880
9.	DIAMOND												
	MADHYA PRADESH	1	--	--	--	76025	--	--	--	--	76025	--	1084
10.	DOLOMITE												
	ANDHRA PRADESH	3	--	--	--	222267	2105	--	--	--	224372	6920	11766
	CHHATTISHGARH	8	--	--	334708	702314	20116	--	--	--	1057138	28364	79596
	JHARKHAND	1	--	--	--	138225	--	--	--	--	138225	10680	579
	KARNATAKA	8	--	2231	--	--	1185	--	--	1860	5276	19858	16666
	MADHYA PRADESH	2	--	--	--	--	4535	--	--	--	4535	16938	--
	MAHARASHTRA	2	--	--	--	--	1729	--	--	--	1729	13195	--
	ORISSA	3	--	--	24444	161200	2761	188	--	--	188593	35074	412
TOTAL : DOLOMITE		27	--	2231	359152	1224006	32431	188	--	1860	1619868	131029	109019
11.	FELSPAR												
	ANDHRA PRADESH	3	--	1839	30400	--	14683	--	--	--	46922	16672	8941
12.	FIRE-CLAY												
	ORISSA	1	--	--	--	--	959	--	--	--	959	--	5503
13.	FLUORITE												
	GUJARAT	1	--	--	245	39518	--	--	--	--	39763	992	--
	MAHARASHTRA	1	--	--	--	--	724	--	--	--	724	5176	--
	RAJASTHAN	1	--	--	700	75	--	--	--	--	775	--	1400
TOTAL : FLUORITE		3	--	--	945	39593	724	--	--	--	41262	6168	1400

STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries Large Diameter	Slurries Small Diameter	Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers) Electric	Detonators (In Numbers) Ordinary
1	2	3	4	5	6	7	8	9	10	11	12	13	14
14.	GALENA & SPHALARITE RAJASTHAN	6	--	--	353710	1680636	380275	--	--	--	2414621	651023	29639
15.	GOLD												
	JHARKHAND	1	--	--	--	--	8700	--	--	--	8700	22920	--
	KARNATAKA	2	--	--	--	194028	383466	--	--	--	577494	190234	13195
	UTTARANCHAL	1	--	--	--	--	45	--	--	--	45	--	--
	TOTAL : GOLD	4	--	--	--	194028	392211	--	--	--	586239	213154	13195
16.	GRANITE												
	GRANITE	1	--	--	--	--	--	--	--	60	60	--	--
	ANDHRA PRADESH	59	--	20117	397410	559032	185339	--	--	--	1161898	407983	1066
	GOA	2	--	--	10100	7475	2764	--	--	--	20339	37089	645
	KARNATAKA	14	--	1046	--	620	28708	--	--	15154	45528	237292	17157
	KERALA	7	--	--	6224	243	3305	--	--	400	10172	43773	17673
	MADHYA PRADESH	1	--	--	--	--	2600	--	--	--	2600	30800	--
	ORISSA	1	--	--	--	--	496	--	--	--	496	2128	--
	TAMIL NADU	64	--	25722	--	420181	242352	--	--	15102	703357	183705	28691
	TOTAL : GRANITE	149	--	46885	413734	987551	465564	--	--	30716	1944450	942770	65232
17.	GRAPHITE												
	TAMIL NADU	1	--	--	55175	24883	--	--	--	--	80058	786	161
18.	GYPSUM												
	JAMMU & KASHMIR	2	--	3732	--	--	--	--	--	--	3732	--	10578
19.	IRON												
	ANDHRA PRADESH	2	--	--	--	3980	5	--	--	--	3985	--	42951
	CHHATTISHGARH	9	4121	121495	--	6753233	6843	24043	--	--	6909735	--	40671
	GOA	13	--	2220	--	408431	34902	--	--	--	445553	2442	3803
	JHARKHAND	16	--	--	319932	2605762	8730	945	--	--	2935369	24201	48577
	KARNATAKA	41	--	189	339920	2740213	40091	45	84082	--	3204540	507742	44826
	MADHYA PRADESH	2	--	729	--	--	--	--	--	--	729	28150	3015
	MAHARASHTRA	3	--	--	--	123505	67011	--	--	--	190516	--	44806
	ORISSA	70	41226	5828	1011640	4375393	1546889	65289	--	--	7046265	158273	396545
	TOTAL : IRON	156	45347	130461	1671492	17010517	1704471	90322	84082	--	20736692	720808	625194

STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers)	
1	2	3	4	5	6	Large Diameter	Small Diameter	9	10	11	12	Electric	Ordinary
20.	KYANITE												
	JHARKHAND	1	--	--	--	--	181	--	--	--	181	--	1109
	MAHARASHTRA	1	--	--	--	--	35	--	--	--	35	226	--
TOTAL : KYANITE		2	--	--	--	--	216	--	--	--	216	226	1109
21.	LATERITE												
	KERALA	1	--	--	--	--	7050	--	--	--	7050	38000	--
	RAJASTHAN	1	--	--	91950	60625	--	--	--	--	152575	7561	--
TOTAL : LATERITE		2	--	--	91950	60625	7050	--	--	--	159625	45561	--
22.	LIMESTONE												
	ANDAMAN & NICOBAR IS	1	--	7526	--	--	--	--	--	--	7526	9727	84
	ANDHRA PRADESH	63	452	6644	5793776	4996149	122908	29380	--	50100	10999409	441552	276254
	ASSAM	6	--	--	33815	60694	6240	143	--	--	100892	50737	14670
	BIHAR	2	--	--	81090	254314	4964	--	--	--	340368	9092	8142
	CHHATTISHGARH	15	--	--	1614973	2960342	229902	36507	--	--	4841724	93663	34514
	GUJARAT	25	--	--	789845	729633	82244	--	--	--	1601722	164850	131415
	HIMACHAL PRADESH	25	3938	5555	1452385	72788	114803	12	--	--	1649481	23801	146462
	JHARKHAND	15	--	1157	432502	183610	17848	--	--	--	635117	87892	90009
	JAMMU & KASHMIR	1	--	--	--	--	23100	--	--	--	23100	--	70
	KARNATAKA	34	--	20105	1697073	1708090	93094	243	--	11078	3529683	101289	43729
	KERALA	1	--	--	101200	58850	82260	--	--	--	242310	18732	--
	MEGHALAYA	8	--	9380	147390	216015	10205	--	--	--	382990	127620	9500
	MADHYA PRADESH	35	--	370	4055744	2574832	69263	751	--	8580	6709540	799576	205193
	MAHARASHTRA	10	--	--	696300	794131	141447	--	--	3658	1635536	23947	14245
	ORISSA	12	--	--	588140	537483	289141	--	--	--	1414764	811294	807
	RAJASTHAN	58	--	10254	6397967	4891869	93543	178081	--	--	11571714	176964	242569
	TAMIL NADU	41	--	2533	2220111	1686921	914199	525	--	--	4824289	712235	148595
	UTTARANCHAL	2	--	385	--	3070	427	--	--	--	3882	--	14934
TOTAL : LIMESTONE		354	4390	63909	26102311	21728791	2295588	245642	--	73416	50514047	3652971	1381192
23.	MAGNESITE												
	JHARKHAND	1	--	--	--	--	29	--	--	--	29	--	240
	KARNATAKA	3	--	--	280	9197	1845	--	--	--	11322	4574	11266
	TAMIL NADU	5	--	708	214259	105217	3577	--	--	--	323761	46191	32943
	UTTARANCHAL	1	--	--	4300	16445	13006	13	--	--	33764	23929	88930
TOTAL : MAGNESITE		10	--	708	218839	130859	18457	13	--	--	368876	74694	133379

STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries Large Diameter	Slurries Small Diameter	Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers) Electric	Ordinary
1	2	3	4	5	6	7	8	9	10	11	12	13	14
24.	MANGANESE												
	ANDHRA PRADESH	7	--	14	--	12475	8393	--	--	--	20882	--	25942
	GOA	1	--	--	--	--	40	--	--	--	40	--	282
	KARNATAKA	8	--	--	--	2025	47940	--	184002	--	233967	439	42950
	MADHYA PRADESH	10	--	2604	--	28460	252511	--	--	--	283575	479999	35742
	MAHARASHTRA	8	--	--	--	40417	245718	--	--	--	286135	319023	10493
	ORISSA	18	--	1513	55389	346130	203910	25	--	--	606967	459	112373
TOTAL : MANGANESE		52	--	4131	55389	429507	758512	25	184002	--	1431566	799920	227782
25.	MARBLE												
	GUJARAT	2	--	--	--	2506	3177	--	--	--	5683	2600	36497
	MADHYA PRADESH	2	--	--	--	--	5613	--	--	--	5613	--	923
	RAJASTHAN	4	--	--	--	30250	7818	2827	--	--	40895	--	8642
TOTAL : MARBLE		8	--	--	--	32756	16608	2827	--	--	52191	2600	46062
26.	MICA												
	ANDHRA PRADESH	18	--	25	--	4922	24446	--	--	--	29393	63565	100231
	BIHAR	2	--	301	--	--	1740	--	--	--	2041	--	15165
	JHARKHAND	1	--	246	--	--	--	--	--	--	246	--	1980
TOTAL : MICA		21	--	572	--	4922	26186	--	--	--	31680	63565	117376
27.	QUARTZ												
	ANDHRA PRADESH	6	--	--	--	--	12181	--	--	28	12209	18045	500
	CHHATTISHGARH	2	--	--	--	--	3744	--	--	--	3744	19254	--
	JHARKHAND	1	--	--	--	--	7150	--	--	--	7150	19050	--
	ORISSA	1	--	--	--	--	1737	--	--	--	1737	8675	--
	RAJASTHAN	1	--	--	--	--	3947	--	--	--	3947	--	18784
	TAMIL NADU	2	--	740	2575	--	322	--	--	299	3936	2370	1513
TOTAL : QUARTZ		13	--	740	2575	--	29081	--	--	327	32723	67394	20797
28.	SALT												
	HIMACHAL PRADESH	1	--	--	--	--	2472	--	--	--	2472	--	6705
29.	SANDSTONE												
	RAJASTHAN	1	--	--	29115	7475	--	--	--	--	36590	412	109112
	UTTAR PRADESH	1	--	--	--	19443	--	--	--	--	19443	3602	--
TOTAL : SANDSTONE		2	--	--	29115	26918	--	--	--	--	56033	4014	109112

STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	Based Small Diameter	A. N. Based	Slurries Large Diameter Small Diameter		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers) Electric Ordinary	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
30.	SILICA												
	HARYANA	14	2652	12669	462782	7975	11514	--	--	--	497592	36523	304546
	MAHARASHTRA	3	--	582	--	--	1518	--	--	--	2100	16983	--
	RAJASTHAN	4	--	--	38749	4180	4938	--	--	--	47867	146	6330
TOTAL : SILICA		21	2652	13251	501531	12155	17970	--	--	--	547559	53652	310876
31.	SILLIMANITE												
	MAHARASHTRA	2	--	--	--	3634	2830	--	--	--	6464	21440	--
32.	STEATITE												
	ANDHRA PRADESH	5	--	1885	3445	--	2300	--	--	--	7630	18600	7200
	BIHAR	1	--	--	--	--	1910	--	--	--	1910	14480	20
	JHARKHAND	1	--	930	--	--	--	--	--	--	930	4640	--
	MADHYA PRADESH	3	--	3537	--	--	6006	--	--	--	9543	41933	9435
	ORISSA	1	--	--	2617	--	--	--	--	--	2617	17450	--
	RAJASTHAN	29	--	6297	702634	207840	83969	3543	--	--	1004283	26212	367020
	UTTAR PRADESH	1	--	--	--	--	8294	--	--	--	8294	39769	640
TOTAL : STEATITE		41	--	12649	708696	207840	102479	3543	--	--	1035207	163084	384315
33.	STONE												
	BIHAR	4	--	965	--	14700	3820	--	--	--	19485	37133	--
	GOA	8	--	--	22900	71450	6141	--	--	--	100491	84490	--
	GUJARAT	4	--	1725	34480	11770	13782	--	--	--	61757	31155	20076
	HARYANA	12	22368	3657	1134107	11825	39216	7607	--	--	1218780	1207695	227889
	JHARKHAND	90	1056	20876	1148	7528	131765	--	--	--	162373	429840	27168
	KARNATAKA	1	--	--	--	--	110	--	--	--	110	2102	--
	MAHARASHTRA	11	--	100	10660	216674	38968	--	--	--	266402	96748	26480
	ORISSA	2	--	6703	--	--	185	--	--	--	6888	40957	--
	RAJASTHAN	2	8400	--	6000	12000	--	--	--	--	26400	--	14700
	TAMIL NADU	5	--	320	42700	66150	30050	--	--	--	139220	81351	156
	WEST BENGAL	13	--	1792	63786	28268	17140	--	--	--	110986	1788754	10830
TOTAL : STONE		152	31824	36138	1315781	440365	281177	7607	--	--	2112892	3800225	327299
34.	WOLLASTONITE												
	RAJASTHAN	3	--	--	180713	10536	4354	--	--	--	195603	140617	9749
TOTAL : METALLIFEROUS		1141	84308	354110	34249366	54620830	7220224	369237	268084	106319	97272478	12657169	4289086

SECTION – IV

ACCIDENT

STATEMENT NO. 4.0

Codes for classification of accidents by cause and place of occurrence

Code	Cause of Accident	Code	Cause of Accident
Ground movement		Explosives	
0111	Fall of roof	0551	Solid blasting projectiles
0112	Fall of sides(other than overhangs)	0552	Deep hole blasting projectiles
0113	Fall of overhang	0553	Secondary blasting projectiles
0114	Rock burst/bumps	0554	Other projectiles
0115	Air blast	0555	Misfires/sockets(while drilling into)
0116	Premature collapse of workings/pillars	0556	Misfire/socket(other than drilling into)
0117	Subsidence	0557	Delayed ignition
0118	Landslide	0558	Blown through shots
0119	Collapse of shaft	0559	Other explosive accident
Transportation machinery(winding)		Electricity	
0221	Overwinding of cages/skip, etc. (upgoing)	0661	Overhead lines
0222	Breakage of rope, chain, draw/suspn. gear	0662	Trailing cables
0223	Falls of persons from cages, skip, etc.	0663	Switch gears, gate end boxes, pommel, etc.
0224	Falling of objects from cages, skip, etc.	0664	Energized machines
0225	Hit by cages, skip, etc.	0665	Power cables other than trailing cables
0228	Overwinding of cages/skip (downgoing)	0669	Other electrical accidents
0229	Other accident due to winding operation	Dust, gas & other combustible material	
Transportation machinery(non winding)		0771	Occurrence of gas
0331	Aerial ropeway	0772	Influx of gas
0332	Rope haulage	0774	Explosion/ignition of gas/dust, etc.
0333	Other rail transportation	0775	Outbreak of fire or spontaneous heating
0334	Conveyors	0776	Well blowout (with fire)
0335	Dumpers	0777	Well blowout (without fire)
0336	Wagon movements	0778	Other combustible material
0339	Wheeled trackless(truck, tanker, etc.)	0779	Other accidents due to dust/gas/fire
Machinery other than transp. machinery		Falls(other than fall of ground)	
0441	Drilling machines	0881	Fall of person from height/into depth
0442	Cutting machines	0882	Fall of persons on the same level
0443	Loading machines	0883	Fall of objects incl. rolling objects
0444	Haulage engine	0889	Other accident due to falls
0445	Winding engine	Other causes	
0446	Shovel, dragline, frontend loader, etc.	0991	Irruption of water
0447	Crushing & screening plants	0992	Flying pieces(except due to explosives)
0448	Other heavy earth moving machinery	0993	Drowning in water
0449	Other non-transportation machinery	0994	Buried in sands, etc.
		0995	Bursting/leakage of oil pipe lines
		0999	Unclassified

Statement 4.0 (Continued)

Code	Place of Accident	Code	Place of Accident
BELOW GROUND		OPENCAST	
Development area		Benches	
111	< 10m of development face	211	Waste/overburden alluvium
112	> 10m and within working district	212	Waste/overburden float
Long wall panel		213	Waste/overburden hard rock
121	> 10m of long wall face	214	Coal/ore benches
122	Gate roads in long wall panels	Quarry (other than benches)	
Depillaring / stoping		221	Top of the quarry
131	< 10m of face	222	Bed of the quarry
132	> 10m but < 30m	Roads	
133	> 30m but within working district	231	Haul roads
Outside working district		232	Rope haulage roads
141	Traveling roadways	239	Other transportation roads
149	Unclassified	Other open cast places	
Tramming roadways		241	Waste dump
151	Within district	249	Other places (specify)
152	Outside district	ABOVE GROUND	
Haulage roadways (within district)		Transportation road/sites	
161	Rope haulage roadways	311	Aerial ropeways
162	Conveyor roadways	312	Rope haulage roads
163	Loco roadways	313	Wheeled trackless transportation roads
169	Unclassified	314	Railway lines belonging to mines
Haulage roadways (outside district)		315	Petroleum pipelines
171	Rope haulage roadways	319	Unclassified
172	Conveyor roadways	Plant sites	
173	Loco roadways	321	Site of ore handling plants
179	Unclassified	322	Workshop, powerhouse, engine room, etc.
180	Shaft	323	Erection/rigging site
199	Other below ground places	324	Gas col stn/gas comp stn/group gather.
		325	Oil wells/water inject wells
		329	Unclassified
		Other above ground places	
		331	Depot
		332	Waste dump
		333	Water reservoir
		339	Unclassified

STATEMENT NO. 4.1

Trend in accidents, resultant casualties and rates

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	No. of persons		No. of Accidents	No. of persons S/Injured	Death	Serious
			Killed	S/Injured				
1	2	3	4	5	6	7	8	9
COPPER	2000	1	1	-	7	7	0.15	1.02
	2001	1	1	2	8	8	0.25	2.50
	2002	1	1	-	5	6	0.30	1.79
	2003	-	-	-	4	4	-	1.58
	2004	-	-	-	1	1	-	0.49
	2005	-	-	-	4	4	-	2.07
	2006	-	-	-	-	-	-	-
	2007	-	-	-	1	1	-	0.41
	2008	1	1	2	3	3	0.38	1.91
	2009	1	1	-	5	8	0.33	2.61
	2010	-	-	-	3	3	-	1.03
GALENA	2000	-	-	-	34	35	-	6.65
	2001	-	-	-	44	44	-	8.44
	2002	1	1	-	23	23	0.22	5.12
	2003	-	-	-	22	22	-	6.24
	2004	3	3	-	30	30	0.79	7.94
	2005	1	1	-	24	24	0.31	7.43
	2006	1	1	-	12	12	0.31	3.66
	2007	1	1	-	14	14	0.30	4.24
	2008	2	4	1	21	22	1.22	7.03
	2009	-	-	-	24	28	-	8.33
	2010	1	1	-	7	7	0.29	2.01
GOLD	2000	-	-	-	39	39	-	7.31
	2001	1	1	-	32	32	0.28	8.44
	2002	-	-	-	40	40	-	11.97
	2003	-	-	-	45	45	-	16.38
	2004	-	-	-	35	35	-	12.83
	2005	-	-	-	10	10	-	3.21
	2006	1	1	1	9	9	0.32	3.19
	2007	1	1	-	6	17	0.33	5.55
	2008	-	-	-	9	9	-	2.94
	2009	1	1	-	15	15	0.49	7.40
	2010	-	-	-	11	11	-	3.62
IRON	2000	9	10	-	34	34	0.28	0.96
	2001	11	12	-	54	55	0.37	1.7
	2002	10	10	-	60	60	0.3	1.78
	2003	13	14	5	37	37	0.39	1.17
	2004	12	13	1	45	47	0.34	1.24
	2005	15	16	2	34	34	0.43	0.96

Statement 4.1(Continued...)

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	No. of persons		No. of Accidents	No. of persons S/Injured	Death	Serious
			Killed	S/Injured				
1	2	3	4	5	6	7	8	9
IRON(Contd.....)	2006	15	21	1	21	21	0.51	0.53
	2007	14	14	4	22	23	0.34	0.65
	2008	11	11	1	19	20	0.25	0.47
	2009	8	8	-	20	20	0.17	0.42
	2010	9	11	-	9	9	0.23	0.19
LIMESTONE	2000	9	9	-	17	17	0.29	0.55
	2001	11	11	-	14	14	0.45	0.58
	2002	10	13	-	8	8	0.52	0.32
	2003	6	8	-	13	13	0.33	0.54
	2004	12	13	1	14	14	0.56	0.65
	2005	7	7	-	9	9	0.27	0.35
	2006	12	15	1	6	6	0.59	0.27
	2007	9	13	2	7	7	0.47	0.32
	2008	9	9	-	3	3	0.32	0.11
	2009	2	2	-	4	4	0.07	0.14
	2010	4	5	-	3	4	0.18	0.14
MANGANESE	2000	5	5	-	7	7	0.31	0.43
	2001	1	1	-	6	6	0.07	0.44
	2002	4	4	-	14	14	0.29	1.02
	2003	1	1	-	11	11	0.08	0.83
	2004	3	3	-	9	9	0.21	0.62
	2005	-	-	-	5	5	-	0.34
	2006	2	2	3	7	8	0.15	0.84
	2007	1	1	-	5	5	0.07	0.37
	2008	3	4	-	2	2	0.30	0.15
	2009	-	-	-	2	2	-	0.15
	2010	2	2	-	-	-	0.14	-
TOTAL : METALLIFERROUS	2000	50	54	2	160	164	0.34	1.06
	2001	62	72	7	178	179	0.53	1.36
	2002	50	62	3	174	175	0.45	1.3
	2003	51	61	16	147	147	0.45	1.19
	2004	55	62	8	150	155	0.43	1.14
	2005	47	51	4	93	94	0.36	0.7
	2006	54	67	9	63	64	0.47	0.51
	2007	53	61	13	63	76	0.42	0.69
	2008	49	67	33	63	65	0.43	0.63
	2009	33	41	3	76	83	0.26	0.54
	2010	50	87	4	45	47	0.53	0.31

Statement 4.1(Continued...)

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	No. of persons		No. of Accidents	No. of persons S/Injured	Death	Serious
			Killed	S/Injured				
1	2	3	4	5	6	7	8	9
OIL	2000	1	1	-	27	28	0.04	1.19
	2001	9	9	1	21	21	0.37	0.9
	2002	2	2	-	31	31	0.09	1.39
	2003	1	1	-	21	22	0.05	1.13
	2004	2	2	1	38	39	0.10	2.09
	2005	1	1	0	15	15	0.05	0.78
	2006	4	4	0	15	15	0.29	1.08
	2007	3	3	0	16	16	0.16	0.83
	2008	5	6	2	20	20	0.25	0.93
	2009	3	3	0	18	18	0.12	0.72
	2010	4	4	1	16	16	0.14	0.58
TOTAL : NON-COAL	2000	51	55	2	187	192	0.30	1.08
	2001	71	81	8	199	200	0.50	1.29
	2002	52	64	3	205	206	0.40	1.31
	2003	52	62	16	168	169	0.40	1.18
	2004	57	64	9	188	194	0.41	1.25
	2005	48	52	4	108	109	0.32	0.71
	2006	58	71	9	78	79	0.45	0.56
	2007	56	64	13	79	92	0.37	0.61
	2008	54	73	35	83	85	0.41	0.67
	2009	36	44	3	94	101	0.24	0.56
	2010	54	91	5	61	63	0.47	0.35

Note: Fatal as well as serious accidents are considered in computation of rates for serious injury in this statement as well as in subsequent statements wherever rates for serious injury are presented.

STATEMENT NO. 4.2

Trend in accident rates and placewise death and serious injury rates

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
COPPER	2000	0.15	1.02	0.24	-	-	0.15	0.24	7.65	1.25	1.02
	2001	0.2	2	0.38	-	-	0.25	1.15	7.63	4.45	2.5
	2002	0.3	1.5	0.46	-	-	0.3	0.92	11.9	1.09	1.79
	2003	-	1.58	-	-	-	-	-	8.4	1.77	1.58
	2004	-	0.49	-	-	-	-	-	-	1.5	0.49
	2005	-	2.07	-	-	-	-	-	12.9	-	2.07
	2006	-	-	-	-	-	-	-	-	-	-
	2007	-	0.41	-	-	-	-	0.62	-	-	0.41
	2008	0.38	1.15	-	-	1.36	0.38	0.61	-	5.42	1.91
	2009	0.33	1.63	0.53	-	-	0.33	2.11	15.69	-	2.61
	2010	-	1.03	-	-	-	-	1.77	-	-	1.03
GALENA	2000	-	6.46	-	-	-	-	9.17	-	4.16	6.65
	2001	-	8.44	-	-	-	-	11.55	3.24	6.41	8.44
	2002	0.22	5.12	0.5	-	-	0.22	4.46	7.07	5.46	5.12
	2003	-	6.23	-	-	-	-	8.16	1.66	6.34	6.24
	2004	0.79	7.94	1.79	-	0.49	0.79	18.85	3.26	3.42	7.94
	2005	0.31	7.43	-	-	0.68	0.31	13.46	-	6.75	7.43
	2006	0.31	3.66	0.85	-	-	0.31	5.92	8.77	1.14	3.66
	2007	0.30	4.25	0.87	-	-	0.30	6.10	-	3.95	4.24
	2008	0.61	6.42	0.83	-	1.86	1.22	6.66	-	9.32	7.03
	2009	-	7.14	-	-	-	-	14.14	2.07	5.60	8.33
	2010	0.29	2.01	-	-	0.59	0.29	1.54	4.13	1.76	2.01
GOLD	2000	-	7.31	-	-	-	-	9.92	-	3.79	7.31
	2001	0.28	8.84	0.54	-	-	0.28	13.57	-	4.16	8.84
	2002	-	11.97	-	-	-	-	15.63	-	8.52	11.97
	2003	-	16.38	-	-	-	-	26.67	-	7.79	16.38
	2004	-	12.83	-	-	-	-	16.73	-	9.57	12.83
	2005	-	3.21	-	-	-	-	5.83	-	0.64	3.21
	2006	0.32	2.87	0.63	-	-	0.32	4.39	-	1.3	3.19
	2007	0.33	1.96	0.66	-	-	0.33	9.91	-	1.29	5.55
	2008	-	2.94	-	-	-	-	3.43	-	2.49	2.94
	2009	0.49	7.40	-	-	0.65	0.49	22.04	-	2.62	7.40
	2010	-	3.62	-	-	-	-	3.91	-	3.33	3.62

Statement 4.2(Coninued...)

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
IRON	2000	0.26	0.96	-	0.34	0.21	0.28	-	0.92	1.03	0.96
	2001	0.34	1.67	-	0.38	0.36	0.37	-	1.51	1.96	1.7
	2002	0.3	1.78	-	0.24	0.38	0.3	-	1.17	2.73	1.78
	2003	0.32	0.92	-	0.25	0.57	0.39	-	0.84	1.59	1.17
	2004	0.31	1.17	-	0.22	0.5	0.34	-	1.02	1.55	1.24
	2005	0.4	0.91	-	0.36	0.53	0.43	-	0.54	1.58	0.96
	2006	0.36	0.51	-	0.68	0.28	0.51	-	0.42	0.67	0.53
	2007	0.34	0.53	-	0.29	0.35	0.30	-	0.25	1.04	0.46
	2008	0.25	0.42	-	0.27	0.21	0.25	-	0.39	0.58	0.47
	2009	0.17	0.42	-	0.22	0.10	0.17	-	0.25	0.67	0.42
	2010	0.19	0.19	-	0.34	0.10	0.23	-	0.15	0.24	0.19
LIMESTONE	2000	0.29	0.55	-	0.22	0.47	0.29	-	0.35	1.07	0.55
	2001	0.45	0.58	-	0.44	0.5	0.45	-	0.33	1.34	0.58
	2002	0.4	0.32	-	0.58	0.32	0.52	-	0.21	0.64	0.32
	2003	0.13	0.29	-	0.43	-	0.33	-	0.27	1.38	0.54
	2004	0.52	0.56	-	0.63	0.34	0.57	-	0.37	1.55	0.65
	2005	0.27	0.35	-	0.3	0.17	0.27	-	0.25	0.69	0.35
	2006	0.47	0.23	-	0.65	0.35	0.59	-	0.1	0.88	0.27
	2007	0.32	0.25	-	0.51	0.32	0.47	-	0.23	0.65	0.32
	2008	0.32	0.11	-	0.32	0.31	0.32	-	0.09	0.16	0.11
	2009	0.07	0.14	-	0.09	-	0.07	-	0.14	0.15	0.14
	2010	0.14	0.11	-	0.23	-	0.18	-	0.14	0.16	0.14
MANGANESE	2000	0.31	0.43	0.76	0.33	-	0.31	2.29	-	0.23	0.43
	2001	0.07	0.44	0.4	-	-	0.07	0.8	-	1	0.44
	2002	0.29	1.02	0.39	0.13	0.54	0.29	1.96	0.27	1.88	1.02
	2003	0.05	0.61	0.41	-	-	0.08	1.63	0.14	1.75	0.83
	2004	0.21	0.62	0.33	0.13	0.26	0.21	1.99	-	0.77	0.62
	2005	-	0.34	-	-	-	-	0.71	0.13	0.5	0.34
	2006	0.15	0.53	-	0.29	-	0.15	2.75	0.44	0.27	0.84
	2007	0.07	0.37	-	-	0.25	0.07	1.51	-	0.25	0.37
	2008	0.22	0.15	0.77	0.14	0.26	0.30	-	-	0.52	0.15
	2009	-	0.15	-	-	-	-	0.44	-	0.27	0.15
	2010	0.14	-	0.92	-	-	0.14	-	-	-	-

Statement 4.2(Continued...)

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
TOTAL :	2000	0.49	0.04	0.49	0.37	0.25	0.34	4.65	0.46	1.12	1.06
METALLIFEROUS	2001	0.46	0.36	0.46	0.63	0.36	0.53	5.57	0.53	1.82	1.36
	2002	0.49	0.29	0.49	0.54	0.28	0.45	5.06	0.53	1.89	1.3
	2003	0.52	0.07	0.52	0.45	0.42	0.45	7.36	0.43	1.56	1.19
	2004	0.62	0.15	0.62	0.47	0.32	0.43	6.7	0.52	1.36	1.14
	2005	0.38	0.68	0.38	0.43	0.23	0.36	3.41	0.3	0.99	0.7
	2006	0.38	0.44	0.38	0.62	0.19	0.47	3.2	0.25	0.55	0.51
	2007	0.35	0.42	0.35	0.48	0.31	0.42	3.51	0.29	0.97	0.69
	2008	0.31	0.40	0.44	0.43	0.42	0.43	1.65	0.24	1.21	0.63
	2009	0.21	0.47	0.61	0.32	0.08	0.26	4.00	0.24	0.91	0.54
	2010	0.31	0.28	0.44	0.71	0.21	0.53	1.44	0.21	0.32	0.31
OIL	2000	0.04	1.15	-	-	0.04	0.04	-	-	1.19	1.19
	2001	0.37	0.86	-	-	0.37	0.37	-	-	0.9	0.9
	2002	0.09	1.39	-	-	0.09	0.09	-	-	1.39	1.39
	2003	0.05	1.12	-	-	0.05	0.05	-	-	1.13	1.13
	2004	0.1	1.98	-	-	0.1	0.1	-	-	2.09	2.09
	2005	0.05	0.78	-	-	0.05	0.05	-	-	0.78	0.78
	2006	0.29	1.08	-	-	0.29	0.29	-	-	1.08	1.08
	2007	0.16	0.83	-	-	0.16	0.16	-	-	0.83	0.83
	2008	0.21	0.85	-	-	0.25	0.25	-	-	0.93	0.93
	2009	0.12	0.72	-	-	0.12	0.12	-	-	0.72	0.72
	2010	0.14	0.55	-	-	0.14	0.14	-	-	0.58	0.58
TOTAL :	2000	0.28	1.04	0.49	0.37	0.19	0.3	4.65	0.46	1.14	1.08
NON-COAL	2001	0.48	1.36	0.52	0.72	0.38	0.55	6.28	0.61	1.57	1.42
	2002	0.33	1.29	0.49	0.54	0.21	0.4	5.06	0.53	1.72	1.31
	2003	0.33	1.07	0.39	0.46	0.31	0.4	7.36	0.43	1.43	1.18
	2004	0.36	1.15	0.62	0.48	0.27	0.41	6.7	0.52	1.59	1.25
	2005	0.29	0.68	0.38	0.43	0.17	0.32	3.41	0.3	0.93	0.71
	2006	0.37	0.50	0.38	0.62	0.21	0.45	3.2	0.25	0.67	0.56
	2007	0.33	0.46	0.35	0.48	0.22	0.37	3.51	0.29	0.70	0.61
	2008	0.30	0.46	0.44	0.43	0.37	0.41	1.65	0.24	1.12	0.67
	2009	0.19	0.51	0.60	0.32	0.09	0.24	4.34	0.19	0.64	0.56
	2010	0.28	0.32	0.44	0.71	0.18	0.47	1.44	0.21	0.41	0.35

STATEMENT NO. 4.3

Causewise trend in fatal accidents in non-coal mines

Cause / Year	2005	2006	2007	2008	2009	2010
1. GROUND MOVEMENT						
Fall of Roof	1 (1)	--	1 (1)	2 (3)	4 (5)	--
Fall of Side	5 (6)	9 (17)	8 (15)	11 (17)	10 (15)	14 (48)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	--	--	--	--	--
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	12 (13)	17 (18)	19 (19)	13 (13)	8 (8)	9 (10)
Other Transp. Machinery	1 (1)	2 (2)	6 (6)	2 (2)	1 (1)	3 (3)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	9 (10)	5 (5)	7 (7)	4 (6)	3 (3)	5 (5)
5. EXPLOSIVES	4 (5)	3 (3)	2 (2)	2 (10)	1 (3)	3 (3)
6. ELECTRICITY	--	--	--	2 (3)	--	1 (1)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	--	--	--	2 (3)	1 (1)	--
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	13 (13)	15 (15)	8 (9)	10 (10)	3 (3)	6 (8)
Fall of Objects	2 (2)	7 (11)	3 (3)	1 (1)	5 (5)	8 (8)
Other Falls	--	--	--	--	--	1 (1)
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	1 (1)	--	--	--	--	1 (1)
Miscellaneous	--	--	2 (2)	5 (5)	--	3 (3)
T O T A L	48 (52)	58 (71)	56 (64)	54 (73)	36 (44)	54 (91)
BELOW GROUND :	3 (3)	3 (3)	3 (3)	3 (4)	4 (5)	4 (4)
OPENCAST :	34 (38)	42 (55)	38 (46)	35 (42)	25 (32)	35 (72)
ABOVE GROUND :	11 (11)	13 (13)	15 (15)	16 (27)	7 (7)	15 (15)

NOTE : Figures within parentheses denote the number of persons killed.

STATEMENT NO. 4.4

Causewise trend in serious accidents in non-coal mines

Cause / Year	2005	2006	2007	2008	2009	2010
1. GROUND MOVEMENT						
Fall of Roof	2 (2)	--	1 (1)	1 (1)	1 (1)	1 (1)
Fall of Side	0 (1)	2 (5)	3 (5)	0 (7)	0 (3)	0 (3)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	1 (2)	2 (13)	2 (3)	3 (6)	2 (2)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	1 (1)	--	2 (2)	1 (1)	--	--
Wheeled Trackless Transp.	10 (12)	6 (10)	3 (10)	5 (8)	6 (9)	2 (2)
Other Transp. Machinery	3 (3)	6 (6)	5 (5)	3 (3)	5 (5)	3 (3)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	15 (15)	9 (9)	17 (21)	10 (12)	13 (14)	10 (10)
5. EXPLOSIVES	1 (2)	--	1 (2)	1 (21)	1 (1)	1 (3)
6. ELECTRICITY	--	1 (1)	1 (1)	1 (3)	3 (3)	2 (2)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	3 (4)	--	1 (1)	1 (1)	--	2 (2)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	22 (22)	20 (21)	14 (15)	17 (17)	13 (13)	13 (13)
Fall of Objects	20 (20)	17 (18)	9 (9)	20 (20)	26 (26)	16 (18)
Other Falls	2 (2)	1 (1)	--	2 (2)	--	2 (2)
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	1 (1)	--	--	--	1 (1)
Miscellaneous	29 (29)	14 (14)	20 (20)	19 (21)	23 (23)	6 (6)
T O T A L	108 (113)	78 (88)	79 (105)	83 (120)	94 (104)	61 (68)
BELOW GROUND :	27 (27)	24 (26)	19 (30)	14 (15)	33 (36)	12 (13)
OPENCAST :	22 (27)	13 (21)	14 (28)	13 (23)	13 (19)	16 (21)
ABOVE GROUND :	59 (59)	41 (41)	46 (47)	56 (82)	48 (49)	33 (34)

NOTE : Figures within parentheses denote the number of persons seriously injured. This also includes serious injury out of fatal accidents.

STATEMENT 4.5

Causewise trend in dangerous occurrences in non-coal mines

Sl.	Classification	2004	2005	2006	2007	2008	2009	2010
1.	Overwinding of cages, Skip of bucket	-	-	-	-	-	1	-
2.	Outbreak of fire-underground	-	-	-	-	-	-	-
3.	Outbreak of fire on surface	2	7	-	-	-	1	2
4.	Premature collapse of workings or failure of pillars	-	-	-	-	-	-	-
5.	Breakage of winding rope	-	-	-	-	-	-	-
6.	Breakdown of winding engine, crank shaft, bearing, etc.	-	-	-	-	1	-	-
7.	Ignition or occurrence of inflammable gas	1	-	2	-	-	-	-
8.	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons were endangered	1	2	3	2	1	-	-
9.	Rock burst	-	-	-	-	-	-	-
10.	Irruption of water	-	1	1	1	-	-	-
11.	Bursting of high-pressure equipment	-	-	-	-	-	-	-
12.	Oil well blow out without fire	-	-	1	3	1	2	-
13.	Others	11	7	1	2	1	4	2
TOTAL		15	17	8	8	4	8	4

STATEMENT NO. 4.6a

Accidents and placewise casualties in non-coal mines by state-district wise in 2010

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
1. OIL																	
	ASSAM																
	Barapeta	1	0	0	0	0	1	0	1	0	0	0	0	0	0		
	Dibrugarh	0	5	0	0	0	0	0	0	0	0	0	5	0	5		
	Sibsagar	1	4	0	0	0	1	0	1	0	0	0	4	0	4		
	Tinsukia	0	4	0	0	0	0	0	0	0	0	0	4	0	4		
	TOTAL : ASSAM	2	13	0	0	0	2	0	2	0	0	0	13	0	13		
	GUJARAT																
	Bharuch	1	1	0	0	0	1	0	1	0	0	0	2	0	2		
	Kheda	1	0	0	0	0	1	0	1	0	0	0	0	0	0		
	TOTAL : GUJARAT	2	1	0	0	0	2	0	2	0	0	0	2	0	2		
	RAJASTHAN																
	Barmer	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	Jaisalmer	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	TOTAL : RAJASTHAN	0	2	0	0	0	0	0	0	0	0	0	2	0	2		
ALL INDIA : OIL		4	16	0	0	0	4	0	4	0	0	0	17	0	17		
2. APATITE & ROCK PHOSPHATE																	
	RAJASTHAN																
	Udaipur	1	1	0	0	0	1	0	1	0	1	0	0	0	1		
	TOTAL : RAJASTHAN	1	1	0	0	0	1	0	1	0	1	0	0	0	1		
ALL INDIA : APATITE & ROCK PHOSPHATE		1	1	0	0	0	1	0	1	0	1	0	0	0	1		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
3.	CHINA CLAY, CLAY, WHITE-CLAY																
	ANDHRA PRADESH																
	West Godavari	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
	TOTAL : ANDHRA PRADESH	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
ALL INDIA :	CHINA CLAY, CLAY, WHITE-CLAY	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
4.	CHROMITE																
	ORISSA																
	Jajpur	2	0	0	1	0	1	0	2	0	0	0	0	0	0		
	TOTAL : ORISSA	2	0	0	1	0	1	0	2	0	0	0	0	0	0		
ALL INDIA :	CHROMITE	2	0	0	1	0	1	0	2	0	0	0	0	0	0		
5.	COPPER																
	JHARKHAND																
	West Singbhum	0	2	0	0	0	0	0	0	2	0	0	0	0	2		
	TOTAL : JHARKHAND	0	2	0	0	0	0	0	0	2	0	0	0	0	2		
	RAJASTHAN																
	Jhunjhunu	0	1	0	0	0	0	0	0	1	0	0	0	0	1		
	TOTAL : RAJASTHAN	0	1	0	0	0	0	0	0	1	0	0	0	0	1		
ALL INDIA :	COPPER	0	3	0	0	0	0	0	0	3	0	0	0	0	3		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
6. DIAMOND																	
	MADHYA PRADESH																
	Panna	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
	TOTAL : MADHYA PRADESH	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
ALL INDIA : DIAMOND																	
		0	1	0	0	0	0	0	0	0	1	0	0	0	1		
7. DOLOMITE																	
	ANDHRA PRADESH																
	Khammam	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
	TOTAL : ANDHRA PRADESH	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
	CHHATTISGARH																
	Bilaspur	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
	TOTAL : CHHATTISGARH	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
ALL INDIA : DOLOMITE																	
		1	1	0	1	0	0	0	1	0	1	0	0	0	1		
8. FELSPAR																	
	RAJASTHAN																
	Bhilwara	1	0	0	4	0	0	0	4	0	0	0	0	0	0		
	TOTAL : RAJASTHAN	1	0	0	4	0	0	0	4	0	0	0	0	0	0		
ALL INDIA : FELSPAR																	
		1	0	0	4	0	0	0	4	0	0	0	0	0	0		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
9.	GALENA & SPHALARITE																
	RAJASTHAN																
	Bhilwara	1	3	0	0	0	1	0	1	0	2	0	1	0	3		
	Rajsamand	0	4	0	0	0	0	0	0	2	0	0	2	0	4		
	TOTAL : RAJASTHAN	1	7	0	0	0	1	0	1	2	2	0	3	0	7		
ALL INDIA : GALENA & SPHALARITE		1	7	0	0	0	1	0	1	2	2	0	3	0	7		
10.	GARNET																
	RAJASTHAN																
	Tonk	1	0	0	5	0	0	0	5	0	0	0	0	0	0		
	TOTAL : RAJASTHAN	1	0	0	5	0	0	0	5	0	0	0	0	0	0		
ALL INDIA : GARNET		1	0	0	5	0	0	0	5	0	0	0	0	0	0		
11.	GOLD																
	KARNATAKA																
	Raichur	0	11	0	0	0	0	0	0	6	0	0	5	0	11		
	TOTAL : KARNATAKA	0	11	0	0	0	0	0	0	6	0	0	5	0	11		
ALL INDIA : GOLD		0	11	0	0	0	0	0	0	6	0	0	5	0	11		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12. GRANITE															
	ANDHRA PRADESH														
	Prakasham	6	3	0	18	0	1	0	19	0	4	0	0	0	4
	Warangal	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : ANDHRA PRADESH	7	3	0	19	0	1	0	20	0	4	0	0	0	4
	KARNATAKA														
	Bagalkot	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : KARNATAKA	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TAMIL NADU														
	V. R. P.	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	TOTAL : TAMIL NADU	0	1	0	0	0	0	0	0	0	1	0	0	0	1
ALL INDIA : GRANITE		8	4	0	20	0	1	0	21	0	5	0	0	0	5
13. IRON															
	ANDHRA PRADESH														
	Anantpur	1	0	0	2	0	0	0	2	0	0	0	0	0	0
	TOTAL : ANDHRA PRADESH	1	0	0	2	0	0	0	2	0	0	0	0	0	0
	CHHATTISGARH														
	Durg	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	Dantewara	0	3	0	0	0	0	0	0	0	1	0	2	0	3
	TOTAL : CHHATTISGARH	0	4	0	0	0	0	0	0	0	1	0	3	0	4
	GOA														
	North Goa	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : GOA	1	0	0	1	0	0	0	1	0	0	0	0	0	0

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
	JHARKHAND																
	West Singbhum	2	2	0	1	0	1	0	2	0	2	0	0	0	2		
TOTAL :	JHARKHAND	2	2	0	1	0	1	0	2	0	2	0	0	0	2		
	KARNATAKA																
	Bellary	3	2	0	4	0	0	0	4	0	0	0	2	0	2		
TOTAL :	KARNATAKA	3	2	0	4	0	0	0	4	0	0	0	2	0	2		
	ORISSA																
	Keonjhar	2	1	0	1	0	1	0	2	0	1	0	0	0	1		
TOTAL :	ORISSA	2	1	0	1	0	1	0	2	0	1	0	0	0	1		
ALL INDIA : IRON		9	9	0	9	0	2	0	11	0	4	0	5	0	9		
14. LIMESTONE																	
	ANDHRA PRADESH																
	Kurnool	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
TOTAL :	ANDHRA PRADESH	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
	BIHAR																
	Rohtas	0	1	0	0	0	0	0	0	0	2	0	0	0	2		
TOTAL :	BIHAR	0	1	0	0	0	0	0	0	0	2	0	0	0	2		
	CHHATTISGARH																
	Durg	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
TOTAL :	CHHATTISGARH	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	MADHYA PRADESH																
	Katni	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
TOTAL :	MADHYA PRADESH	1	0	0	1	0	0	0	1	0	0	0	0	0	0		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	RAJASTHAN														
	Kota	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : RAJASTHAN	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TAMIL NADU														
	Salem	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Namakkal	1	0	0	2	0	0	0	2	0	0	0	0	0	0
	TOTAL : TAMIL NADU	2	0	0	3	0	0	0	3	0	0	0	0	0	0
ALL INDIA : LIMESTONE		4	3	0	5	0	0	0	5	0	3	0	1	0	4
15. MANGANESE															
	MADHYA PRADESH														
	Balaghat	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	TOTAL : MADHYA PRADESH	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	MAHARASHTRA														
	Nagpur	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	TOTAL : MAHARASHTRA	1	0	1	0	0	0	0	1	0	0	0	0	0	0
ALL INDIA : MANGANESE		2	0	2	0	0	0	0	2	0	0	0	0	0	0
16. MARBLE															
	RAJASTHAN														
	Banswara	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Nagaur	5	0	0	8	0	1	0	9	0	0	0	0	0	0
	Udaipur	2	0	0	3	0	0	0	3	0	1	0	0	0	1
	Rajsamand	2	0	0	4	0	0	0	4	0	0	0	0	0	0
	TOTAL : RAJASTHAN	10	0	0	16	0	1	0	17	0	1	0	0	0	1
ALL INDIA : MARBLE		10	0	0	16	0	1	0	17	0	1	0	0	0	1

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total		
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
17. SANDSTONE																	
	ANDHRA PRADESH																
	Srikakulam	2	0	0	0	0	2	0	2	0	0	0	0	0	0		
	TOTAL : ANDHRA PRADESH	2	0	0	0	0	2	0	2	0	0	0	0	0	0		
ALL INDIA : SANDSTONE																	
		2	0	0	0	0	2	0	2	0	0	0	0	0	0		
18. SILLIMANITE																	
	KERALA																
	Kollam	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	TOTAL : KERALA	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	ORISSA																
	Ganjam	1	1	0	0	0	1	0	1	0	0	0	1	0	1		
	TOTAL : ORISSA	1	1	0	0	0	1	0	1	0	0	0	1	0	1		
ALL INDIA : SILLIMANITE																	
		1	2	0	0	0	1	0	1	0	0	0	2	0	2		
19. STEATITE																	
	RAJASTHAN																
	Pratapgarh	1	0	0	8	0	0	0	8	0	0	0	0	0	0		
	TOTAL : RAJASTHAN	1	0	0	8	0	0	0	8	0	0	0	0	0	0		
ALL INDIA : STEATITE																	
		1	0	0	8	0	0	0	8	0	0	0	0	0	0		

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious		Male	Male	Female	Male			Female	Male	Male	Female		Male	Female
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
20. STONE															
	ANDHRA PRADESH														
	Nellore	1	0	0	1	0	0	0	1	0	1	0	0	0	1
	TOTAL : ANDHRA PRADESH	1	0	0	1	0	0	0	1	0	1	0	0	0	1
	RAJASTHAN														
	Jaipur	1	0	0	0	0	1	0	1	0	0	0	0	0	0
	TOTAL : RAJASTHAN	1	0	0	0	0	1	0	1	0	0	0	0	0	0
	TAMIL NADU														
	Kancheepuram	1	0	0	1	0	0	0	1	0	1	0	0	0	1
	TOTAL : TAMIL NADU	1	0	0	1	0	0	0	1	0	1	0	0	0	1
ALL INDIA : STONE		3	0	0	2	0	1	0	3	0	2	0	0	0	2
21. ATOMIC MINERAL															
	ANDHRA PRADESH														
	Cuddapah	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	TOTAL : ANDHRA PRADESH	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	JHARKHAND														
	West Singbhum	1	3	1	0	0	0	0	1	2	1	0	1	0	4
	TOTAL : JHARKHAND	1	3	1	0	0	0	0	1	2	1	0	1	0	4
ALL INDIA : ATOMIC MINERAL		2	3	2	0	0	0	0	2	2	1	0	1	0	4
ALL INDIA : ALL NON-COAL MINERALS		54	61	4	72	0	15	0	91	13	21	0	34	0	68

NOTE : Number of persons seriously injured also includes serious injury out of fatal accidents.

STATEMENT NO. 4.6b

Placewise casualty rates by state-district wise in 2010

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
1.	OIL								
	ASSAM								
	Barapeta	.....		Employment figures not available				.....	
	Dibrugarh	...	...	...	...	...	...	0.92	0.92
	Sibsagar	...	...	0.25	0.25	...	...	1.00	1.00
	Tinsukia	.....		Employment figures not available				.....	
	TOTAL : ASSAM	...	...	0.21	0.21	...	...	1.33	1.33
	GUJARAT								
	Bharuch	...	...	0.17	0.17	...	...	0.33	0.33
	Kheda	...	...	9.62	9.62	...	...	...	...
	TOTAL : GUJARAT	...	...	0.13	0.13	...	...	0.13	0.13
	RAJASTHAN								
	Barmer	...	...	...	...	...	...	1.65	1.65
	Jaisalmer	...	...	...	...	...	...	3.38	3.38
	TOTAL : RAJASTHAN	...	...	...	...	...	...	2.21	2.21
	ALL INDIA : OIL	...	...	0.14	0.14	...	...	0.58	0.58
2.	APATITE & ROCK PHOSPHATE								
	RAJASTHAN								
	Udaipur	...	...	2.16	0.76	...	1.18	...	0.76
	TOTAL : RAJASTHAN	...	...	2.16	0.76	...	1.18	...	0.76
	ALL INDIA : APATITE & ROCK PHOSPHATE	...	...	1.36	0.50	...	0.84	...	0.50
3.	CHINA CLAY, CLAY, WHITE-CLAY								
	ANDHRA PRADESH								
	West Godavari	...	31.25	...	29.41	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	7.46	...	6.94	...	...	...	...
	ALL INDIA : CHINA CLAY, CLAY, WHITE-CLAY	...	0.68	...	0.36	...	...	...	...
4.	CHROMITE								
	ORISSA								
	Jajpur	...	0.28	0.43	0.33	...	...	...	...
	TOTAL : ORISSA	...	0.27	0.29	0.24	...	...	...	...
	ALL INDIA : CHROMITE	...	0.27	0.28	0.23	...	...	...	...

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
5.	COPPER								
	JHARKHAND								
	West Singbhum	...	...	...	...	1.87	...	...	1.33
	TOTAL : JHARKHAND	...	...	...	...	1.87	...	...	1.33
	RAJASTHAN								
	Jhunjhunu	...	...	...	...	1.61	...	...	0.99
	TOTAL : RAJASTHAN	...	...	...	...	1.61	...	...	0.99
ALL INDIA :	COPPER	...	...	...	...	1.77	...	...	1.03
6.	DIAMOND								
	MADHYA PRADESH								
	Panna	...	...	...	...	...	28.57	...	8.26
	TOTAL : MADHYA PRADESH	...	...	...	...	...	28.57	...	8.26
ALL INDIA :	DIAMOND	...	...	...	...	...	28.57	...	8.26
7.	DOLOMITE								
	ANDHRA PRADESH								
	Khammam	...	...	...	...	...	21.74	...	6.58
	TOTAL : ANDHRA PRADESH	...	...	...	...	...	3.41	...	2.40
	CHHATTISGARH								
	Bilaspur	...	1.43	...	0.74	...	...	...	...
	TOTAL : CHHATTISGARH	...	1.43	...	0.74	...	...	...	...
ALL INDIA :	DOLOMITE	...	0.51	...	0.34	...	0.51	...	0.34
8.	FELSPAR								
	RAJASTHAN								
	Bhilwara	.....	Employment figures not available				.....		
	TOTAL : RAJASTHAN	.....	Employment figures not available				.....		
ALL INDIA :	FELSPAR	...	24.10	...	21.39	...	...	...	...
9.	GALENA & SPHALARITE								
	RAJASTHAN								
	Bhilwara	...	...	1.31	0.80	...	4.13	1.31	2.41
	Rajsamand	...	...	...	...	2.87	...	6.33	3.95
	TOTAL : RAJASTHAN	...	...	0.60	0.29	1.55	4.13	1.79	2.03
ALL INDIA :	GALENA & SPHALARITE	...	...	0.59	0.29	1.54	4.13	1.76	2.01

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
10.	GARNET								
	RAJASTHAN								
	Tonk	.....		Employment figures not available				.....	
	TOTAL : RAJASTHAN	.....		Employment figures not available				.....	
ALL INDIA :	GARNET	...	4.39	...	4.17	...	...	...	...
11.	GOLD								
	KARNATAKA								
	Raichur	...	...	...	...	4.02	...	3.40	3.71
	TOTAL : KARNATAKA	...	...	...	...	4.02	...	3.40	3.71
ALL INDIA :	GOLD	...	...	...	...	3.91	...	3.33	3.62
12.	GRANITE								
	ANDHRA PRADESH								
	Prakasham	...	6.78	0.82	4.91	...	1.51	...	1.03
	Warangal	...	7.87	...	7.35	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	6.03	0.79	4.53	...	1.27	...	0.91
	KARNATAKA								
	Bagalkot	...	7.69	...	5.59	...	...	...	...
	TOTAL : KARNATAKA	...	0.88	...	0.72	...	...	...	...
	TAMIL NADU								
	V. R. P.	...	...	...	...	...	5.49	...	4.85
	TOTAL : TAMIL NADU	...	...	...	...	...	0.40	...	0.34
ALL INDIA :	GRANITE	...	2.75	0.50	2.26	...	0.69	...	0.54
13.	IRON								
	ANDHRA PRADESH								
	Anantpur	...	29.85	...	15.27	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	11.83	...	8.58	...	...	...	...
	CHHATTISGARH								
	Durg	...	...	...	...	...	...	0.38	0.25
	Dantewara	...	...	...	...	...	1.28	1.61	1.48
	TOTAL : CHHATTISGARH	...	...	...	...	...	0.40	0.73	0.61
	GOA								
	North Goa	...	0.51	...	0.30	...	...	...	...
	TOTAL : GOA	...	0.24	...	0.16	...	...	...	...

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
	JHARKHAND								
	West Singbhum	...	0.51	0.20	0.28	...	1.03	...	0.28
	TOTAL : JHARKHAND	...	0.51	0.20	0.28	...	1.03	...	0.28
	KARNATAKA								
	Bellary	...	0.87	...	0.65	...	...	1.28	0.32
	TOTAL : KARNATAKA	...	0.71	...	0.54	...	...	1.14	0.27
	ORISSA								
	Keonjhar	...	0.13	0.18	0.15	...	0.13	...	0.07
	TOTAL : ORISSA	...	0.09	0.14	0.11	...	0.09	...	0.05
	ALL INDIA : IRON	...	0.34	0.10	0.23	...	0.15	0.24	0.19
14.	LIMESTONE								
	ANDHRA PRADESH								
	Kurnool	...	...	...	...	...	5.78	...	3.85
	TOTAL : ANDHRA PRADESH	...	...	...	...	...	0.55	...	0.40
	BIHAR								
	Rohtas	...	...	...	...	...	16.67	...	8.97
	TOTAL : BIHAR	...	...	...	...	...	16.67	...	8.97
	CHHATTISGARH								
	Durg	...	...	...	...	...	...	125.00	14.29
	TOTAL : CHHATTISGARH	...	...	...	...	...	...	5.43	0.97
	MADHYA PRADESH								
	Katni	...	2.92	...	2.79	...	...	...	...
	TOTAL : MADHYA PRADESH	...	0.41	...	0.28	...	...	...	...
	RAJASTHAN								
	Kota	...	0.19	...	0.18	...	...	...	...
	TOTAL : RAJASTHAN	...	0.12	...	0.11	...	...	...	...
	TAMIL NADU								
	Salem	...	9.17	...	6.06	...	...	...	...
	Namakkal	.....	Employment figures not available				.....	.....	.....
	TOTAL : TAMIL NADU	...	2.14	...	1.81	...	...	...	...
	ALL INDIA : LIMESTONE	...	0.23	...	0.18	...	0.14	0.16	0.14

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
15.	MANGANESE								
	MADHYA PRADESH								
	Balaghat	0.79	...	...	0.36	...	...	...	...
	TOTAL : MADHYA PRADESH	0.79	...	...	0.34	...	...	...	...
	MAHARASHTRA								
	Nagpur	1.89	...	...	0.75	...	...	...	...
	TOTAL : MAHARASHTRA	1.09	...	...	0.34	...	...	...	...
ALL INDIA :	MANGANESE	0.92	...	...	0.14	...	...	...	...
16.	MARBLE								
	RAJASTHAN								
	Banswara	...	83.33	...	45.45	...	...	...	...
	Nagaur	.....		Employment figures not available				.....	.....
	Udaipur	.....		Employment figures not available				.....	.....
	Rajsamand	...	4.15	...	3.46	...	...	...	...
	TOTAL : RAJASTHAN	...	13.55	3.53	11.61	...	0.85	...	0.68
ALL INDIA :	MARBLE	...	10.55	2.77	9.05	...	0.66	...	0.53
17.	SANDSTONE								
	ANDHRA PRADESH								
	Srikakulam	...	...	5.71	4.42	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	...	5.71	4.42	...	...	...	...
ALL INDIA :	SANDSTONE	...	...	5.17	2.74	...	...	...	...
18.	SILLIMANITE								
	KERALA								
	Kollam	...	...	...	...	...	...	1.71	1.23
	TOTAL : KERALA	...	...	...	...	...	...	1.71	1.23
	ORISSA								
	Ganjam	...	...	1.41	1.21	...	...	1.41	1.21
	TOTAL : ORISSA	...	...	1.41	1.21	...	...	1.41	1.21
ALL INDIA :	SILLIMANITE	...	...	0.57	0.28	...	...	1.14	0.55
19.	STEATITE								
	RAJASTHAN								
	Pratapgarh	...	89.89	...	85.11	...	...	...	...
	TOTAL : RAJASTHAN	...	3.91	...	2.79	...	...	...	...
ALL INDIA :	STEATITE	...	2.09	...	1.57	...	...	...	...

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
20.	STONE								
	ANDHRA PRADESH								
	Nellore	...	20.83	...	20.00	...	20.83	...	20.00
	TOTAL : ANDHRA PRADESH	...	13.51	...	12.82	...	13.51	...	12.82
	RAJASTHAN								
	Jaipur	...	...	13.33	7.41	...	...	...	...
	TOTAL : RAJASTHAN	...	...	10.00	4.65	...	...	...	...
	TAMIL NADU								
	Kancheepuram	...	9.80	...	8.62	...	9.80	...	8.62
	TOTAL : TAMIL NADU	...	2.59	...	2.11	...	2.59	...	2.11
	ALL INDIA : STONE	...	0.40	0.46	0.42	...	0.40	...	0.28
21.	ATOMIC MINERAL								
	ANDHRA PRADESH								
	Cuddapah	.....	Employment figures not available				.....		
	TOTAL : ANDHRA PRADESH	.....	Employment figures not available				.....		
	JHARKHAND								
	West Singbhum	.....	Employment figures not available				.....		
	TOTAL : JHARKHAND	.....	Employment figures not available				.....		
	ALL INDIA : ATOMIC MINERAL	.....	Employment figures not available				.....		
	ALL INDIA : ALL NON-COAL MINERALS	0.44	0.71	0.18	0.47	1.44	0.21	0.41	0.35

STATEMENT NO. 4.7

Number of accidents and casualties/seriously injured persons in non-coal mines by place and detailed cause in 2010

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Roof	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Chromite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Granite	0	0	0	0	0	3	16	1	0	0	0	0	0	0	0	3	16	1	0	0
Iron	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Limestone	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Manganese	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Steatite	0	0	0	0	0	1	8	0	0	0	0	0	0	0	0	1	8	0	0	0
Stone	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
TOTAL : Fall of Sides (Other than Overhangs)	1	1	0	0	0	8	30	2	0	0	0	0	0	0	0	9	31	2	0	0
Felspar	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	1	4	0	0	0
Garnet	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	1	5	0	0	0
Marble	0	0	0	0	0	3	8	1	0	0	0	0	0	0	0	3	8	1	0	0
TOTAL : Fall of Overhangs	0	0	0	0	0	5	17	1	0	0	0	0	0	0	0	5	17	1	0	0
TOTAL : GROUND MOVEMENT	1	1	0	1	1	13	47	3	0	0	0	0	0	0	0	14	48	3	1	1
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Hit by Cages, Skip etc.	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
TOTAL : TRANSPORTATION MACHINERY (WINDING)	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Dolomite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Iron	0	0	0	0	0	0	0	0	0	0	2	2	0	1	1	2	2	0	1	1
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Sandstone	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Conveyors	0	0	0	0	0	0	0	0	2	2	3	3	0	1	1	3	3	0	3	3
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	3	4	0	0	0
Atomic Mineral	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Dumpers	1	1	0	0	0	4	5	0	0	0	0	0	0	0	0	5	6	0	0	0
China Clay, Clay, White-clay	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Chromite	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Dolomite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Granite	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Limestone	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Wheeled Trackless (Truck, Tanker, etc.)	0	0	0	0	0	2	2	0	0	0	2	2	0	2	2	4	4	0	2	2
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	1	1	0	0	0	6	7	0	2	2	5	5	0	3	3	12	13	0	5	5
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Cutting Machines	0	0	0	0	0	2	2	0	0	0	0	0	0	1	1	2	2	0	1	1
Apatite & Rock Phosphate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Crushing & Screening Plants	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1

Statement 4.7 (continued)

CAUSE OF ACCIDENT		BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
		Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident
		ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Iron		0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Sandstone		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Atomic Mineral		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Heavy Earth Moving Machinery		1	1	0	0	0	1	1	0	1	1	1	1	0	0	0	3	3	0	1	1
Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	3	3
Copper		0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite		0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2
Iron		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Other Non-Transportation Machinery		0	0	0	1	1	0	0	0	2	2	0	0	0	4	4	0	0	0	7	7
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY		1	1	0	1	1	3	3	0	4	4	1	1	0	5	5	5	5	0	10	10
Apatite & Rock Phosphate		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Limestone		0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
Stone		0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Deep Hole Blasting Projectiles		0	0	0	0	0	0	0	0	1	2	2	2	0	0	0	2	2	0	1	2
Stone		0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
TOTAL : Misfire/Socket(Other than Drilling into)		0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
TOTAL : EXPLOSIVES		0	0	0	0	0	1	1	1	1	2	2	2	0	0	0	3	3	1	1	2
Gold		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Marble		0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Switch Gears, Gate End Boxes, Pommel, etc.		0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	1
Gold		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Other Electrical Accidents		0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : ELECTRICITY		0	0	0	0	0	1	1	0	0	0	0	0	0	2	2	1	1	0	2	2

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Other Accidents due to Dust/Gas/Fire	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	4	4
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Granite	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Limestone	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Marble	0	0	0	0	0	2	4	0	0	0	1	1	0	0	0	3	5	0	0	0
TOTAL : Fall of Person from Height/into Depth	0	0	0	2	2	5	7	0	2	2	1	1	0	6	6	6	8	0	10	10
Gold	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Granite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Sillimanite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Fall of Persons on the Same Level	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	3	3
Oil	0	0	0	0	0	0	0	0	0	0	2	2	1	3	3	2	2	1	3	3
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Gold	0	0	0	4	4	0	0	0	0	0	0	0	0	1	1	0	0	0	5	5
Granite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Iron	0	0	0	0	0	1	1	0	1	1	0	0	0	1	1	1	1	0	2	2
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Manganese	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Marble	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Sillimanite	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1
Atomic Mineral	0	0	0	1	2	0	0	0	1	1	0	0	0	1	1	0	0	0	3	4
TOTAL : Fall of Objects incl. Rolling Objects	1	1	0	6	7	4	4	0	3	3	3	3	1	7	7	8	8	1	16	17

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident	Fatal		Accident		S/Accident
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1
Granite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Other Accidents due to Falls	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	0	2	2
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	1	1	0	8	9	9	11	0	7	7	5	5	1	16	16	15	17	1	31	32
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Flying Pieces(Except due to Explosives)	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Galena & Sphalarite	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Drowning in Water	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	0	0	0
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	1	1	0	2	2
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Diamond	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Gold	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Unclassified	0	0	0	1	1	0	0	0	1	1	1	1	0	4	4	1	1	0	6	6
TOTAL : OTHER CAUSES	0	0	0	1	1	2	2	0	2	2	2	2	0	4	4	4	4	0	7	7
ALL INDIA : ALL NON-COAL MINERALS	4	4	0	12	13	35	72	4	16	17	15	15	1	33	33	54	91	5	61	63

STATEMENT NO. 4.8

Fatal accidents and casualties in non-coal mines by broad causes in 2010

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Sides	--	--	--	--	1	1	1	1	10	14
Killed-Injr :	--	--	--	--	2- 0	2- 0	1- 0	1- 1	42- 2	48- 3
Dumpers	--	--	--	--	3	--	--	--	2	5
Killed-Injr :	--	--	--	--	4- 0	--	--	--	2- 0	6- 0
Trucks	--	--	--	--	--	--	--	--	4	4
Killed-Injr :	--	--	--	--	--	--	--	--	4- 0	4- 0
Other Machinery	--	--	--	--	3	--	--	--	5	8
Killed-Injr :	--	--	--	--	3- 0	--	--	--	5- 0	8- 0
Explosives	--	--	--	--	--	--	--	2	1	3
Killed-Injr :	--	--	--	--	--	--	--	2- 1	1- 0	3- 1
Fall of Persons	--	--	--	--	--	2	--	--	4	6
Killed-Injr :	--	--	--	--	--	2- 0	--	--	6- 0	8- 0
Fall of Objects	2	--	--	--	1	1	1	--	3	8
Killed-Injr :	2- 1	--	--	--	1- 0	1- 0	1- 0	--	3- 0	8- 1
Other Causes	2	--	1	--	1	--	--	--	2	6
Killed-Injr :	2- 0	--	1- 0	--	1- 0	--	--	--	2- 0	6- 0
Below Ground	--	--	--	--	--	--	2	--	2	4
Killed-Injr :	--	--	--	--	--	--	2- 0	--	2- 0	4- 0
Opencast	--	--	--	--	7	4	--	2	22	35
Killed-Injr :	--	--	--	--	9- 0	5- 0	--	2- 2	56- 2	72- 4
Above Ground	4	--	1	--	2	--	--	1	7	15
Killed-Injr :	4- 1	--	1- 0	--	2- 0	--	--	1- 0	7- 0	15- 1
TOTAL	4	--	1	--	9	4	2	3	31	54
Killed-Injr :	4- 1	--	1- 0	--	11- 0	5- 0	2- 0	3- 2	65- 2	91- 5

□

STATEMENT NO. 4.9

Serious accidents and seriously injured persons in non-coal mines by broad causes in 2010

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	--	--	--	--	--	--	1
Injured :	--	--	1	--	--	--	--	--	--	1
Trucks	--	--	--	--	1	1	--	--	--	2
Injured :	--	--	--	--	1	1	--	--	--	2
Other Machinery	5	1	2	1	3	1	--	--	2	15
Injured :	5	1	2	1	3	1	--	--	2	15
Explosives	--	--	--	--	--	1	--	--	--	1
Injured :	--	--	--	--	--	2	--	--	--	2
Fall of Persons	4	1	2	2	1	--	--	--	3	13
Injured :	4	1	2	2	1	--	--	--	3	13
Fall of Objects	3	--	1	5	2	--	--	--	5	16
Injured :	3	--	1	5	2	--	--	--	6	17
Other Causes	4	1	1	3	2	--	--	--	2	13
Injured :	4	1	1	3	2	--	--	--	2	13
Below Ground	1	3	2	2	--	--	--	--	1	9
Injured :	1	3	2	2	--	--	--	--	2	10
Opencast	8	--	3	4	4	2	--	--	8	29
Injured :	8	--	3	4	4	3	--	--	8	30
Above Ground	7	--	2	5	5	1	--	--	3	23
Injured :	7	--	2	5	5	1	--	--	3	23
TOTAL	16	3	7	11	9	3	--	--	12	61
Injured :	16	3	7	11	9	4	--	--	13	63

□

STATEMENT NO. 4.10

Regionwise/Zonewise accidents in non-coal mines in 2010

Region / Zone	Fatal Accidents			Serious Accidents	
	Accident	Killed	Injured	Accident	Injured
Koderma	--	--	--	1	2
Central Zone	--	--	--	1	2
Guwahati	2	2	--	6	6
Sitarampur II	--	--	--	7	7
Eastern Zone	2	2	--	13	13
Udaipur	9	19	2	6	6
North-Western Zone	9	19	2	6	6
Ajmer	10	21	--	6	6
Northern Zone	10	21	--	6	6
Goa	2	2	--	--	--
Hyderabad I	10	23	1	4	4
Hyderabad II	2	2	1	--	--
South-Central Zone	14	27	2	4	4
Bhubaneswar	3	3	--	1	1
Chaibasa	5	5	--	8	9
South-Eastern Zone	8	8	--	9	10
Bellary	4	6	--	14	14
Chennai	3	4	1	2	2
Southern Zone	7	10	1	16	16
Bilaspur	1	1	--	5	5
Jabalpur	1	1	--	1	1
Nagpur I	2	2	--	--	--
Western Zone	4	4	--	6	6
ALL INDIA	54	91	5	61	63

STATEMENT NO. 4.11

Fatal accidents in non-coal mines by cause and responsibility in 2010

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	1	-	-	-	-	-	-	-	-	1
Management	7	-	5	1	1	-	-	4	-	18
Management & Sub. Sup. Staff(SSS)	3	-	-	2	1	-	-	6	1	13
Management, SSS & Shotfirer	-	-	-	-	1	-	-	-	-	1
Management, SSS & Coworker	-	-	1	-	-	-	-	-	-	1
Management, SSS & Deceased	-	-	-	-	-	-	-	-	1	1
Management & Coworker	1	-	2	2	-	-	-	1	-	6
Management & Deceased	2	-	-	-	-	-	-	1	1	4
Subordinate Supervisory Staff(SSS)	-	-	-	-	-	-	-	-	1	1
Sub. Sup. Staff & Coworker	-	-	-	-	-	-	-	1	-	1
Coworker	-	-	1	-	-	-	-	-	-	1
Coworker & Deceased	-	-	2	-	-	-	-	-	-	2
Deceased	-	-	1	-	-	1	-	2	-	4
Total	14	0	12	5	3	1	0	15	4	54

STATEMENT NO. 4.12

Summary of Findings of Fatal Accidents during the year, 2010

Code : 0100	Ground Movement
Code : 0112	Fall of Sides (Other than Overhangs) (31 Deaths)

1. Date - 24/01/10 Mine - SVK (VYSANKERE) IRON ORE MINE
Time - 11.00 Owner - S. B. MINERALS
Dist. - Bellary, State - Karnataka
Person(s) Killed :
1. Dadapeer, Tipper Driver, Male, 42 Years
2. Rama, Tipper Helper, Male, 19 Years

While an excavator was loading iron ore into a tipper at the bottom of a ore bench of about 13m high, a part of the side of the bench measuring about, 62m length 12m(Wide/thick) X 13.3m height dislodged and fell on the tipper burrying it under the debris of the ore and waste. The driver and helper of the tipper were recovered dead from the cabin of the tipper.

Had a ground control plan been established to control fall of sides and also the sides of the bench was kept maintained in stable condition as required under provisions of Regulation 106(2) (b) read with this Directorate's permission letter No. H-II/1469 dated 16.06.1997 the accident could have been averted.

2. Date - 27/01/10 Mine - BALAKUNDI GRANITE MINE
Time - 11.15 Owner - GEM GRANITES
Dist. - Bagalkot, State - Karnataka
Person(s) Killed :
1. Gaiyappa Kudlur, Excavator Operator, Male, 42 Years

While an operator was extracting a Granite Stone Block measuring about 6m X 6m X 2m thick from the main body of the rock, using bucket teeth an excavator, the Stone Block broke into two parts, dislodged and one of the broken piece measuring about 4.5m X 2.6m X 2m fell on the cabin of the excavator crushing the cabin as well as the operator inflicting fatal injuries to the operator.

Had a careful examination of the stone block been done to check for presence of cracks and also the excavator been positioned at a safe distance thus not negligently omitting to ensure the safety of workpersons in contravention of the provisions of Reg. 181 and 106(2) (b) of the Metalliferous Mines Regulations, 1961 read with this Directorate letter No. B1-23/M/AP/106(2) (b)/5764 dated 20.11.1986, this accident could have been averted.

3. Date - 28/01/10
Time - 11.15

Mine - SOUTH KALIAPANI CHROMITE
Owner - ORISSA MINING CORPN. LTD.
Dist. - Jajpur, State - Orissa
Person(s) Killed :

1. P. Brahmanandan, Contractor Representative, Male, 59 Years

While a representative of an outside agency (coir matting) was taking photographs of a waste dump by standing at about 40m away from its toe, suddenly a portion of the slope of the dump's lowermost bench collapsed over a length of about 56m from a height of about 28.5m and thrown away from the toe, under which he was partly buried and recovered dead after about 4 hours and 15 minutes.

4. Date - 22/02/10
Time - 14.30

Mine - THANGAM MINE (SF NO.-10 (PART))
Owner - K. Thiraviyan
Dist. - Namakkal, State - Tamil Nadu
Person(s) Killed :

1. Vellian. S, Loader, Male, 52 Years
2. Rangan, Loader, Male, 42 Years

While a crew of loaders was engaged in mucking at the bed of an opencast limestone mine, loose stone and clay from side fell on two of them from a height of about 12m to which both of succumbed instantaneously.

Had

i) the mine been worked systematically by forming proper benches starting from top downwards in accordance with the provisions of Regulation 106(1)(a)(ii) of the Metalliferous Mines Regulations, 1961;

ii) no loose stone or debris been allowed to remain within a distance of 3 metres from the edge or side of the excavation as required under Regulation 106(4) of the Metalliferous Mines Regulations, 1961; and

iii) a manager and other competent persons, including officials, been appointed in the mine to secure thorough supervision of all operations in the mine and enforcement of the requirements of the Act, Regulations and Orders made thereunder as required under Section 17(1) of the Mines Act, 1952 read with Regulation 34 of the Metalliferous Mines Regulations, 1961 and Section 18(1) of the Mines Act, 1952 read with Regulation 39 of the Metalliferous mines Regulations, 1961

this accident could have been averted.

5. Date – 25/02/10
Time – 18.45

Mine – HAMSA MINERAL GRANITE MINE
Owner – M/S HAMSA MINERALS (P) LTD.
Dist. – Prakasham, State – Andhra Pradesh
Person(s) Killed :

1. Buchi Srinu, Compressor Operator, Male, 35 Years
2. Yekala Yesubabu, Contractor Worker, Male, 19 Years
3. Malineni S. Rao, Compressor Operator, Male, 25 Years
4. Onteddu M. Reddy, Excav. Operator, Male, 31 Years
5. Chunchu Sudhakar, Excavator Operator, Male, 27 Years
6. Malineni Pitchaiah, Water Eng. Optr., Male, 49 Years
7. Gangireddy S. Reddy, Wire-Saw Operatr, Male, 24 Years
8. Yelagala Kondalu, Wire-Saw Operator, Male, 35 Years
9. Adapa Satti Babu, Ranger Helper, Male, 23 Years
10. Munuwamy Murugan, Excavator Operator, Male, 31 Years
11. Muthuraman Jayapal, Excv. Operator, Male, 30 Years
12. Chokkalu T. Rao, Contractor Worker, Male, 36 Years
13. Kamatam N. Rao, Slotter Operator, Male, 35 Years
14. Yelagala Saidulu, Water Eng. Helper, Male, 39 Years

While a group of 18 persons was deployed at the bottom of an opencast pit of a Granite mine near its side consisting of fractured stone, a mass of Granite stone measuring about 30m long X 35-45m height X 10m thickness slid along a known inclined joint plane and fell on 15 of them from a height varying between 10 to 55m burying 14 persons inflicting fatal injuries. Another one received serious bodily injuries.

Had the sides of the opencast workings been adequately benched, sloped or secured and a suitable monitoring device to indicate the rock pressure been used to warn the persons against impending movement of in-situ rock mass and a berm of 4m width been maintained between overburden and dimension stone bench so as to prevent danger from fall of sides and had sufficient number of officials been appointed to secure during each of the workings shifts – adequate inspection, thorough supervision of all operations in the mine, as required under Regulations 37, 39, 106(3) & 106(2) (b) of Metalliferous Mines Regulations, 1961 read with condition No.s 3.2, 3.5 and 19.3 of DGMS permission letter No. H1/Perm-106/NLR/05/1393 dated 18.07.2005 and section 18(4) of the Mines Act, 1952, this accident could have been averted.

6. Date – 26/03/10
Time – 12.00

Mine – BHARKUNDI NO. I SOAPSTONE MINE
Owner – JAI POLYMERS CO. PVT. LTD.
Dist. – Pratapgarh, State – Rajasthan
Person(s) Killed :

1. Khania, Unskilled Worker, Male, 55 Years
2. Raiya, Unskilled Worker, Male, 35 Years
3. Durga, Unskilled Worker, Female, 18 Years
4. Bababria, Unskilled Worker, Male, 36 Years
5. Shantu, Unskilled Worker, Female, 18 Years
6. Savita, Unskilled Worker, Female, 18 Years
7. Dhania, Unskilled Worker, Male, 38 Years
8. Velki, Unskilled Worker, Female, 18 Years

While a group of 24 workers were deployed at the bottom of an opencast soap stone mine, having nearly vertical side of height about 33 meters consisting of dolomitic lime stone containing

undercuts of depth up to 2.0 meters, a portion of side measuring 3.0m X 2.0m X 1.0m failed and suddenly slid trapping initially three of them beneath rock mass and later another five co-workers who tried to rescue them in subsequent side fall measuring about 13.0m(length) X 7.0m(height) X 2.0m (thickness) from a height varying between 16.0m to 24.0m, causing fatal injuries to eight of them.

Had the sides of the quarry been adequately benched, sloped or secured so as to prevent danger from fall of side, no under cuttings were made and had no manual deployment been allowed in the mechanized quarry, as required under the provisions of Regulations 106(2)(b) & (5) of Metalliferous Mines Regulations, 1961 read with DGMS permission letter Nos. UR/2456 dated 02.07.1992 and UR/4363 dated 11.09.2007, this accident could have been averted.

7. Date - 04/04/10
Time - 21.30

Mine - BALAGHAT MANGANESE MINE
Owner - MANGANESE ORE [INDIA] LTD.
Dist. - Balaghat, State - Madhya Pradesh
Person(s) Killed :

1. Dhaniram Mehtar, PR Worker, Male, 43 Years

While two workman were levelling the muck for placement of airleg near Footwall side in a stope area, a piece of ore measuring 0.9m X 0.3m and about 0.3m thick parted from the corner of back and side and fell from a height of 2.85m on the Workmen causing serious bodily injury to one of them who succumbed to injuries almost instantaneously. The other escaped with reportable injury.

Had the back and side of the corner of the stope been made and kept secured as required under Regulation 112 of Metalliferous Mines Regulations, 1961 read with Rule 2(d) of Systematic Support Rules approved vide permission letter No. NR-1/380050/PERMISSION/NC/A/04/2007/1908 dated 27.09.2007 this accident could have been averted.

8. Date - 07/06/10
Time - 22.00

Mine - ARPANAPALLI GRANITE MINE
Owner - MIDWEST GRANITE PVT. LTD.
Dist. - Warangal, State - Andhra Pradesh
Person(s) Killed :

1. Nagelli Venkanna, Wiresaw Operator, Male, 40 Years

While a group of four work persons were operating the wire saw at the bottom of 2nd bench in the quarry, a block of granite parted from 1st bench in which holes were charged with chemical expansion mortar to create cracks, slid along slip plane and fell down broken in two pieces. One broken piece measuring about 0.5m X 0.2m X 0.2m in size hit one of the workers who received head injuries causing instantaneous death. One person received minor injuries and other two escaped unhurt.

Had

i) the work persons been ensured that proper shelter taken beyond the danger zone before charging the holes with chemical expansion mortar,

ii) persons been withdrawn from the danger zone & the area been fenced off to prevent inadvertent entry and

iii) ensured that during the afternoon shift mine is under general supervision of experienced mine foreman as required under Regulation 164(1), Regulation 117(1) read with Regulation 37(1) (a) of MMR, 1961,

this accident could have been averted.

9. Date - 02/08/10 Mine - THREE STAR BLUE METAL STONE QUARRY
Time - 6.45 Owner - SHRI M. SEKAR
Dist. - Kancheepuram, State - Tamil Nadu
Person(s) Killed :

1. Madasamy, Loadman, Male, 30 Years

While two loadmen were present near a lorry at the toe of 60m high stone bench of a disused opencast workings of the mine, suddenly a mass of stone measuring about 20m(length) X 0.5m to 6m (width) X 0.1m to 3m(thickness) parted off the joining planes at a height of about 07m to 27m burying one of them which proved fatal instantaneously and inflicting serious bodily injury to the other person.

Had

i) the sides of the opencast working been kept adequately benched and sloped as provided under Regulation 106(2) and (3) of the Metalliferous Mines Regulations, 1961 read with order under Section 22(3) of the Mines Act, 1952 issued at the mine vide No. CR/Stone/Order22(3)/2007/589 dated 07.03.2007

ii) the persons been not allowed to pass beyond a station at entrance to the mine until the working places to which such persons are required to have access have been examined by the mining mate or competent person in charge of the mine or district and found to be in safe condition as provided under Regulation 116(3) (a) of the Metalliferous Mines Regulations, 1961, and

iii) the fencing been constructed between permitted area for quarrying and non-permitted area for quarrying so as to prevent inadvertent entry of persons into non-permitted area i.e. disused area of the quarry as provided under Regulation 115(4) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0113 Fall of Overhangs
(17 Deaths)

10. Date - 10/01/10 Mine - GUNAWATI MARBLE MINE PLOT NO.-182
Time - 12.30 Owner - Mohammad Ramzan Bhati
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Bhanwar Lal, Mazdoor, Male, 27 Years
2. Dayal Ram Meghwal, Mazdoor, Male, 30 Years
3. Suresh Sad, Mazdoor, Male, 25 Years

While nine persons were engaged for extraction of marble blocks at the bottom of a 52m high overhanging bench in a quarry a stone measuring about 3m X 2.4m X 0.9m parted from top of the

bench and fell upon footwall of the quarry, broke in to pieces which fell over the persons killing two of them on the spot, inflicting serious bodily injuries to third which proved fatal shortly thereafter on way to a hospital and minor injuries to six others.

Had

i) the hang wall side of the mine been adequately benched, sloped or secured so as to prevent danger of fall of the side,

ii) undercutting of hang wall side of the mine not been permitted so as to cause overhang,

iii) a duly qualified Manager been appointed in the mine for management, control, supervision and direction thereof and

iv) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter no. AJ/DMS/22(3)/Nagaur/2003/2440 dated 28.10.2003

as required under the provision of Regulations, 106(3) and (5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) and 22(3) of the Mines Act, 1952,

this accident could have been averted.

11. Date - 24/04/10

Time - 16.30

Mine - PRASHANT MINING QUARTZ AND FELSPAR MINE

Owner - SATYA NARAYAN SHARMA

Dist. - Bhilwara, State - Rajasthan

Person(s) Killed :

1. Shankar Lal Gurjar, Contractor, Male, 32 Years
2. Nanu, Mazdoor, Female, 40 Years
3. Sukhi, Mazdoor, Female, 32 Years
4. Sanu, Mazdoor, Female, 19 Years

While a contractor and three female mazdoors were engaged in digging of ore at the bottom of a 11.5m high and overhanging bench a portion of the bench measuring about 20m X 11.5m X 1.8m parted and fell over them burying them completely which resulted in their instantaneous death.

Had

i) the persons not been engaged at the bottom of about 11.5m high and overhanging bench thus not endangering their life,

ii) hang wall side of the mine been adequately benched, sloped or secured so as to prevent danger of fall of the side,

iii) undercutting of hang wall side of the mine not been permitted so as to cause overhang and

iv) a duly qualified Manager been appointed for management, control, supervision and direction of the mine

as required under the provisions of Regulations 181, 106(3) and (5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

12. Date - 24/08/10 Mine - BORAWAR KUMARI RANGE MARBLE MINE PLOT-43
Time - 11.30 Owner - SHRI SHIV KARAN MALI
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Chaina Ram Gurjar, Mazdoor, Male, 36 Years
2. Ram Lal Gurjar, Mazdoor, Male, 35 Years
3. Mewa Ram Gurjar, Mazdoor, Male, 25 Years

While three mazdoors were shifting an electric panel of a wiresaw cutting machine below a 30m high and overhanging bench in an opencast mine a portion of the overhang measuring about 7m X 7m X 1m parted from top of the bench and fell upon them killing two of them on the spot and seriously injuring the third who succumbed to the injuries two hours later.

Had

i) the mazdoors not remained in the mine beyond the period over which their shift extended and neglected the direction of the manager and

ii) it not been negligently omitted to put a system in place in which no person enters the mine without the knowledge or authorization of manager which was necessary for the safety of the persons employed there in

as required under the provisions of Regulations 41(9) & (1) and 181 of the Metalliferous Mines Regulations, 1961 read with Section 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

13. Date - 27/08/10 Mine - DEOKHERA GARNET MINE
Time - 11.00 Owner - M. K. LALI
Dist. - Tonk, State - Rajasthan
Person(s) Killed :
1. Ladu Bairwa, Mazdoor, Male, 40 Years
2. Rang Lal Bairwa, Mazdoor, Male, 42 Years
3. Ram Narayan Meena, Mazdoor, Male, 41 Years
4. Bhanwar Lal, Mazdoor, Male, 35 Years
5. Mohammad Shafiq, Mazdoor, Male, 51 Years

While seven mazdoors were engaged for digging and extraction of garnet at the bottom of a 30m high and vertical hang wall side of a quarry a part of the equally high and overhanging foot wall side measuring about 17m X 14m X 4m parted from top and fell over the mazdoors killing five of them on the spot, the other two could escape without injury.

Had

i) the sides of the mine been adequately benched, sloped or secured so as to prevent danger of fall of the foot wall side,

ii) under cutting of foot wall side of the mine not been permitted so as to cause overhang and

iii) a duly qualified Manager been appointed in the mine for management, control supervision and direction thereof

as required under the provision of Regulations 106(3) and (5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) and 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

14. Date - 27/10/10

Time - 16.00

Mine - ODWAS SERPENTINE (MARBLE) MINE

Owner - M/S MAHAVEER GREEN MARBLES

Dist. - Udaipur, State - Rajasthan

Person(s) Killed :

1. Laxman Meena, Mazdoor, Male, 34 Years

2. Vijay Singh, Supervisor, Male, 32 Years

While two workers were operating wire saw machine and one supervisor was making cut marble blocks at the bottom of an opencast working, a rock mass measuring about 15m(Length) X 20m(Width) and 5-7m (Height), collapsed from a height of about 9m from the area outside the mine boundary burying all of them. Later, one of them was recovered with serious injury and the dead bodies of remaining two of them were recovered.

Had the sides been adequately benched, sloped or secured so as to prevent danger from fall of sides, before engaging the workers in the pit as required under Regulation 106(3) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

Code : 0300

Transportation Machinery (Non-Winding)

Code : 0334

Conveyors

(3 Deaths)

15. Date - 11/03/10

Time - 16.30

Mine - DEOJHAR IRON ORE MINE

Owner - TARINI MINERALS PVT. LTD.

Dist. - Keonjhar, State - Orissa

Person(s) Killed :

1. Bablu Kujur, Helper, Male, 22 Years

While a person was trying to clean unfenced tail end of conveyor belt in running condition his right hand got trapped in between tail end & belt. The Cleaner received serious injuries which proved fatal after half an hour.

Had the plant been started after proper fencing of tail end of BC-2 conveyor and thus not been allowed Person to work in running conveyor belt, the accident could have been averted.

16. Date - 10/07/10 Mine - SRIKURMAM MINERAL SANDS MINE
Time - 5.30 Owner - Trimex Sands Pvt. Ltd.
Dist. - Srikakulam, State - Andhra Pradesh
Person(s) Killed :

1. T Yerranna, Mech. Fitter, Male, 24 Years

While a mechanical fitter trying to remove spilled sand from the running belt near return tail end drum for belt adjustment, his right hand entangled and pulled into the tail end drum causing serious bodily injury to his head & right hand to which he succumbed after 16 days during the treatment in the hospital.

Had the mechanical fitter used proper mechanical appliance or not tried to clean and adjust the belt, while in motion as required under the provisions of Regulation 174(4) of MMR, 1961, this accident could have been averted.

17. Date - 30/07/10 Mine - KIRIBURU IRON ORE MINE
Time - 11.00 Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - West Singhbhum, State - Jharkhand
Person(s) Killed :

1. Pitambar Behra, Contractual Labour, Male, 29 Years

While an electric helper was rectifying the overhead lighting wire standing on the belt the electrician inadvertently started the belt. The helper fell on the moving belt, carried and trapped between the belt and chute mouth and received fatal injury.

Had the conveyor belt been maintained and operated under the constant supervision of a competent person, as required under Regulation 176(1) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

Code : 0335 Dumpers
(6 Deaths)

18. Date - 11/02/10 Mine - JAYA MINERAL EXPORTS GRANITE MINE
Time - 1.00 Owner - M/S JAYA MINERAL EXPORTS
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :

1. Madivi Kannaiah, Dumper Operator, Male, 30 Years

While a loaded dumper was moving on an up-hill haul road having gradient of about 1 in 4.5, suddenly the operator lost control and the dumper rolled back and hit the side of the opencast workings. The operator received serious bodily injuries to which he succumbed while taking to hospital.

Had the gradient of mine haul road was maintained as prescribed by the Condition no. 4.4 of the Annexure – 106A appended to the Permission letter no. H1/Jaya Granite Mine/Perm/2007/1409 dated 25.07.2007 granted under Reg. 106(2) (b) of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

19. Date – 11/09/10
Time – 5.40

Mine – TUMMALAPALLI URANIUM MINE
Owner – URANIUM CORPORATION OF INDIA LTD.
Dist. – Cuddapah, State – Andhra Pradesh
Person(s) Killed :

1. Samu Sardar, Face Worker, Male, 45 Years

While a group of four mazdoors were manually loading muck into the bucket of the LHD (Load Haul Dumper) at the face of a decline, for making it ready for drilling shot holes, the opeartor moved the LHD forward and one of them was crushed between the LHD bucket and the decline face and received serious bodily injuries to his lower limbs for which he succumbed while taking to hospital.

Had no person crossed in between the bucket and the face without being permitted and also the LHD been not moved forward without ensuring the clearance of person at the site, thus not negligently omitted to ensure the safety of persons employed at the face as required under the provisions of Regulations 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

20. Date – 25/09/10
Time – 7.30

Mine – ANTHARAGANGAMMA & MALLAMMA KONDA IRON
Owner – M/S OBULAPURAM MINING CO.PVT.LTD.
Dist. – Anantpur, State – Andhra Pradesh
Person(s) Killed :

1. Giridhar Reddy, Dumper Operator, Male, 28 Years

2. Venkata Ramana, Helper, Male, 32 Years

While a dumper was being driven on an approach road connecting two pits of an iron ore mine, the dumper went off the road, slid down along the slope of the hillock and toppled aside. The operator and the helper attempted to jump out of the cabin and sustained serious bodily injuries to which they succumbed during transportation to hospital.

Had the approach road been maintained at least three times the width of the dumper plying on it and a strong parapet wall/berm to prevent dumper getting off the road was provided as required under the provisions of Reg. 106 Metalliferous Mines Regulations, 1961 read with DGMS Technical Circular No. 36 of 1972 & 17 of 1977 and 9 of 2008, the accident could have been averted.

21. Date – 10/11/10
Time – 9.00

Mine – KARIGANUR IRON ORE MINE
Owner – KARIGANUR MINERALS MINING INDUSTRIES LTD.
Dist. – Bellary, State – Karnataka
Person(s) Killed :

1. Sriram, Tipper Operator, Male, 28 Years

While a tipper was being driven in reverse direction on a ore bench of an opencast iron ore mine, the rear left protion of the tipper body hit on the head of another tipper driver, who was looking

backside of his loaded tipper by keeping his head outside the cabin, resulting into serious bodily injuries to him and he succumbed to his injuries on the way to hospital.

Had the tipper been not driven in reverse direction without ensuring clear view of the area behind the vehicle, negligently omitted to ensure the safety of his co-worker in contravention Condition No. 15.4B(viii) of Permission Letter No. H-II/1338 dated 07.05.1997 granted under provision of Reg. 106(2) (b) of the MMR, 1961 read with Regulation 181, the accident could have been averted.

22. Date - 24/12/10 Mine - DEULEM PISSURLEM I/ORE MINE
Time - 12.30 Owner - R. S. SHETYE & BROS.
 Dist. - North Goa, State - Goa
 Person(s) Killed :

1. Chandrakant Gawde, Tipper Operator, Male, 50 Years

While three tipper operators waiting for their turn for loading were sitting and gossiping in front of a tipper towards non-driving end, the tipper operator suddenly started the vehicle and moved ahead running over one of them to which he succumbed instantly while other two tipper operators escaped without any injury.

Had

i) the tipper driver suddenly not started and moved the tipper without ensuring that no persons are in front of the vehicle thus negligently endangering the life and safety of the persons in contraventions of Regulation 181 of the Metalliferous Mines Regulations, 1961 and

ii) the persons not sat in front of the tipper without informing its operator thus negligently and willfully endangering thier own safety in contravention of Regulation 181 of the Metalliferous Mines Regulations, 1961,

the accident could have been averted.

Code : 0339	Wheeled Trackless (Truck, Tanker, etc.)
	(4 Deaths)

23. Date - 05/03/10 Mine - SRI VENKATESWARA CLAY MINE
Time - 7.30 Owner - M/S A. P. MINERAL DEVELOPMENT CORPORATION
 Dist. - West Godavari, State - Andhra Pradesh
 Person(s) Killed :

1. Nalini Vasu, Driver, Male, 30 Years

While a driver of a loaded truck, driving up on a haul road of gradient 1 in 16, in spite of defect in the clutch, the truck could not negotiate the gradient, truck started rolling back, and in course the left side rear wheel climbed on berm of about 1m height and the truck toppled right side causing fatal injury to the driver.

Had the clutch of vehicle been maintained properly as required under Reg. 172 of MMR, 1961, the accident could have been averted.

24. Date - 26/03/10 Mine - SUKINDA CHROMITE MINE
Time - 13.55 Owner - M/S TATA STEEL
Dist. - Jajpur, State - Orissa
Person(s) Killed :

1. Bikash Pradhan, Truck Driver, Male, 21 Years

While a transporter's empty truck was being reversed in an ore stack-yard of an opencast mine it collided with a standing loaded truck in which its driver, who was cleaning the sides of his truck, was hit and trapped between the two colliding trucks, receiving serious bodily injuries to which he succumbed on the way to hospitals.

Had

i) the truck been reversed carefully after properly seeing for presence of any person behind it so as not to hit him and thus negligently not endangering the life or safety of persons in the mine, as required under the provisions of Reg. 41(1)(a) read with Reg. 181 of the Metalliferous Mines Regulations, 1961 and

ii) the truck been fitted with audio visual reversing alarm so as to warn any person present behind the reversing truck as required under Section 18(4) of the Mines Act, 1952 and Reg. 106(2)(b) read with Clause No. 17.1(d) of Annexure to this Directorate's letter No. BCU/CH-7/P-106/2005/1396 dated 03.07.2006,

the accident could have been averted.

25. Date - 01/10/10 Mine - VASAVI GRANITES
Time - 22.30 Owner - M/S VASAVI GRANITE
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :

1. Pulidindi Srinivasa Rao, Driller, Male, 36 Years

While a worker was carrying diesel cans on a tractor on a haul road having gradient of about 1 in 7.4, the driver lost control and hit a granite block at the floor of the opencast workings. With a result both of them were thrown forward. One of them received serious bodily injuries and succumbed to his injuries on the way to hospital and the other person escaped with minor injuries.

Had a tractor was not been allowed to go into the opencast workings as required under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with condition No. 14.9 of the Annexure enclosed with the permission letter No. H1/Vasavi/Granite/Perm/2008/1009 dated 22.04.2008, the accident could have been averted.

26. Date - 25/11/10 Mine - KHAMARIA DOLOMITE MINE
Time - 12.35 Owner - MANISH SINGH BANAFER
Dist. - Bilaspur, State - Chhattisgarh
Person(s) Killed :

1. Santosh Kr. Uraw, Driver, Male, 25 Years

While a tractor driver was driving a loaded tractor-trailer through the narrow haul road of uneven condition in the night hours, he lost control of the tractor which went out of the haul road and

fell into the nullah/ditch to a depth of 2.6m by the side of the haul road and in the process he was buried under the tractor inflicting serious bodily injuries to which he succumbed on the spot.

Had

i) the mine been operated with appointing a duly qualified manager as required under the provisions of Regulation 34(1) (a) of the Metalliferous Mines Regulations, 1961

ii) the mine been placed under the charge of a competent person as required under the provision of Regulation 116 of the Metalliferous Mines Regulations, 1961

iii) the tractor-trailer combination only with two wheels and without braking arrangement for the trailer not been engaged for transportation and thus negligently omitted to do things necessary for the safety of the persons employed in the mine as required under Regulations 181 of the Metalliferous Mines Regulations, 1961 read with DGMS Circular No. 1 of 1994

iv) there been no undulations on the haul road and thus the haul road been maintained in good condition as required under Sub-clause 1.1 and width of the haul road been not less than three times the width of the largest vehicle plying on that road as required under Sub-clause 1.2 and the strong parapet walls or embankments not less than 1m in height been provided to prevent any vehicle getting off the road as required under Sub-clause 1.5, all of clause 1 of the DGMS Circular No. 11 of 1973 & Circular No. 4 of 1979 and thus negligently omitted to do things necessary for the safety of the persons employed in the mine as required under Regulation 181 of the Metalliferous Mines Regulations, 1961 and

v) the general lighting arrangement been provided during working hours when natural lighting was insufficient as required under the provisions of Regulation 146 and 148 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0400	Machinery Other than Transp. Machinery
Code : 0442	Cutting Machines (2 Deaths)

27. Date - 18/01/10
Time - 8.15

Mine - R R GRANITE MINE
Owner - A. PRABHAKAR REDDY
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :

1. Shiva Rohit, Helper, Male, 20 Years

While a granite block was being cut by wire-saw machine in the opencast workings of a granite mine, the diamond rope of wire-saw machine snapped and hit a helper who was crossing the cutting line at the same time. He received serious bodily injuries to which he succumbed on the way to hospital.

Had

i) the cutting area of wire-saw machine was fenced to prevent inadvertent entry of persons near to it, as required under the provisions of Regulation 174(2) of the Metalliferous Mines Regulations, 1961 and

ii) the person involved in the accident was imparted with vocational training before engaging him at the mine, as required under the provisions of Rule 6(1) of the Mines Vocational Training Rules, 1966,

the accident could have been averted.

28. Date - 23/10/10
Time - 5.00

Mine - BABARMAL PINK MARBLE MINE
Owner - M/S KHYATI MARBLES
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :

1. Thwar Chand Meena, Marble Mistry, Male, 30 Years

While a worker was adjusting the cutting string over the wheel of a wire saw machine in a confined space of a box cut on a marble bench in an opencast marble mine, his co-worker negligently started the wheel of the wire saw machine and as a result he got entangled with the cutting string over the wire saw, inflicting serious injuries to which he succumbed later in the hospital.

Had,

i) the wheel of wire saw machine was not started while a person was adjusting cutting string over it thus negligently omitting to ensure safety of a co-worker as required under the provision of Regulation 41(1)(a) & 181 of the Metalliferous Mines Regulations, 1961 and

ii) a duly qualified manager was appointed for overall management, control, supervision, and direction of the mine as required under the provision of Regulation 34(1) of Metalliferous Mines Regulations, 1961 read with Section 17(1) of the Mines Act, 1952,

this accident could have been averted.

Code : 0448

Other Heavy Earth Moving Machinery
(3 Deaths)

29. Date - 07/06/10
Time - 5.00

Mine - MEGHAHATUBURU IRON ORE MINE
Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - West Singbhum, State - Jharkhand
Person(s) Killed :

1. Bhagwan Das, ME Operator, Male, 43 Years

While an operator was engaged to push ore into chute in a stock pile by Dozer, Dozer along with operator fell upside down into cavity formed in chute due to running of conveyor belt above chute. The operator received serious injuries which proved fatal immediately.

Had, the dozer been allowed not to work just above the chutes and fencing been provided around the chutes, the accident could have been averted.

30. Date - 30/06/10
Time - 9.30

Mine - SRIKURMAM MINERAL SANDS MINE
Owner - Trimex Sands Pvt. Ltd.
Dist. - Srikakulam, State - Andhra Pradesh
Person(s) Killed :

1. Sk. Noor Mahammad, Supervisor, Male, 36 Years

While a supervisor was walking at stocking bag house, a tyre mounted lifting crane being operated by unauthorized person, suddenly hit him causing instantaneous death.

Had

i) the person not operated the crane without permission from the officials and applied brakes while in operation as required under Regulation 42(c) of MMR, 1961 and Regulation 181 of MMR, 1961,

ii) the authorized operator did not depute another person to perform his duties without the sanction of his superior officials as required under Regulation 42(b) of MMR, 1961 and

iii) the engineer ensured that the machinery is properly operated by competent person as required under the provisions of Regulations 53(d) of MMR, 1961,

this accident could have been averted.

31. Date - 09/08/10
Time - 10.50

Mine - TURAMDIH URANIUM PROJECT
Owner - URANIUM CORPN. OF INDIA LTD.
Dist. - West Singhbhum, State - Jharkhand
Person(s) Killed :

1. Bhagwat Pd. Suman, Civil Supervisor, Male, 44 Years

While a Civil Supervisor was involved in discussion at junction of 5th level decline with section incharge, a parked crane truck rolled down in reverse direction along down gradient of 8 degree and hit Supervisor. The Supervisor received serious injuries which proved fatal after 2 hours.

Had the crane truck been engaged to work after proper examination of parking brake, the accident could have been averted.

Code : 0500

Explosives

Code : 0552

**Deep Hole Blasting Projectiles
(2 Deaths)**

32. Date - 26/06/10
Time - 14.50

Mine - JHAMARKOTRA ROCK PHOSPHATE
Owner - RAJASTHAN STATE MINES & MINERALS LTD.
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :

1. Bhanwarlal Dangi, Assistant, Male, 52 Years

While an assistant to a blaster was guarding a village foot path to prevent inadvertent entry of persons in the danger zone, he was hit by a blasting projectile inflicting serious bodily injuries to which he later succumbed after 3 hours in the hospital.

Had,

i) the shot holes were properly charged using suitable delay and were not over charged as required under the provisions of the Regulations, 162(6) & (10) of the Metalliferous Mines Regulations, 1961,

ii) proper shelter been taken by assistant to a blaster before the shot holes were fired as required under the provisios of Regulation 164(I-A) (a) of the Metalliferous Mines Regulations, 1961 and

iii) shot holes, toe holes and pop shooting holes were not blasted simultaneously creating dangerous condition for formation of flying fragments thus negligently omitting to ensure the safety of the persons employed therein as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961

this accident could have been averted.

33. Date - 18/12/10
Time - 14.00

Mine - MODA PAHAD MASONARY STONE MINE
Owner - SHRI MOHAN LAL PUROHIT
Dist. - Jaipur, State - Rajasthan
Person(s) Killed :

1. Ravish Alias Rinku, Tractor Driver, Male, 20 Years

While a tractor trolley driver was about to start his tractor for loading of stones from two closely located small open cast mines, where three rounds of blasting had taken place, suddenly another round of a blast of about 10 holes of 100mm diameter took place in one of the mines generating fly rocks one of which weighing about two kilograms hit on the head of the tractor driver at a distance of 370m resulting in instantaneous death.

Had

i) it been seen that before the shots were charged, stemmed or fired all persons had taken proper shelter, suitable steps been taken to prevent any person approaching the shots and sufficient warning been given over the entire area falling within a radius of 500m from the place of firing in the mine,

ii) daily personal supervision been exercised in the mine by the Manager, adequate shelter or other protection against flying fragments been provided, all possible steps to ensure that every official and competent person understands, carries out and enforces the provisions of the Regulations in proper manner been taken, deep hole blasting in the mine not been carried out in absence of the Manager and the mine not been worked in violation of terms of the prohibitory order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter No. AJ/DMS/Order-22(3)/4666 dated 28.08.2009,

as required under the provisions of Regulations 164(1-A)(a) and (b) of the Metalliferous Mines Regulations, 1961 read with DGMS (Tech) Circular No. 8 of 1982, 44(1), 164(2), 44(3) read with 164(1-A)(a) and (b), Condition No. 4.2(ii) of the permission granted under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 vide this Directorate's letter No. AJ/DMS/perm-106(2)(b)/2010/2024 dated 20.04.2010 read with Sections 18(1) & (4) and 22(3) of the Mines Act, 1952,

this accident could have been averted.

Code : 0556

**Misfire/Socket(Other than Drilling into)
(1 Death)**

34. Date - 22/06/10
Time - 18.45

Mine - R. SIVA KUMAR REDDY STONE MINE

Owner - Shri R. Siva Reddy

Dist. - Nellore, State - Andhra Pradesh

Person(s) Killed :

1. Periyasamy, Contractual Driller, Male, 51 Years

While a misfire was being dealt by a driller in an opencast mine, the un-exploded shots exploded and the driller received multiple injuries for which he succumbed while treatment in hospital. One more person who did not take safe shelter received serious injuries.

Had

i) a manager was appointed for overall management, control, supervision and direction of the mine as required under Regulation 34(1) read with Section 17(1) of the Mines Act, 1952 and

ii) the blasting operations were conducted by a blaster, as required under the provisions of Regulations, 2(6) and 160 of the Metalliferous Mines Regulations, 1961,

the accident could have been averted.

Code : 0600	Electricity
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Code : 0663	Switch Gears, Gate End Boxes, Pommel, etc. (1 Death)
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35. Date - 15/10/10 Mine - MORWAD MARBLE MINE
Time - 3.10 Owner - SRI JAGMOHAN SINGH ARORA
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :

1. Bagdi Ram, Electrician, Male, 41 Years

While an electrician was working alone on a switch fuse unit on live conductors without ensuring shut down of power supply and without informing the electrical supervisor, the uninsulated portion of his pliers inadvertently came in contact between two live phases resulting in heavy sparks inflicting 40% burn injuries on his face, chest and upper limbs.

Had the work on the Switch fuse unit was carried out with proper shut down by isolating the incoming supply and earthing the line in accordance with sub Rule(1) of Rule 36 of Indian Electricity Rules, 1956 before taking up the repairing work, this accident could have been averted.

Code : 0800	Falls (Other than Fall of Ground)
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Code : 0881	Fall of Person from Height/into Depth (8 Deaths)
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36. Date - 21/04/10 Mine - DEVANNAGOUNDANOR LIMESTONE MINE
Time - 12.00 Owner - SHRI KRISHNA MINES & CHEMICALS
Dist. - Salem, State - Tamil Nadu
Person(s) Killed :

1. C. Babu, Bench Worker, Male, 36 Years

While a dresser/bench-worker was descending along the side (26m high) with the help of a rope fixed at the top, for dressing the side, he lost the hold of the rope, slipped and fell down about 23m below inflicting serious bodily injuries which proved fatal shortly thereafter.

Had

i) a proper safety-belt, with required length of tie-rope, been provided as required under Regulation 114(2) read with Regulation 182(B) (1) of the Metalliferous Mines Regulations, 1961,

ii) the height and width of the benches been maintained in accordance of the provision of Regulation 106(2) (a) of the Metalliferous Mines Regulations, 1961 and

iii) the Mine Mate, in-charge of the dressing, not left the operation of dressing un-supervised in contravention of the Regulation 47(5) (a) & (b) of the Metalliferous Mines Regulations, 1961,

the accident could have been averted.

37. Date - 22/05/10
Time - 15.00

Mine - CHAK DUNGRI RANGE MARBLE MINE (PLOT-42/1)
Owner - SMT. PATASI DEVI
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :

1. Deda Ram, Mazdoor, Male, 56 Years

While a debris filled tub lifted for about 0.5m above the ground by an electric crane and simultaneously being pulled by two mazdoors with the help of a wire rope on surface of an opencast marble mine, one of the mazdoors suddenly slipped, lost his balance and fell on a sharp edged stone lying on the ground sustaining serious bleeding injuries on his head to which he succumbed on way to a hospital.

Had

i) it been not negligently omitted to keep the place of work clean of sharp edged stones and boulders in the mine necessary for the safety of persons employed therein,

ii) the mazdoor engaged in pulling of debris filled tub been provided with a helmet,

iii) a qualified Manager been appointed for management, control, supervision and direction of the mine and

iv) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter No. AJ/Mak/22(3)/6111 dated 24.09.1996

as required under the provision of Regulations 181, 182A(2) and 24(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) & (4) and 22(3) of the Mines Act, 1952, this accident could have been averted.

38. Date - 26/05/10
Time - 18.00

Mine - PALODA MARBLE MINE
Owner - M/S NANAK MARBLES
Dist. - Banswara, State - Rajasthan
Person(s) Killed :

1. Hanuman Ram Choudhary, Marble Mistry, Male, 33 Years

While a worker was searching his lost mobile near the edge of a marble bench over the slippery surface after duty hours in an opencast marble mine, suddenly he got unbalanced and fell down from a height of about 6.0m on the lower bench on a boulder, inflicting serious injuries to which he succumbed after 8 hours in the hospital.

Had, he not re-entered the mine beyond the period over which his shift extended and not negligently endangered his life by traveling near the edge over the slippery surface of the marble bench as required under the provision of Regulation 41(1)(a) & 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

39. Date - 10/07/10 Mine - ALLIANCE AP BLACK GALAXY GRANITE MINE
Time - 12.30 Owner - M/S ALLIANCE AP BLACK GALAXY GRANITE P.LTD
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :

1. P.Hari, Slotter Helper, Male, 37 Years

While a slotter helper was engaged on a slotter machine along with an operator, he left his place of work without intimating to the operator and went to the edge of a non-working bench at a distance of 43m, and fallen to a depth of 5.2m when the edge collapsed along a joint plane on its own, inflicting serious injuries. He succumbed to injuries on way to hospital.

Had he not been to an un-authorised place of working as required under the provisions of Regulation 41(4)(b) of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

40. Date - 22/10/10 Mine - NIZARNA MARBLE MINE
Time - 11.30 Owner - M/S KEY-MAN MARBLE PVT. LTD.
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :

1. Dalpat Singh, Supervisor, Male, 28 Years
2. Giga Ram, Mazdoor, Male, 30 Years
3. Panna Ram, Mazdoor, Male, 25 Years

While three persons, standing over a cut marble block measuring about 15cm(Length) X 2m(Width) X 6m(Height), were engaged to topple it in a marble mine, a part of it separated and all of them fell to a depth of about 6.0m causing fatal injuries to all three of them. Had,

i) a qualified manager been appointed for management, control, supervision and direction of the mine as required under Section 17(1) of the Mines Act, 1952 read with Regulation 34(1) of the Metalliferous Mine Regulations, 1961 and

ii) the workers not engaged in toppling already cut marble block standing over it thus not negligently endangered their life as required under the provision of Regulation 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

41. Date - 26/10/10
Time - .30

Mine - BISTARA LIMESTONE MINE
Owner - N. M. DUBESH STONE & LIME CO. PVT. LTD.
Dist. - Katni, State - Madhya Pradesh
Person(s) Killed :

1. Ram Sujan Burman, Night Guard, Male, 22 Years

While a night guard approached a fence on a bench in an opencast working, constructed against a sump in the immediately lower bench, he somehow lost balance and fell from a height of about 6.7m, sustaining head injury against the face (highwall) of the bench and expired in a few minutes.

Had an efficient fence been provided so designed and constructed as to effectively prevent any person from falling into the sump as required under Regulation 115(2) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

Code : 0883

Fall of Objects incl. Rolling Objects
(08 Deaths)

42. Date - 25/01/10
Time - 12.00

Mine - GUNAWAT RANGE MARBLE MINE PLOT-206/1
Owner - SRI FARRUKH AHMED & SRI FAKHRUDING AHMED
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :

1. Kanaram, Mazdoor, Male, 35 Years

While a marble block of 1.37m X 0.76m X 0.76m size, tied up with a spliced rope of an electric crane and hoisted from bottom of a 50m deep opencast mine, was being placed on surface at the top of the mine the spliced rope suddenly opened releasing the block at a height of about 1.5m which fell over and hit a mazdoor preparing ground beneath the marble block inflicting serious bodily injury to him to which he succumbed on way to a hospital.

Had

- i) the spliced rope not been used for hoisting of the marble block
- ii) a Technician been appointed for running and maintenance, in safe working order, of the crane
- iii) a duly qualified Manager been appointed for management, control, supervision and direction thereof in the mine and
- iv) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter No. AJ/DMS/22(3)/2007/9784 dated 13.12.2007

as required under the provision of Regulations 88(2)(c), 39(1)(a) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) and 22(3) of the Mines Act, 1952,

this accident could have been averted.

43. Date - 30/01/10
Time - 11.15

Mine - CHECHAT LIMESTONE MINE
Owner - SHRI NATH ENTERPRISES PVT. LTD.
Dist. - Kota, State - Rajasthan
Person(s) Killed :

1. Sumitra Devi, Mazdoor, Female, 32 Years

While a female mazdoor was carrying a limestone slab measuring 60cm X 45cm X 10cm and weighing about 76kg on her head for loading into a truck in an opencast mine she suddenly slipped and fell down along with the slab which hit upon her head inflicting serious bodily injuries to which she succumbed 6 days later in a hospital.

Had

i) the female mazdoor not been employed to lift and carry the limestone slab so heavy as to cause her slip and fall and sustain bodily injuries which turned fatal six days later and

ii) it been seen that proper appliances for ensuring the safety of the persons employed in the mine was provided at the mine

as required under the provisions of Regulations 118(6) and 44(3)(a) read with Regulations 47(1)(b), 46(2)(b), 45(1) and Section 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

44. Date - 22/03/10
Time - 20.30

Mine - BELDONGRI MANG MINE
Owner - MANGANESE ORE [INDIA] LTD.
Dist. - Nagpur, State - Maharashtra
Person(s) Killed :

1. Sunil Jagdish Yadav, Cont. Worker, Male, 24 Years

While a contractor worker was engaged for mucking at the bottom of a winze, in course of being sunk in an underground manganese mine, a piece of stone measuring in size 20cm X 15cm X 10cm fell from a height of 17.5m, from the bucket being unloaded at the normal landing level of the winze, and it hit the contractor worker inflicting injuries to which he succumbed within 2 hours and 15 minutes.

Had

i) both the doors, provided at the normal landing of the winze in course of being sunk, been kept closed during unloading of the bucket as required under Regulation 87(5)(a) of the Metalliferous Mines Regulations, 1961, and

ii) suitable doors, which can be operated simultaneously with the help of one lever, been provided at the normal landing of the winze in course of being sunk as required under Regulation 87(5)(a) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

45. Date - 30/05/10
Time - 3.30

Mine - RAIDA I IRON ORE MINE
Owner - MID EAST INTEGRATED STEELS LTD.
Dist. - Keonjhar, State - Orissa
Person(s) Killed :

1. Jagannath Mohanta, Operator (Screen), Male, 20 Years

While a screen operator was sleeping on the floor of the surface fine stock of an opencast metalliferous mine, the fines were dumped on the operator by a pay loader operator unknowingly, the screen operator got buried unnoticed under the fines and died instantly.

Had the fines not been dumped in the stock without ensuring that nobody present in the stock yard, thus not negligently endangering the safety of the persons employed therein, as required under the provision of the Regulation 181 of the Metalliferous Mines Regulation, 1961, this accident could have been averted.

46. Date - 14/08/10
Time - 7.50

Mine - ORISSA SAND COMPLEX MINE
Owner - INDIAN RARE EARTHS LTD.
Dist. - Ganjam, State - Orissa
Person(s) Killed :

1. Kurma Kadraka, Dy. Engineer (Elect.), Male, 45 Years

While lowering operation was being carried out by operating the motor of a double drum winch in a hasty manner, the Lantern Carriage Unit (L C Unit) of a high Mast unit; got dislodged from its suspension system due to breakage of both the winch ropes followed by breakage of its three numbers suspension wire ropes; smashed upon the supporting hangers kept at the bottom of the mast causing fatal injury to the operator by its broken parts.

As such the accident occurred due to Misadventurous operation of the winch motor.

47. Date - 18/08/10
Time - 8.55

Mine - ANKLESWAR PROJECT OIL MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Bharuch, State - Gujarat
Person(s) Killed :

1. Bidhan Barman, Unskilled Worker, Male, 23 Years

While two persons were standing over a rig floor platform for tying slings around the platform for making preparation for dismantling and one person was engaged for removing the pins from below the platform, the platform toppled and fell down resulting in serious head injuries to the person engaged below the platform which proved fatal after one hour on the way to hospital. The other two persons escaped with minor injuries.

Had

i) the platform been supported with crane being securely fastened with slings before allowing the persons for removing the pins for dismantling as required under Regulation 40(2) of the Oil Mines Regulations, 1984 and

ii) the work been carried out under proper supervision of a competent person as required under Regulation 23(1) of the Oil Mines Regulations, 1984,

this accident could have been averted.

48. Date - 23/09/10
Time - 15.00

Mine - KUMARI RANGE MARBLE MINE PLOT NO.-24
Owner - M/S SHERA RAM MEGHWAL & MANGLA RAM MAGHWAL
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :

1. Mangilal, Mazdoor, Male, 35 Years

While a wire rope of a crane was being lowered down in an opencast marble quarry, after hoisting a marble block to surface, a piece of the marble block measuring about 0.07m X 0.1m X 0.23m got separated from the block, carried over alongwith the rope, fell upon foot wall of the quarry and on rebound hit on left side of the head of one of the three mazdoors working at bottom of the quarry inflicting serious bodily injuries to which he succumbed after one and half hours in a hospital.

Had

i) precautions been taken to remove the mazdoors to surface of the quarry to prevent danger to them from falling of material from top as the workings were steeper than 30 degree from the horizontal,

ii) the mazdoors engaged in working at bottom of the quarry been provided with helmets and

iii) a qualified manager been appointed for management, control, supervision and direction of the mine

as required under the provisions of Regulations 114(1), 182A(2), and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) & 18(1) & (4) of the Mines Act, 1952,

this accident could have been averted.

49. Date - 10/11/10
Time - 15.45

Mine - GELEKI DRILLING OIL MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Sibsagar, State - Assam
Person(s) Killed :

1. Asosthama Sarmah, Rigman, Male, 29 Years

While two persons were working in the monkey board for tipping out drill pipes, one of them, standing on walkway, fell down on derrickfloor from a height of about 26.3m alongwith cantilever diving board which broke due to shearing and slipping of bolts caused by hitting of travelling block on the railing of diving board and fatally injured him instantly.

Had, draw-works been properly operated so as not to cause hitting by travelling block on the railing of diving board during lowering of drill pipe thus negligently not endangering the safety of person working on monkey board as required under the provision of Regulations 98 of the Oil Mines Regulations, 1984, this accident could have been averted.

Code : 0889**Other Accidents due to Falls
(1 Death)**

50. Date - 16/02/10
Time - 11.50

Mine - PIPELINE OIL MINE
Owner - OIL INDIA LTD.
Dist. - Barapeta, State - Assam
Person(s) Killed :

1. Ansal Ali Mullah, Contract Mazdoor, Male, 38 Years

While two Mazdoor were working in a trench of size 2m(wide) X 15m(Long) and about 2m to 2.3m deep, for retrieval of old abandoned crude oil pipes, loose weathered sandy soil/earth measuring approximately 2.4m(L) X 1.5m to 2.3m (W) and 0.5m thick caved in from the western side wall, thus burring both under it, one of them succumbed to his injuries after one hour of incident and other was escaped unhurt.

Had the side of trench dug been kept slopped at 45 degree or benched of 0.5m width at every 2.5m depth of excavation was maintained to prevent cave in or slides, thus not negligently omitted to ensure the safety of persons employed therein as required by the Reg. 98 of the Oil Mines Regulations, 1984,

this accident could have been averted.

Code : 0900**Other Causes**

Code : 0992**Flying Pieces (Except due to Explosives)
(1 Death)**

51. Date - 05/06/10
Time - 12.45

Mine - APPLE GRANITE MINE
Owner - M/S APPLE INDUSTRIES
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :

1. Kalia Behera, Contractual Driller, Male, 35 Years

While four drillers, for collecting the drilling tools, entered into the area having granite blocks applied with expansive mortar for dressing and splitting the blocks in an opencast mine, one edge of a granite block of a size of about 150cm X 55cm X 15cm(thick) got separated and thrown away for a distance of 03m and hit three of them for which one person succumbed while being treated in hospital. Other two received minor injuries.

Had the dangerous area having granite blocks applied with expansive mortar, which is likely to throw broken stones, was fenced to prevent inadvertent entry of persons near to it, as required under the provisions of Regulations 46(7) and 115(2) read with 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

Code : 0993

Drowning in Water
(2 Deaths)

52. Date - 21/08/10
Time - 11.00

Mine - DONIMALAI (NAVALUTI) IRON ORE MIN

Owner - H. R. GAVIAPPA & CO.

Dist. - Bellary, State - Karnataka

Person(s) Killed :

1. Krishna, Helper, Male, 20 Years

While a helper was marching a Rock breaker machine in an opencast iron ore mine, the machine fell down to next lower bench where in water accumulated due to rain and the helper was drowned.

Had

i) the machine not been operated unauthorisedly without knowing its operation thus negligently omitting to ensure his own safety in contravention provisions of Regulation 181 of Metalliferous Mines Regulations, 1961 and also

ii) it been ensured that, the job of maintenance of the machine not been done without providing supervision and not allowed the unauthorised operation by an incompetent person, thus negligently omitting to ensure the safety of the work person in contravention of the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961 read with Circular No. 2 of 1994,

the accident could have been averted.

53. Date - 12/09/10
Time - 12.30

Mine - RAMPURA AGUCHA GALENA & SPH MIN

Owner - HINDUSTAN ZINC LTD.

Dist. - Bhilwara, State - Rajasthan

Person(s) Killed :

1. Goverdhan Barik, Instrument Mechanic, Male, 51 Years

While an Instrumentation Mechanic was repairing a flow control valve of a flotation cell by standing on a steel platform over the flotation cell, the platform suddenly gave way causing the mechanic to fall in to the flotation cell and down who was recovered shortly thereafter in unconscious state and succumbed soon after.

Had the steel platform over the flotation cell been maintained properly as required under Regulation 172 read with Regulation 43 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

54. Date - 18/09/10
Time - 16.30

Mine - AHMEDABAD DRILLING OIL MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Kheda, State - Gujarat
Person(s) Killed :

1. Jawanji Thakore, Mazdoor (Contract), Male, 39 Years

While a mazdoor was arresting leakages on the coupling joint of mud flow pipeline & false conductor casing of a drilling rig building operation at a well site, resulting in pressing of the mazdoor between rig suddenly, the false conductor casing lifted when Kelly was picked up during pilot hole drilling in rig derrick platform bottom sub-structure and the mud flow pipeline, inflicting serious bodily injuries to which he succumbed about 2 hours later on the way to hospital.

Had

i) the driller before re-starting the drilling activity (picking of Kelly) at well site ensured that there was no person present below the rig derrick platform, and thus not negligently omitting to ensure safety of the mazdoor working thereat in contravention of the provisions of the Regulation 98 of the Oil Mines Regulations, 1984 and

ii) the mazdoor not climbed and worked in prone position over the mud flow pipeline for arresting the leakages in coupling joint of mud flow pipeline & false conductor casing of a drilling rig and thus not negligently omitted to ensure his own safety in contravention of the provisions of the Regulation 98 of the Oil Mines Regulations, 1984,

this accident could have been averted.

STATEMENT NO. 4.13

Details of major accidents in non-coal mines (involving 4 or more deaths) during the year 1901-2009

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
1	02/02/01	A. Subha Naidy & Co. Mica	9	0	Fall of Roof
2	11/04/02	Redhill Ruby	5	4	Fall of Roof
3	26/09/04	Hannumanoya/41B Mica	7	0	Fall of Sides
4	29/12/06	Salayakhad Mica	4	2	Fall of Sides
5	24/01/07	Chirki Mica	5	0	Fall of Sides
6	10/02/08	Murwara Limestone	7	2	Fall of Sides
7	06/12/10	Shivrajpur Manganese	12	0	Fall of Sides
8	26/04/11	Charki Mica	4	0	Fall of Sides
9	04/06/12	Make Myebye Wolfram	4	0	Fall of Sides
10	21/10/13	North Anantapur Gold	7	0	Fall of Roof
11	24/07/14	Maya Salt	5	2	Explosives
12	05/11/14	Tadaiya Mica	5	0	Irruption of Water
13	12/08/16	Wazunchaung Wolfram	9	0	Miscellaneous on Surface
14	13/05/19	Aulajhari Manganese	4	2	Fall of Sides
15	28/01/20	Hsaikho (Mile 28.6) Limestone	5	0	Fall of Sides
16	13/09/20	Bhalua Mica	4	0	Suffocation by Gases
17	18/09/20	Badwin Lead-Silver	11	0	In Shaft Ascending/Descending
18	19/02/23	Bawdwin Silver-Lead-Zinc	6	1	In Shaft Ascending/Descending
19	20/02/23	Cherangcode Mica	7	1	Fall of Sides
20	01/03/27	Telewadi Manganese	4	0	Fall of Sides
21	26/05/27	Bawdwin Silver-Lead	5	0	Suffocation by Gases
22	10/09/27	Tarki Limestone	4	0	Fall of Sides
23	12/10/27	Kyauktalone Limestone	9	18	Explosives
24	16/05/29	Bawdwin Silver-Lead-Zinc	10	0	Fall of Roof
25	06/01/31	Kanbank Tin and Wolfram	4	0	Fall of Sides
26	14/09/31	Taungpila Tin	5	0	Fall of Sides
27	12/04/32	Lady Rangi Mica	19	0	Suffocation by Gases
28	24/08/36	Wagon North Tin & Wolfram	7	0	Fall of Sides
29	26/02/37	Salaiya Pahari Limestone	9	0	Fall of Sides
30	22/12/38	Matauni Mica	4	0	Fall of Sides
31	05/10/40	Porcupine Steatite	4	2	Fall of Roof
32	15/07/43	Tatahwa Mica	5	0	Falling Down Shaft
33	07/11/45	Noamundi Iron	4	0	Fall of Sides
34	13/05/46	Kaza Limestone	4	0	Fall of Sides
35	06/12/46	Pattabhirama & Margin Mica	8	0	Irruption of Water

Statement 4.13 (Continued)

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
36	21/01/49	Kharonia Mica	5	0	Explosives
37	08/07/50	Basorhai Diamonds	6	0	Fall of Sides
38	14/06/51	Mysore Gold	4	0	Rock Burst
39	11/10/51	Oorgaum Gold	9	9	Rock Burst
40	02/11/51	Champion Reef Gold	4	0	Rock Burst
41	19/04/52	Champion Reef Gold	20	4	Rock Burst
42	30/06/52	Champion Reef Gold	10	5	Rock Burst
43	01/05/53	Lanjhera Manganese	5	2	Fall of Sides
44	21/06/54	Kachhidhana Manganese	5	1	Fall of Sides
45	30/11/54	Mysore Gold	4	1	Rock Burst
46	23/12/54	Venkajigudda (Vajra) Manganese	5	0	Fall of Sides
47	27/05/55	Champion Reef Gold	10	8	Rock Burst
48	21/04/56	Yeshwantanagar Manganese	5	1	Fall of Sides
49	18/08/56	Tikuri Bauxite	5	0	Fall of Sides
50	22/01/57	Madadakere Manganese	4	0	Fall of Sides
51	29/09/57	Rajupalem Barytes	11	2	Fall of Sides
52	19/02/58	Aytemvalasa Manganese	7	3	Fall of Sides
53	12/05/59	Siddimella Steatite	8	0	Fall of Sides
54	14/05/59	Serima White Earth	4	2	Fall of Roof
55	26/06/61	Gua Iron	4	1	Explosives
56	24/03/62	Champion Reef Gold	4	4	Rock Burst
57	01/06/63	Junawani Manganese	5	2	Fall of Sides
58	13/08/63	Nundydroog Gold	5	2	Rock Burst
59	16/02/64	Sonnedenhalli Iron	4	1	Fall of Sides
60	13/10/64	Patnibona (Bakudih) Stone	6	0	Fall of Sides
61	06/02/66	Mysore Gold	7	0	Overwinding
62	02/08/66	Borgafall Iron	5	0	Explosives
63	25/12/66	Venkateshwara Beryl & Mica	6	0	Fall of Sides
64	06/06/68	Sarvodaya Stone	7	0	Explosives
65	19/11/69	Morija Iron	4	3	Fall of Sides
66	14/10/70	Bhadrasai Manganese	4	0	Fall of Sides
67	29/01/71	Bhatti Badarpur Stone	4	0	Fall of Sides
68	20/06/72	Balawali Mica	4	0	Fall of Roof
69	22/08/78	Kukda Limestone	7	6	Fall of Sides
70	10/05/80	Kalidungri Dolomite	5	0	Fall of Sides
71	17/08/80	Bhatti Badarpur Stone	4	0	Fall of Sides
72	08/09/83	Manoharpur Iron	4	1	Truck
73	04/04/84	Surda Copper	5	0	Nitrous Fumes
74	30/05/84	Ahmedabad Oil Project	4	0	Fire
75	22/02/86	Rekha Fluorspar	8	2	Fall of Sides
76	15/11/88	Ankleshwar Oil Project	5	0	Outbreak of Fire
77	14/07/89	Nundydroog Gold	5	0	Rock Burst
78	30/05/90	Bhatti Badarpur Stone	7	0	Fall of Sides
79	22/06/91	Bandu Basaria Limestone	6	1	Fall of Overhangs
80	11/07/93	Pali Silica Sand	4	0	Fall of Sides

Statement 4.13 (Continued)

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
81	25/10/93	Pokarna Granite	5	1	Explosives
82	09/07/94	Maruthi Manganese	4	1	Fall of Sides
83	28/08/94	Rajpura Dariba Galena & Sphal.	13	0	Irruption of Water
84	16/02/95	Pali Silica Sand	4	0	Fall of Sides
85	08/11/96	God Granite	4	6	Explosives
86	17/04/99	Barkundi Soapstone No. 1	6	2	Fall of Sides
87	21/04/01	Jogogoria Stone Mine	4	0	Explosion/Ignition of Gas
88	02/06/02	Borli Limestone Mine	4	0	Fall of Sides
89	18/11/02	Devka Harmada Cheja Pathar Mine	5	2	Fall of Overhang
90	11/03/06	Surya Granite Opencast Mine	4	0	Fall of Object
91	12/09/06	Tollem Group Iron Ore Mine	6	0	Fall of Sides
92	10/07/07	Mandodi Limestone Mine	5	1	Fall of Sides
93	12/05/08	SMS Infrastructure Ltd. Stone	9	20	Other explosive accident
94	25/02/10	Hamsa Mineral Granite Mine	14	1	Fall of Sides
95	26/03/10	Bharkundi No. 1 Soapstone Mine	8	0	Fall of Sides
96	24/04/10	Prashant Mining Quartz & Felspar Mine	4	0	Fall of Overhang
97	27/08/10	Deokhera Garnet Mine	5	0	Fall of Overhang

STATEMENT NO. 4.14

Particulars of court of enquiries instituted under the Mines Act to enquire into the accidents in non-coal mines during the year 1901-2009

Sl. No.	Date of Accident	Name of Mine & Cause	No. of Persons Killed	Constitution of Court of Enquiry	Assessors
1	2	3	4	5	6
				S/Shri	S/Shri
1	07/11/45	Noamundi Iron (Fall of Sides)	4	Information not readily available.	
2	19/04/52	a) Champion Reef Gold (Rock Burst)	20	Dy. Commissioner, Kolar	1. Chief Inspector of Mines
	30/06/52	b) Champion Reef Gold (Rock Burst)	10		2. Ex. C. I. M. & Explosives
	19/08/52	c) Oorgaum Gold (Rock Burst)	1		3. W. T. Hooking, Mining Engr.
					4. M. C. Narsimhan, (Labour)
3	10/01/83	a) Bhatti Badarpur Stone (Fall of Sides)	1	Justice V. S. Deshpande	1. S. Sankaran
	16/01/83	b) Bhatti Badarpur Stone (Fall of Sides)	1		2. S. L. Passy, (INTUC)
	24/01/83	c) Bhatti Badarpur Stone (Fall of Sides)	3		

SECTION – I

EMPLOYMENT

AND

OUTPUT

SECTION – II

MACHINERY

SECTION – III

EXPLOSIVES

SECTION – IV

ACCIDENT

SECTION – V

MISCELLANEOUS

STATEMENT NO. 5.1

AVERAGE WEEKLY WAGES FOR METALLIFEROUS MINES (DECEMBER,2010)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	APATITE/ROCK PHOSPHATE											
	ANDHRA PRADESH	786	382	346	--	--	--	--	418	283	303	408
	MADHYA PRADESH	--	--	--	2516	578	1473	--	1372	1403	528	749
	RAJASTHAN	--	--	--	3204	1745	510	--	1918	1033	--	1869
	UTTARANCHAL	1150	--	767	--	--	--	--	1046	761	500	793
	WEST BENGAL	--	--	--	4125	1473	1448	--	1358	1473	--	1502
	ALL INDIA	1038	382	747	3067	752	1449	--	1280	929	472	967
2.	ASBESTOS											
	ANDHRA PRADESH	671	510	411	2115	1002	462	--	380	570	417	565
	RAJASTHAN	--	--	--	749	590	506	--	600	--	--	600
	ALL INDIA	671	510	411	1262	790	499	--	391	570	417	570
3.	BARYTES											
	ANDHRA PRADESH	--	--	--	6683	2194	5472	--	6893	3462	--	3222
	HIMACHAL PRADESH	1115	--	805	--	--	--	--	--	--	--	882
	ALL INDIA	1115	--	805	6683	2194	5472	--	6893	3462	--	3160
4.	BAUXITE											
	CHHATTISGARH	--	--	--	3830	897	1940	516	2593	2235	1355	1122
	GOA	--	--	--	605	654	--	--	950	800	--	713
	GUJARAT	--	--	--	3528	916	1663	407	917	2740	3063	1213
	JHARKHAND	--	--	--	2673	1542	2079	--	3325	2550	2417	1897
	KARNATAKA	--	--	--	3270	--	1821	--	2092	1432	--	2086
	MADHYA PRADESH	--	--	--	1965	782	1622	--	2107	1415	1405	938
	MAHARASHTRA	--	--	--	1240	944	1768	--	2279	3450	--	1172
	ORISSA	--	--	--	8294	842	10552	--	8528	9677	--	9661
	TAMIL NADU	--	--	--	4688	1207	427	--	630	851	--	1218
	UTTAR PRADESH	--	--	--	1868	171	209	--	1150	715	--	207
	ALL INDIA	--	--	--	2494	939	3412	434	3752	4089	1682	1703
5.	CALCITE											
	RAJASTHAN	--	--	--	1722	1210	1191	--	1373	512	--	1193
	ALL INDIA	--	--	--	1722	1210	1191	--	1373	512	--	1193
6.	CHINA CLAY,CLAY ETC.											
	ANDHRA PRADESH	--	--	--	1265	738	700	--	1063	618	--	833
	GUJARAT	--	--	--	1412	1283	940	--	800	480	414	1205
	HARYANA	--	--	--	771	612	638	--	800	708	--	654
	JHARKHAND	--	--	--	1015	596	489	300	492	460	594	525
	KARNATAKA	--	--	--	3514	1876	1892	--	1997	2936	--	2350
	KERALA	--	--	--	1506	1398	1195	500	1187	1425	682	1288
	ORISSA	--	--	--	623	389	364	--	372	--	--	391
	RAJASTHAN	--	--	--	1116	622	723	388	631	750	728	703
	TAMIL NADU	--	--	--	--	1129	1500	--	1375	--	--	1177
	WEST BENGAL	--	--	--	1103	602	480	--	864	918	--	807
	ALL INDIA	--	--	--	1226	831	789	383	878	959	652	881

STATEMENT NO. 5.1 (CONTD)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
7.	CHROMITE											
	KARNATAKA	3940	--	3396	2368	1869	2554	--	3393	2662	--	2427
	ORISSA	4306	1227	2393	3352	1298	1614	--	3615	2128	1804	1875
	ALL INDIA	4288	1227	2416	3200	1333	1636	--	3591	2144	1804	1899
8.	COPPER											
	MADHYA PRADESH	--	--	--	2600	2513	--	--	3505	1644	--	2392
	RAJASTHAN	7760	5630	5941	--	--	--	--	8030	5791	--	5951
	ALL INDIA	7760	5630	5941	2600	2513	--	--	5111	4684	--	4847
9.	DIAMOND											
	MADHYA PRADESH	--	--	--	8204	7024	5786	--	5504	6091	--	6329
	ALL INDIA	--	--	--	8204	7024	5786	--	5504	6091	--	6329
10.	DOLOMITE											
	ANDHRA PRADESH	--	--	--	1748	1827	1731	1072	4758	5184	--	2738
	CHHATTISGARH	--	--	--	4800	3180	3280	3175	3111	--	--	3314
	JHARKHAND	--	--	--	5250	--	5250	--	5250	5250	--	5250
	KARNATAKA	--	--	--	1285	1321	1407	--	2041	2196	--	1441
	MADHYA PRADESH	--	--	--	973	785	708	--	950	492	--	786
	MAHARASHTRA	--	--	--	1306	979	599	--	436	1682	--	897
	ORISSA	--	--	--	4548	1479	3704	--	4494	4643	--	3773
	ALL INDIA	--	--	--	2298	1540	2333	1251	3381	4831	--	2544
11.	FELSPAR											
	ANDHRA PRADESH	--	--	--	533	232	733	225	453	431	--	404
	KARNATAKA	--	--	--	1042	552	796	1165	847	--	462	835
	MAHARASHTRA	--	--	--	2150	--	--	--	--	--	--	2150
	RAJASTHAN	--	--	--	884	485	--	--	478	600	--	532
	WEST BENGAL	--	--	--	1250	822	--	--	1000	--	--	860
	ALL INDIA	--	--	--	591	313	749	1080	591	477	462	486
12.	FIRE-CLAY											
	ANDHRA PRADESH	--	--	--	--	614	600	--	500	--	--	610
	GUJARAT	--	--	--	950	697	810	410	--	--	--	677
	ORISSA	--	--	--	792	476	771	--	698	525	--	636
	RAJASTHAN	--	--	--	1044	939	558	--	675	--	37	749
	TAMIL NADU	--	--	--	888	409	695	--	660	478	--	499
	WEST BENGAL	--	--	--	986	792	405	--	1445	550	--	803
	ALL INDIA	--	--	--	895	564	716	410	785	522	37	629
13.	FLUORITE											
	GUJARAT	--	--	--	8254	--	5399	--	8553	3860	--	5407
	MAHARASHTRA	--	--	--	5027	925	933	--	3535	902	--	1216
	RAJASTHAN	--	--	--	3238	802	1075	--	853	740	--	1208
	ALL INDIA	--	--	--	4827	873	5136	--	4119	2336	--	3067

STATEMENT NO. 5.1 (CONTD)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
	ANDHRA PRADESH	2310	--	1830	--	--	--	--	--	2300	--	2169
	RAJASTHAN	9072	5262	8096	8021	6387	--	--	6614	4221	1610	5445
	ALL INDIA	8953	5262	8049	8021	6387	--	--	6614	4217	1610	5439
15.	GARNET											
	ANDHRA PRADESH	--	--	--	650	775	450	--	800	--	--	708
	RAJASTHAN	--	--	--	--	--	--	--	750	500	--	625
	TAMIL NADU	--	--	--	696	492	452	--	667	593	--	572
	ALL INDIA	--	--	--	696	495	452	--	670	593	--	573
16.	GOLD											
	JHARKHAND	--	--	--	1125	975	--	--	1095	--	--	1008
	KARNATAKA	1369	1308	1201	1998	--	1655	--	2419	1483	1244	1408
	ALL INDIA	1369	1308	1201	1601	975	1655	--	2378	1483	1244	1401
17.	GRANITE											
	ANDHRA PRADESH	--	--	--	2148	1079	1335	595	1378	1466	1089	1270
	GOA	--	--	--	1667	842	646	--	837	587	--	682
	HARYANA	--	--	--	--	--	--	--	--	--	--	--
	KARNATAKA	--	--	--	1530	1147	1360	1282	1527	1017	--	1241
	KERALA	--	--	--	1065	733	777	--	1328	473	150	618
	ORISSA	--	--	--	769	621	634	--	795	760	--	673
	TAMIL NADU	--	--	--	2257	992	947	508	980	1027	738	1032
	ALL INDIA	--	--	--	1990	1056	1167	572	1240	1194	434	1159
18.	GRAPHITE											
	JHARKHAND	--	--	--	1200	509	1000	--	1100	1000	--	864
	ORISSA	--	--	--	1024	529	538	--	758	499	421	572
	TAMIL NADU	--	--	--	6929	2732	1023	--	4393	--	--	2376
	ALL INDIA	--	--	--	1461	610	720	--	1147	770	421	732
19.	GYPSUM											
	GUJARAT	--	--	--	838	553	--	--	--	--	--	675
	JAMMU & KASHMIR	--	--	--	3331	1714	1120	--	--	3600	--	1758
	RAJASTHAN	--	--	--	5024	1279	2526	--	4314	2971	--	2827
	TAMIL NADU	--	--	--	--	--	--	--	--	--	--	--
	ALL INDIA	--	--	--	4842	1426	2423	--	4314	2985	--	2583
20.	IRON											
	ANDHRA PRADESH	--	--	--	1624	453	1031	--	967	2211	--	867
	CHHATTISGARH	--	--	--	6144	9138	7698	1071	4688	3731	1460	5898
	GOA	--	--	--	4144	1957	3142	1397	5547	4524	5601	3149
	JHARKHAND	--	--	--	4478	2966	6324	700	5352	3438	500	3640
	KARNATAKA	--	--	--	3855	2294	1896	668	2265	4575	953	2541
	MADHYA PRADESH	--	--	--	800	1230	--	--	--	--	--	1123
	MAHARASHTRA	--	--	--	2570	1028	995	--	1600	1184	--	1169
	ORISSA	--	--	--	3422	1582	2994	446	2181	2542	900	2087
	RAJASTHAN	--	--	--	1093	318	1810	--	674	564	--	633
	ALL INDIA	--	--	--	3900	2403	3246	1170	3513	3410	3831	3005

STATEMENT NO. 5.1 (CONTD)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
21. KYANITE												
	JHARKHAND	--	--	--	3708	1612	1620	--	1721	810	--	1567
	MAHARASHTRA	--	--	--	1735	547	--	--	1239	--	--	772
	ALL INDIA	--	--	--	2393	738	1620	--	1360	810	--	1132
22. LATERITE												
	ANDHRA PRADESH	--	--	--	590	428	--	--	900	--	--	587
	GUJARAT	--	--	--	908	--	5000	--	--	--	--	1590
	RAJASTHAN	--	--	--	4001	3052	485	--	2038	3215	--	2087
	ALL INDIA	--	--	--	2653	2921	595	--	1896	3215	--	2008
	ANDHRA PRADESH	--	--	--	3145	2061	3053	974	3575	2734	3146	2589
	ASSAM	--	--	--	1874	1187	852	--	1986	3750	--	1639
	BIHAR	--	--	--	2235	1672	2108	--	2704	2707	2562	2230
	CHHATTISGARH	--	--	--	4820	2939	3427	48	4939	4558	--	3890
	GUJARAT	--	--	--	4081	1317	3795	2897	2580	1106	1000	1711
	HIMACHAL PRADESH	--	--	--	1679	1123	897	933	3419	2883	360	1329
	HARYANA	--	--	--	1263	480	1002	--	950	850	--	952
	JHARKHAND	--	--	--	1625	1254	696	--	2831	2456	400	1759
	JAMMU & KASHMIR	--	--	--	7500	--	2828	--	6250	--	--	3157
	KARNATAKA	--	--	--	2422	2065	1708	579	3565	1775	1713	2077
	KERALA	--	--	--	818	604	1009	--	770	1367	--	1092
	MEGHALAYA	--	--	--	3830	1366	1872	--	3599	1502	--	1832
	MADHYA PRADESH	--	--	--	4472	1795	4631	--	6979	4020	1953	3255
	MAHARASHTRA	--	--	--	3649	2810	4814	323	6227	4361	--	3909
	ORISSA	--	--	--	2094	888	3055	--	2879	1959	8871	1646
	RAJASTHAN	--	--	--	2094	1090	1496	733	1947	1475	1069	1235
	TAMIL NADU	4052	3834	3216	2282	1516	2820	--	2024	2658	--	2000
	UTTARANCHAL	--	--	--	1160	870	998	--	700	706	--	907
	UTTAR PRADESH	--	--	--	4079	1735	6612	--	4830	--	--	3137
	ALL INDIA	4052	3834	3216	2759	1358	2431	616	3342	2422	1793	1920
24. MAGNESITE												
	JHARKHAND	--	--	--	--	--	--	--	--	--	--	--
	KARNATAKA	--	--	--	2777	1704	1813	4345	2279	1293	1000	1887
	TAMIL NADU	--	--	--	1886	1793	1254	1643	2225	1331	--	1753
	UTTARANCHAL	--	--	--	3229	2457	2276	--	3779	3734	3002	2769
	ALL INDIA	--	--	--	2109	1831	1580	2120	2358	2090	2922	1915
25. MANGANESE												
	ANDHRA PRADESH	--	--	--	1485	1083	791	1329	1184	1021	512	1051
	GOA	--	--	--	1299	635	1010	266	1259	937	1073	775
	JHARKHAND	--	--	--	552	865	1052	--	766	637	--	785
	KARNATAKA	--	--	--	2395	844	715	509	2275	1085	687	1069
	MADHYA PRADESH	4473	1895	2667	1557	448	514	408	3113	2038	513	2053
	MAHARASHTRA	5521	6003	6208	4661	4031	4269	2384	4903	3422	3917	4788
	ORISSA	--	--	--	3680	1213	1155	395	3926	1956	655	1631
	ALL INDIA	4973	3764	3899	2793	1308	1702	834	3140	2086	913	2202

STATEMENT NO. 5.1 (CONTD)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13

23.	LIMESTONE											
26.	MARBLE											
	GUJARAT	--	--	--	1058	1431	936	--	2383	1420	--	1455
	MADHYA PRADESH	--	--	--	6019	2676	--	--	2166	--	--	2535
	RAJASTHAN	--	--	--	1246	819	939	375	1007	841	83	904
	ALL INDIA	--	--	--	1396	1081	938	375	1235	1008	83	1074
27.	MICA											
	ANDHRA PRADESH	1298	901	688	1234	969	596	367	858	826	1090	856
	BIHAR	923	760	--	987	473	--	--	548	576	--	667
	JHARKHAND	1240	734	385	1325	1584	450	--	707	357	--	736
	ALL INDIA	1258	826	631	1188	942	594	367	763	749	1090	814
28.	OCHRE											
	ANDHRA PRADESH	--	--	--	900	600	--	--	--	--	--	700
	GUJARAT	--	--	--	748	539	658	--	--	--	--	563
	ALL INDIA	--	--	--	778	541	658	--	--	--	--	570
29.	QUARTZ											
	ANDHRA PRADESH	--	--	--	819	422	922	377	1287	556	390	492
	CHHATTISGARH	--	--	--	1180	607	500	500	1028	--	--	600
	HARYANA	--	--	--	625	490	--	--	--	--	--	522
	JHARKHAND	177	159	86	1250	1460	1014	--	268	756	--	205
	ORISSA	--	--	--	2986	600	1665	--	5040	--	--	1546
	RAJASTHAN	--	--	--	1888	963	1164	--	787	1800	--	1077
	TAMIL NADU	--	--	--	4177	1750	970	--	1250	--	--	1567
	ALL INDIA	177	159	86	1640	571	975	492	658	805	390	589
30.	SALT											
	HIMACHAL PRADESH	1693	741	972	--	--	--	--	1225	1174	--	997
	ALL INDIA	1693	741	972	--	--	--	--	1225	1174	--	997
31.	SANDSTONE											
	ANDHRA PRADESH	--	--	--	5000	835	5000	--	4333	--	--	1051
	GUJARAT	--	--	--	1080	--	--	--	1000	--	--	1040
	HARYANA	--	--	--	1148	--	--	--	--	--	--	1148
	JHARKHAND	--	--	--	1575	1014	--	--	1095	--	--	1094
	RAJASTHAN	--	--	--	1857	1984	1027	1050	1224	1231	--	1707
	ALL INDIA	--	--	--	1783	1522	1297	1050	1488	1231	--	1489
32.	SELENITE											
	RAJASTHAN	--	--	--	8249	529	--	--	5477	4079	--	2315
	ALL INDIA	--	--	--	8249	529	--	--	5477	4079	--	2315
33.	SILICA											
	ANDHRA PRADESH	--	--	--	943	558	616	307	710	--	--	595
	BIHAR	--	--	--	105	9300	--	--	10249	--	--	9016
	GUJARAT	--	--	--	954	--	--	--	--	--	--	954
	HARYANA	--	--	--	961	597	586	--	625	584	--	619
	KARNATAKA	--	--	--	2182	1770	370	--	--	--	--	1850
MAHARASHTRA		--	--	--	898	405	587	399	831	546	--	523
	RAJASTHAN	--	--	--	1521	598	812	--	817	806	705	743
	TAMIL NADU	--	--	--	3287	648	--	--	1254	1409	--	844
	UTTAR PRADESH	--	--	--	--	--	--	--	--	--	--	--
	ALL INDIA	--	--	--	1198	585	647	388	965	666	705	685

STATEMENT NO. 5.1 (CONTD)

SL. NO.	MINERAL / STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super- visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
34.	SILLIMANITE											
	KERALA	--	--	--	12229	6258	5937	--	6039	5111	3956	5643
	MAHARASHTRA	--	--	--	2301	999	2411	--	2470	1598	--	1298
	ORISSA	--	--	--	15788	8579	8579	--	8803	8579	--	8666
	TAMIL NADU	--	--	--	7066	--	1865	--	12486	5088	--	2770
	ALL INDIA	--	--	--	8592	5085	1976	--	7321	7010	3956	4714
35.	SLATE											
	HARYANA	--	--	--	1573	630	761	--	1661	975	540	750
	RAJASTHAN	--	--	--	151	509	--	--	500	--	--	482
	ALL INDIA	--	--	--	1431	622	761	--	1482	975	540	734
36.	STEATITE											
	ANDHRA PRADESH	1050	668	1007	511	637	688	723	491	864	--	651
	BIHAR	--	--	--	627	550	810	--	488	540	--	637
	JHARKHAND	--	--	--	3063	1005	831	--	900	--	--	1389
	MADHYA PRADESH	--	--	--	4181	1189	517	452	1847	441	832	835
	ORISSA	--	--	--	526	630	574	--	446	377	--	561
	RAJASTHAN	1847	740	1185	1443	752	1417	816	1008	1002	647	1041
	UTTARANCHAL	--	--	--	1136	565	695	1200	691	420	692	603
	UTTAR PRADESH	--	--	--	2408	--	446	446	2269	445	441	503
	ALL INDIA	1515	725	1109	1303	665	1160	614	914	748	634	839
37.	STONE											
	ANDHRA PRADESH	--	--	--	715	516	590	--	492	--	--	570
	ASSAM	--	--	--	1338	--	322	321	1191	329	325	362
	BIHAR	--	--	--	2562	958	540	--	1258	4333	--	1732
	GOA	--	--	--	1932	830	866	792	1317	1063	--	915
	HARYANA	--	--	--	1892	890	840	--	778	940	--	969
	JHARKHAND	--	--	--	938	613	691	413	980	613	435	679
	KARNATAKA	--	--	--	623	482	--	--	669	312	--	509
	MAHARASHTRA	--	--	--	1244	799	827	--	852	815	--	860
	ORISSA	--	--	--	1431	1105	680	--	850	1042	--	1088
	RAJASTHAN	--	--	--	1200	267	560	--	--	--	--	512
	TAMIL NADU	--	--	--	1176	654	607	--	1491	700	--	718
	UTTAR PRADESH	--	--	--	3335	1600	743	--	1370	845	--	1262
	WEST BENGAL	--	--	--	1093	871	987	--	1340	1327	362	1099
	ALL INDIA	--	--	--	1177	745	761	403	974	850	421	818
38.	VERMICULITE											
	TAMIL NADU	--	--	--	3892	2056	--	--	2983	2507	--	2363
	ALL INDIA	--	--	--	3892	2056	--	--	2983	2507	--	2363
39.	WOLLASTONITE											
	RAJASTHAN	--	--	--	2156	659	1525	503	1896	862	485	984
	ALL INDIA	--	--	--	2156	659	1525	503	1896	862	485	984
40.	DUNITE											
	KARNATAKA	--	--	--	956	683	--	--	--	--	--	820
	ALL INDIA	--	--	--	956	683	--	--	--	--	--	820
ALL INDIA (NON-COAL)		4528	3252	2848	2599	1482	2231	772	3012	2813	1289	2144

STATEMENT NO. 5.2
Trend in Index of Labour Earnings in Non-coal Mine (Base Year : 1975 = 100)

MINERAL / STATE	2003	2004	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7	8	9
BAUXITE								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISGARH	1606.99	1726.15	1558.71	1573.17	1637.46	1888.55	1987.59	2444.42
GUJARAT	1447.50	1453.77	1457.85	1474.92	1482.58	1575.11	2166.05	2555.85
JHARKHAND	2136.82	2898.62	2975.66	3000.06	3819.00	4179.22	4524.15	4673.91
MADHYA PRADESH	1534.80	1568.77	1498.33	1498.79	1498.79	1467.11	1825.46	1883.73
ALL INDIA	1699.21	1941.66	1889.20	1902.27	2132.36	2303.85	2610.43	2858.00
CHINA CLAY,CLAY ETC.								
BIHAR	--	--	--	--	--	--	--	--
GUJARAT	1990.19	2433.42	2894.53	2936.66	2895.09	2991.17	3018.24	3018.24
JHARKHAND	2194.96	2460.84	2494.95	2809.57	2669.81	2716.65	3097.43	3097.43
ALL INDIA	2128.41	2451.93	2624.81	2850.87	2743.03	2805.87	3071.69	3071.69
CHROMITE								
ORISSA	1795.03	2069.53	2148.03	2078.23	2272.56	2300.13	2478.98	2458.10
ALL INDIA	1795.03	2069.53	2148.03	2078.23	2272.56	2300.13	2478.98	2458.10
COPPER								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	2103.21	2103.21	2103.21	--	--	--	--	--
RAJASTHAN	1905.71	2061.30	2003.44	2152.21	2322.13	2832.65	4121.27	4121.27
ALL INDIA	2039.16	2089.62	2070.85	2152.21	2322.13	2832.65	4121.27	4121.27
DOLOMITE								
CHHATTISGARH	705.71	705.71	791.65	--	1575.33	1575.33	5642.83	5642.83
GUJARAT	--	--	--	--	--	--	--	--
MADHYA PRADESH	6374.53	675.86	1132.25	1489.20	1419.40	1426.69	1430.00	1430.00
ORISSA	697.36	697.36	620.97	620.97	1290.57	1750.41	2216.35	2216.35
ALL INDIA	2781.17	691.99	899.30	1219.68	1459.37	1546.83	3293.88	3293.88
FIRE-CLAY								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	1407.70	1407.70	1407.70	--	--	--	--	--
MADHYA PRADESH	--	1961.42	1961.42	--	--	--	--	--
ORISSA	1031.74	1054.83	1079.46	1115.89	971.48	869.97	881.16	881.16
ALL INDIA	1221.59	1464.51	1472.83	1115.89	971.48	869.97	881.16	881.16
GALENA & SPHALERITE								
RAJASTHAN	1798.92	683.21	1590.53	1626.31	2269.26	2497.11	3924.88	3924.88
ALL INDIA	1798.92	683.21	1590.53	1626.31	2269.26	2497.11	3924.88	3924.88
GOLD								
KARNATAKA	1403.92	1403.92	1401.55	1407.61	1407.61	1428.38	1428.38	1428.38
ALL INDIA	1403.92	1403.92	1401.55	1407.61	1407.61	1428.38	1428.38	1428.38
GYPSUM								
RAJASTHAN	1304.37	1379.18	1463.51	1479.73	2241.12	3261.73	3977.83	3977.83
TAMIL NADU	--	--	--	--	--	--	--	--
ALL INDIA	1304.37	1379.18	1463.51	1479.73	978.70	1424.40	1737.12	1737.12

STATEMENT NO. 5.2 (CONTD)

MINERAL / STATE	2003	2004	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7	8	9
IRON								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISGARH	2537.60	2591.97	2619.00	--	3674.26	4735.94	7055.98	13170.90
GOA	1907.95	1949.01	1951.46	2000.25	1996.99	2861.85	2976.27	4150.50
JHARKHAND	1735.10	1642.85	1631.61	1924.88	3571.46	3485.90	3377.39	3951.57
KARNATAKA	2147.59	2247.26	2284.08	2383.96	2551.42	2556.10	3701.65	5633.78
MADHYA PRADESH	--	--	--	--	--	684.88	1441.79	1441.79
ORISSA	1574.73	1625.56	1566.71	1801.98	1857.24	2408.25	2924.51	3435.23
ALL INDIA	2040.42	2077.22	2075.07	1987.55	2819.53	2736.33	3717.81	5716.94
LIMESTONE								
BIHAR	1675.85	1675.85	1763.93	1784.53	1853.30	1925.82	1925.82	2777.68
CHHATTISGARH	2032.40	1957.18	1970.33	2223.56	2304.19	2671.62	3654.57	4668.70
JHARKHAND	1217.51	1283.71	1610.73	1717.18	1763.88	2308.84	2913.92	1901.42
MADHYA PRADESH	1480.09	1369.33	1497.10	1578.33	1923.85	2470.90	3035.73	3731.96
ORISSA	800.95	803.69	810.79	--	139.45	1107.60	1336.59	1565.89
RAJASTHAN	1512.22	1338.71	1618.49	1642.05	1426.82	1707.24	1974.69	2259.82
TAMIL NADU	1267.92	1246.78	1544.18	1454.35	1424.91	1559.00	1466.83	1491.41
ALL INDIA	1426.53	1382.92	1525.31	1763.09	1534.04	1990.57	2397.50	2739.53
MAGNESITE								
TAMIL NADU	2157.77	2548.02	2517.73	2563.45	2563.45	3646.95	3845.34	3271.89
ALL INDIA	2157.77	2548.02	2517.73	2563.45	2563.45	3646.95	3845.34	3271.89
MANGANESE								
KARNATAKA	1636.58	1512.10	1601.14	1665.40	1697.63	2258.31	2135.49	2513.31
MADHYA PRADESH	1573.26	1561.16	1573.95	1576.72	2949.16	2404.68	4705.25	2675.18
MAHARASHTRA	2508.35	2462.15	2581.24	2646.31	3811.62	4680.50	9686.50	10640.20
ORISSA	1564.37	1461.50	1478.80	1867.08	1876.24	1904.58	2675.24	2898.83
ALL INDIA	1755.30	1685.86	1737.67	1867.38	2518.78	2649.33	4446.52	4132.49
MICA								
ANDHRA PRADESH	1610.59	1623.79	1702.20	1726.07	1776.53	2101.17	2950.28	3476.93
BIHAR	--	82.68	--	--	--	--	1424.38	1426.98
JHARKHAND	1049.39	1049.39	1049.39	1226.16	1226.16	1196.81	1143.00	1634.45
RAJASTHAN	--	--	--	--	--	--	--	--
ALL INDIA	1215.84	750.21	1243.01	1374.43	1389.40	1465.04	1573.88	1869.59
STEATITE								
RAJASTHAN	1724.13	1879.11	1893.54	1937.68	1942.00	2102.03	2517.22	2805.25
ALL INDIA	1724.13	1879.11	1893.54	1937.68	1942.00	2102.03	2517.22	2805.25
STONE								
BIHAR	1403.95	1403.95	1403.95	--	--	1585.99	5886.80	5886.80
GUJARAT	1232.99	1232.99	1232.99	--	--	--	--	--
JHARKHAND	1784.43	1763.06	1707.61	1714.21	2041.67	2032.69	2667.88	2520.03
MAHARASHTRA	1131.22	1132.68	1135.44	1139.58	1177.29	1199.92	1295.60	1295.60
ALL INDIA	1468.35	1461.21	1442.53	1564.94	1817.14	1718.37	3832.27	3769.38
ALL INDIA (METALLIFEROUS)	1756.58	1697.16	1783.23	1848.27	2151.50	2327.76	3158.30	3757.70

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