



# STATISTICS OF MINES IN INDIA

## VOLUME -II - (NON-COAL)

### 2012



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**

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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। ऑकड़े जो वर्ष 2012 के लिए इस प्रकाशन में प्रस्तुत किए गये 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 हैं।

इस खंड में आउटपुट 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 सारणी, हैवी 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 2012 के दौरान धातु एवं तेल के खानों में घटित प्रत्येक प्राणघातक दुर्घटना के संबंध में डी.जी.एम.एस. के अधिकारियों द्वारा सम्पादित जॉच 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 जॉच न्यायालयों की अद्यतन सूची को भी शामिल किया गया है।

चूंकि 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 भिज्ञ हैं तथा इस क्षेत्र के कवरेज को बढ़ाने का प्रयास कर रहे हैं। इसकी सीमाबद्धता के बावजूद अशा 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।

जून, 2015  
धनबाद।

१.३१  
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 2012 are in respect of metalliferous and oil mines only and are based on returns received under Regulation 5 of the Metalliferous Mines Regulations, 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, 2012. 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 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.

June, 2015  
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, 2012.

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 2012, annual returns have been processed for 2148 returns of non-coal mines out of which 85 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 2012.

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 Andhra Pradesh available in state-wise tables includes that of the state Telangana also. The state Telengana was not formed during 2012.  
 2. Statements where the word “trend” is not mentioned in the heading relate to the year 2012 only.  
 3. Statements which do not show mineral-wise figures are marked with an asterisk (\*).

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*Notes:* 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also. The state Telengana was not formed during 2012.  
 2. Statements where the word “trend” is not mentioned in the heading relate to the year 2012 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	Opcast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bauxite	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	2011	94	--	5,805	954	6,759	13,697	5,626
	2012	115		6,305	1123	7,428	16,808	7,124
Copper	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	2,899	3,944	3,480
	2011	5	1,825	250	1,203	3,278	3,655	3,759
	2012	6	2,099	229	1454	3,782	3,437	3,770
Galena & Sphalarite	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
	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
	2011	12	1,316	708	1,971	3,995	13,499	13,968
	2012	13	1,368	708	1983	4,059	8,590	9,082

**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	Opcast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Gold	1961\$	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
	2011	5	1,585	--	1,524	3,109	697,000	3,137
	2012	5	1,645	--	1,545	3,190	682,725	3,220
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
	2011	220	--	8,062	2,336	10,398	1,786	15,474
	2012	241	--	8,881	2,579	11,460	3,949	22,026
Iron Ore	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	41,781	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
	2011	342	--	28,882	23,775	52,657	252,173	258,055
	2012	362	--	29,998	25,292	55,290	250,106	263,969
Limestone	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

**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	Opcast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2000	452	--	22,704	8,424	31,128	148,804	12,046
	2001	422	--	18,294	5,982	24,276	147,345	11,356
	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
	2011	455	--	22,527	6,094	28,621	3,13,862	47,357
	2012	517	4	23,770	6,357	30,131	3,67,725	74,526
Manganese Ore	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
	2011	129	2,866	7,918	5026	15,810	6,084	14,897
	2012	132	2,880	8,174	5,405	16,459	6,770	17,873
Mica	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
	2011	29	287	199	177	663	24,414	116
	2012	27	233	164	175	572	12,412	100
Stone	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

**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	Opcast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Copper	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
	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
	2011	167	--	4,934	2,124	7,058	37,270	3,276
	2012	181	--	5,010	2,192	7,202	37,001	3,163
Total	1961	2,323	32,156	164,470	63,095	259,721	--	487
Metalliferous	1971	1,995	26,952	152,809	55,151	234,912	--	1,080
Iron ore	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	140,917	--	133,418
	2006	1,720	7,814	88,673	46,885	143,372	--	162,160
	2007	1,770	8,539	94,934	48,250	151,723	--	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
	2011	1,956	9,783	104,665	58,327	172,775	--	419,109
	2012	2,148	9,590	108,965	61,556	180,111	--	448,843
Oil	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

**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	Opcast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
							12,788(GS)	35,434
	2009	75	--	--	24,895	24,895	17,534	306,800
							15,454(GS)	44,851
	2010	82	--	--	29,443	29,443	22,817	345,904
							15,449(GS)	58,897
	2011	85	--	--	27,347	27,347	18,949	321,355
							18,266 (GS)	78,042
Non-coal	2012	86	--	--	22,798	22,798	17,678	492,060
							19,394(GS)	103,181
	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
	2011	2,041	9,783	104,665	85,674	200,112	--	818,504
	2012	2,233	9,590	108,965	84,345	202,909	--	104,4085

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 2012 : 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						OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.			
		SUBMITTING RETURNS	USING MECH. POWER	BELLOW- GROUND	BELLOW 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
<b>1. APATITE &amp; ROCK PHOSPHATE</b>															
ANDHRA PRADESH	Vishakapatnam	1	1	1	27	--	12	39	32	7	--	--	3765	7831	
MADHYA PRADESH	Jhabua	1	--	--	--	163	8	171	115	56	--	--	154074	186195	
	Tikamgarh	1	1	--	--	39	3	42	26	16	--	--	11004	21556	
<b>TOTAL : MADHYA PRADESH</b>		<b>2</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>202</b>	<b>11</b>	<b>213</b>	<b>141</b>	<b>72</b>	<b>--</b>	<b>--</b>	<b>165078</b>	<b>207751</b>	
RAJASTHAN	Udaipur	4	3	--	--	772	432	1204	1186	18	--	550	51	1688922	8512851
UTTARANCHAL	Dehradun	3	3	2	67	--	229	296	296	--	--	--	--	Nil	Nil
WEST BENGAL	Purulia	1	1	--	--	76	25	101	98	3	--	--	--	Nil	Nil
<b>TOTAL : APATITE &amp; ROCK PHOSPHA</b>		<b>11</b>	<b>9</b>	<b>3</b>	<b>94</b>	<b>1050</b>	<b>709</b>	<b>1853</b>	<b>1753</b>	<b>100</b>	<b>--</b>	<b>550</b>	<b>51</b>	<b>1857765</b>	<b>8728433</b>
<b>2. ASBESTOS</b>															
ANDHRA PRADESH	Cuddapah	4	3	2	43	76	15	134	134	--	23	--	16658 117 (PR) 117 (PR)	134107 516 516	
<b>TOTAL : ASBESTOS</b>		<b>4</b>	<b>3</b>	<b>2</b>	<b>43</b>	<b>76</b>	<b>15</b>	<b>134</b>	<b>134</b>	<b>--</b>	<b>23</b>	<b>--</b>	<b>16658 117 (PR)</b>	<b>134107 516</b>	
<b>3. BARYTES</b>															
Cuddapah		3	2	1	9	277	242	528	451	77	--	239	122	3557 1646531 (LM) 16590 (PR)	13327 5326883 53353
Khammam		1	1	--	--	29	3	32	32	--	--	--	--	5325	2130
<b>TOTAL : ANDHRA PRADESH</b>		<b>4</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>306</b>	<b>245</b>	<b>560</b>	<b>483</b>	<b>77</b>	<b>--</b>	<b>239</b>	<b>122</b>	<b>8882 1646531 (LM) 16590 (PR)</b>	<b>15457 5326883 53353</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T B/G	L A B O U R O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>HIMACHAL PRADESH</b>															
	Sirmaur	1	1	1	16	--	--	16	16	--	--	--	--	588	882
<b>RAJASTHAN</b>															
	Udaipur	1	1	--	--	11	6	17	17	--	--	--	--	5820	2619
<b>TOTAL : BARYTES</b>		6	5	2	25	317	251	593	516	77	--	239	122	15290 1646531 (LM) 16590 (PR)	18958 5326883 53353
<b>4. BAUXITE</b>															
<b>CHHATTISHGARH</b>															
	Surguja	8	7	--	--	1473	133	1606	1551	55	--	1385	50	1590945 999670 113515 (PR)	817793 552818 13668
	Kabirdham	2	1	--	--	602	32	634	634	--	--	492	10	999670 113515 (PR)	552818 13668
<b>TOTAL : CHHATTISHGARH</b>		10	8	--	--	2075	165	2240	2185	55	--	1877	60	2590615 113515 (PR)	1370610 13668
<b>GUJARAT</b>															
	Jamnagar	22	4	--	--	208	62	270	238	32	--	69	21	814279 173826 (PR)	143572 50919
	Kutch	14	14	--	--	415	23	438	305	133	--	376	17	952055	816767
<b>TOTAL : GUJARAT</b>		36	18	--	--	623	85	708	543	165	--	445	38	1766334 173826 (PR)	960339 50919
<b>JHARKHAND</b>															
	Gumla	13	8	--	--	1190	121	1311	1310	1	--	647	40	1392376	559280
	Lohardaga	7	5	--	--	464	203	667	666	1	--	363	4	962840	436132
	Palamau	1	--	--	--	6	6	6	6	--	--	--	--	Nil	Nil
	LATEHAR	1	1	--	--	76	4	80	80	--	--	74	2	62425	32987
<b>TOTAL : JHARKHAND</b>		22	14	--	--	1730	334	2064	2062	2	--	1084	46	2417641	1028399
<b>KARNATAKA</b>															
	Belgaum	1	1	--	--	22	9	31	31	--	--	--	--	62600 (PR)	21910
	Udipi	1	1	--	--	8	3	11	9	2	--	--	--	Nil	Nil
<b>TOTAL : KARNATAKA</b>		2	2	--	--	30	12	42	40	2	--	--	--	Nil 62600 (PR)	Nil 21910
<b>MADHYA PRADESH</b>															
	Chhatarpur	1	--	--	--	27	2	29	19	10	--	--	--	1929	77
	Jabalpur	2	--	--	--	183	5	188	117	71	--	129	--	110334	51356
	Rewa	3	--	--	--	67	--	67	67	--	--	--	--	109655	38077
	Satna	3	--	--	--	42	9	51	45	6	--	3	--	52750	7818
	Shivpuri	Employment with Steatite												834	2085
	Katni	2	--	--	--	73	4	77	53	24	--	--	--	14835	632
	Anuppur	2	2	--	--	327	31	358	358	--	--	--	--	287040	81672
<b>TOTAL : MADHYA PRADESH</b>		13	2	--	--	719	51	770	659	111	--	132	--	577377	181717

**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						
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G				
1	2														16		
	MAHARASHTRA																
	Kolhapur	8	7	--	--	276	43	319	283	36	--	89	22	2768128	438445		
	Ratnagiri	4	1	--	--	35	29	64	64	--	--	22	4	604108	221687		
	Raigad	9	5	--	--	165	3	168	168	--	--	114	--	494150	245413		
	TOTAL : MAHARASHTRA	21	13	--	--	476	75	551	515	36	--	225	26	3866386	905545		
	ORISSA																
	Koraput	2	2	--	--	377	366	743	742	1	--	142	208	4846533	2459444		
	Sundergarh	2	--	--	--	7	4	11	10	1	--	1	--	67270	29821		
	Rayagada	1	1	--	--	27	1	28	28	--	--	26	--	Nil	Nil		
	TOTAL : ORISSA	5	3	--	--	411	371	782	780	2	--	169	208	4913803	2489265		
	TAMIL NADU																
	Salem	2	--	--	--	22	11	33	33	--	--	3	5	305261	87594		
	UTTAR PRADESH																
	Jhansi	1	--	--	--	19	1	20	13	7	--	--	--	100	4		
	Lalitpur	3	1	--	--	200	18	218	176	42	--	--	--	4235	9613		
	TOTAL : UTTAR PRADESH	4	1	--	--	219	19	238	189	49	--	--	--	4335	9617		
														16597 (PR)	4171		
	TOTAL : BAUXITE	115	61	--	--	6305	1123	7428	7006	422	--	3935	383	16441752	7033086		
														366538 (PR)	90668		
	5. CALCITE																
	RAJASTHAN																
	Sikar	1	1	--	--	297	98	395	323	72	--	31	--	93695	58317		
	Sirohi	1	1	--	--	332	114	446	363	83	--	53	--	130033	69078		
	Udaipur	1	1	--	--	14	3	17	17	--	--	--	--	14999	5100		
	TOTAL : RAJASTHAN	3	3	--	--	643	215	858	703	155	--	84	--	238727	132495		
	TOTAL : CALCITE	3	3	--	--	643	215	858	703	155	--	84	--	238727	132495		
	6. CHINA CLAY,CLAY,WHITE-CLAY																
	ANDHRA PRADESH																
	Anantpur	1	--	--	--	21	--	21	21	--	--	--	--	17920	717		
	Cuddapah	2	--	--	--	82	1	83	51	32	--	--	--	75570	8376		
	Krishna					Employment with Limestone								13100	1826		
	Kurnool	1	--	--	--	11	--	11	11	--	--	--	--	625	56		
	West Godavari	2	1	--	--	29	3	32	32	--	--	--	--	11100	7994		
														36910 (PR)	34		
	TOTAL : ANDHRA PRADESH	6	1	--	--	143	4	147	115	32	--	--	--	118315	18969		
														36910 (PR)	34		

**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						
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G				
1	2														16		
<b>GUJARAT</b>																	
Amreli		2	2	--	--	10	--	10	10	--	--	--	--	2223650	300938		
Banas Kantha		2	--	--	--	36	--	36	36	--	--	--	--	72121	7212		
Junagadh		Employment with Limestone												728528	257048		
Kutch		14	--	--	--	240	8	248	248	--	--	65	--	55075	14315		
Mehasana		2	1	--	--	--	17	17	17	--	--	--	--	22600	26103		
Sabar Kantha		1	1	--	--	1	17	18	18	--	--	--	--	6320 (FN)	7300		
Patan		5	--	--	--	90	--	90	90	--	--	--	--	18689	32643		
														5534 (PR)	9131		
														82320	9435		
<b>TOTAL : GUJARAT</b>		<b>26</b>	<b>4</b>	--	--	<b>377</b>	<b>42</b>	<b>419</b>	<b>419</b>	--	--	<b>65</b>	--	<b>3202983</b>	<b>647693</b>		
														6320 (FN)	7300		
														5534 (PR)	9131		
<b>HARYANA</b>																	
Gurgaon		2	--	--	--	50	16	66	66	--	--	11	7	86592	4661		
<b>JHARKHAND</b>																	
Sahibganj		3	3	--	--	98	330	428	346	82	--	--	--	75165	7742		
West Singhbhum		7	4	--	--	43	96	139	103	36	--	--	2	52776 (PR)	9915		
														43622	16460		
														285 (FN)	549		
														9045 (PR)	3967		
<b>TOTAL : JHARKHAND</b>		<b>10</b>	<b>7</b>	--	--	<b>141</b>	<b>426</b>	<b>567</b>	<b>449</b>	<b>118</b>	--	--	<b>2</b>	<b>118787</b>	<b>24202</b>		
														285 (FN)	549		
														61821 (PR)	13883		
<b>KARNATAKA</b>																	
Hassan		1	1	--	--	18	29	47	41	6	--	--	--	21673	11369		
Shimoga		1	1	--	--	14	11	25	25	--	--	--	--	12130 (PR)	3730		
Tumkur		1	--	--	--	15	2	17	13	4	--	--	--	25860 (PR)	7229		
<b>TOTAL : KARNATAKA</b>		<b>3</b>	<b>2</b>	--	--	<b>47</b>	<b>42</b>	<b>89</b>	<b>79</b>	<b>10</b>	--	--	--	<b>21673</b>	<b>11369</b>		
														37990 (PR)	10960		
<b>KERALA</b>																	
Kannur		5	3	--	--	104	207	311	142	169	--	--	--	40363	34534		
														1864 (PR)	564		
Trivandrum		6	6	--	--	70	67	137	127	10	--	32	--	453318	68622		
Kollam		1	1	--	--	4	93	97	82	15	--	1	--	5839	724		
Kasaragod		1	1	--	--	9	25	34	16	18	--	--	--	6923	858		
<b>TOTAL : KERALA</b>		<b>13</b>	<b>11</b>	--	--	<b>187</b>	<b>392</b>	<b>579</b>	<b>367</b>	<b>212</b>	--	<b>33</b>	--	<b>506443</b>	<b>104737</b>		
														1864 (PR)	564		
<b>MADHYA PRADESH</b>																	
Katni		Employment with Limestone												313575	91464		
<b>ORISSA</b>																	
Mayurbhanj		1	1	--	--	43	16	59	27	32	--	--	--	7341 (PR)	2872		

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>RAJASTHAN</b>																	
	Bikaner	20	2	--	--	257	76	333	324	9	--	--	1	754503 79289 (PR)	344481 10092		
	Jaipur	2	2	--	--	50	16	66	52	14	--	--	--	90550	21338		
	Nagaur	1	--	--	--	1	--	1	1	--	--	--	--	75	33		
<b>TOTAL : RAJASTHAN</b>		23	4	--	--	308	92	400	377	23	--	--	1	845128 79289 (PR)	365852 10092		
<b>WEST BENGAL</b>																	
	Birbhum	6	3	--	--	223	206	429	399	30	--	--	--	91418 12983 (LM) 18215 (PR) 12983 (LM) 18215 (PR)	22953 12204 1730 12204 1730		
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>		91	34	--	--	1530	1239	2769	2312	457	--	109	10	5304914 6605 (FN) 12983 (LM) 248964 (PR)	1291899 7848 12204 49266		
<b>7. CHROMITE</b>																	
<b>KARNATAKA</b>																	
	Hassan	4	3	1	66	101	135	302	238	64	--	25	--	12068	22001		
<b>ORISSA</b>																	
	Dhenkanal	2	2	1	145	1	192	338	337	1	--	--	--	25479	20394		
	Keonjhar	5	4	4	551	4	603	1158	888	270	--	--	--	110546 17202 (PR)	30383 55623		
	Jajpur	16	14	1	50	3232	3492	6774	6447	327	37	1226	1820	1905079 118112 (FN) 120585 (LM) 285543 (PR)	7240793 114750 644850 454786		
<b>TOTAL : ORISSA</b>		23	20	6	746	3237	4287	8270	7672	598	37	1226	1820	2041104 118112 (FN) 120585 (LM) 302745 (PR)	7291569 114750 644850 510409		
<b>TOTAL : CHROMITE</b>																	
		27	23	7	812	3338	4422	8572	7910	662	37	1251	1820	2053172 118112 (FN) 120585 (LM) 302745 (PR)	7313570 114750 644850 510409		

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T L A B O U R	B/G	O/C	A/G		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>8. COPPER</b>																
JHARKHAND																
West Singhbhum		3	3	3	1304	--	401	1705	1704	1	--	--	--	402620	461986	
MADHYA PRADESH																
Balaghat		1	1	--	--	229	133	362	362	--	--	--	--	2076301	1894832	
RAJASTHAN																
Jhunjhunu		2	2	2	795	--	920	1715	1705	10	206	--	583	957745	1413279	
<b>TOTAL : COPPER</b>		<b>6</b>	<b>6</b>	<b>5</b>	<b>2099</b>	<b>229</b>	<b>1454</b>	<b>3782</b>	<b>3771</b>	<b>11</b>	<b>206</b>	--	<b>583</b>	<b>3436666</b>	<b>3770098</b>	
<b>9. DIAMOND</b>																
MADHYA PRADESH																
Panna		1	1	--	--	26	74	100	98	2	--	--	--	131143	347936	
<b>TOTAL : DIAMOND</b>		<b>1</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>26</b>	<b>74</b>	<b>100</b>	<b>98</b>	<b>2</b>	--	--	--	<b>131143</b>	<b>347936</b>	
<b>10. DOLOMITE</b>																
ANDHRA PRADESH																
Anantpur		1	--	--	--	13	--	13	13	--	--	--	--	15405	2610	
Khammam		1	1	--	--	62	145	207	207	--	--	--	--	82 (PR)	23	
Kurnool		5	2	--	--	241	2	243	243	--	--	90	2	516440 (PR)	241800	
<b>TOTAL : ANDHRA PRADESH</b>		<b>7</b>	<b>3</b>	<b>--</b>	<b>--</b>	<b>316</b>	<b>147</b>	<b>463</b>	<b>463</b>	--	--	90	2	618280	83649	
<b>TOTAL : ANDHRA PRADESH</b>		<b>7</b>	<b>3</b>	<b>--</b>	<b>--</b>	<b>316</b>	<b>147</b>	<b>463</b>	<b>463</b>	--	--	90	2	633685	86258	
<b>TOTAL : ANDHRA PRADESH</b>		<b>7</b>	<b>3</b>	<b>--</b>	<b>--</b>	<b>316</b>	<b>147</b>	<b>463</b>	<b>463</b>	--	--	90	2	516522 (PR)	241823	
CHHATTISGARH																
Bilaspur		6	6	--	--	552	620	1172	1109	63	--	126	91	2756987	898956	
Janjgir(champa)		5	3	--	--	152	26	178	178	--	--	--	--	321110	101206	
<b>TOTAL : CHHATTISGARH</b>		<b>11</b>	<b>9</b>	<b>--</b>	<b>--</b>	<b>704</b>	<b>646</b>	<b>1350</b>	<b>1287</b>	<b>63</b>	--	<b>126</b>	<b>91</b>	<b>3078097</b>	<b>1000161</b>	
HIMACHAL PRADESH																
Mandi		Employment with Limestone and China Clay,clay,white-clay												4000	1516	
JHARKHAND																
Garhwa		1	1	--	--	250	44	294	294	--	--	243	9	276077	214220	
KARNATAKA																
Belgaum		1	--	--	--	7	2	9	9	--	--	--	--	36915	5223	
Bijapur		1	--	--	--	36	9	45	25	20	--	--	--	23506	11325	
Tumkur		7	1	--	--	99	7	106	74	32	--	--	--	1500	1164	
Bagalkot														154958	35032	
<b>TOTAL : KARNATAKA</b>		<b>9</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>142</b>	<b>18</b>	<b>160</b>	<b>108</b>	<b>52</b>	--	--	--	<b>216879</b>	<b>52744</b>	

**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							B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	MADHYA PRADESH														
	Balaghat	1	1	--	--	225	--	225	118	107	--	--	--	4050	1483
	Mandla	1	--	--	--	15	1	16	14	2	--	12	1	21380	80165
	Katni	1	--	--	--	28	3	31	16	15	--	--	--	1080	11
	TOTAL : MADHYA PRADESH	3	1	--	--	268	4	272	148	124	--	12	1	26510	81659
	MAHARASHTRA														
	Chandrapur	1	1	--	--	13	9	22	22	--	--	11	8	97963 (PR)	27727
	Nagpur	2	2	--	--	38	25	63	57	6	--	--	--	15244	3436
	Yavatmal	1	1	--	--	17	4	21	21	--	--	--	--	81209	20302
	TOTAL : MAHARASHTRA	4	4	--	--	68	38	106	100	6	--	11	8	96453 97963 (PR)	23739 27727
	ORISSA														
	Sundergarh	4	2	--	--	212	274	486	418	68	--	164	223	880589	526756
	RAJASTHAN														
	Rajsamand													67114	10067
	WEST BENGAL														
	Jalpaiguri	1	--	--	--	--	31	31	31	--	--	--	--	Nil	Nil
	TOTAL : DOLOMITE	40	21	--	--	1960	1202	3162	2849	313	--	646	334	5279404 614485 (PR)	1997121 269549
11.	FELSPAR														
	ANDHRA PRADESH														
	Mahboob Nagar	2	--	--	--	41	3	44	44	--	--	--	--	25320	6380
	Nellore	5	3	1	24	109	15	148	123	25	--	--	--	462245 30332 (PR)	98759 52826
	TOTAL : ANDHRA PRADESH	7	3	1	24	150	18	192	167	25	--	--	--	487565 30332 (PR)	105139 52826
	KARNATAKA														
	Bangalore	1	--	--	--	3	1	4	4	--	--	--	--	Nil	Nil
	Mysore	1	--	--	--	10	7	17	--	17	--	--	--	265	56
	TOTAL : KARNATAKA	2	--	--	--	13	8	21	4	17	--	--	--	265	56
	RAJASTHAN														
	Bhilwara													24989	5489
	TAMIL NADU														
	Tirrupur													22 78 (PR)	8 189
	Namakkal														
	TOTAL : TAMIL NADU													22 78 (PR)	8 189

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
WEST BENGAL															
	Birbhum	1	--	--	--	15	2	17	17	--	--	14	--	668 2708 (LM) 2708 (LM)	207 1312 1312
TOTAL : FELSPAR		10	3	1	24	178	28	230	188	42	--	14	--	513509 2708 (LM) 30410 (PR)	110899 1312 53016
12. FIRE-CLAY															
ANDHRA PRADESH															
	East Godavari	2	--	--	--	21	2	23	23	--	--	--	--	3503	318
GUJARAT															
	Kutch	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	--	--	67	17	84	84	--	--	--	--	16698	4208
	Sundergarh	1	--	--	--	20	--	20	20	--	--	--	--	6360	1049
	Bargarh	1	--	--	--	19	--	19	19	--	--	--	--	981	234
TOTAL : ORISSA		7	1	--	--	134	18	152	152	--	--	--	--	24919	6023
RAJASTHAN															
	Bikaner	11	--	--	--	143	12	155	143	12	--	--	--	547511	60189
TAMIL NADU															
	Perambalur	2	--	--	--	25	--	25	8	17	--	--	--	20810	4936
	Cuddalore	1	--	--	--	43	--	43	43	--	--	--	--	33009	4724
TOTAL : TAMIL NADU		3	--	--	--	68	--	68	51	17	--	--	--	53819	9660
WEST BENGAL						Employment with China Clay,clay,white-clay								17905	1164
	Birbhum	1	--	--	--	32	2	34	34	--	--	--	--	760	151
TOTAL : WEST BENGAL		1	--	--	--	32	2	34	34	--	--	--	--	18665	1315
TOTAL : FIRE-CLAY		29	1	--	--	492	38	530	485	45	--	18	--	691285	80290

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>13. FLUORITE</b>															
GUJARAT															
Vadodara (Baroda)		1	1	--	--	29	3	32	32	--	--	--	--	Nil	Nil
MAHARASHTRA															
Chandrapur		1	--	--	--	47	5	52	37	15	--	--	--	273 31 (FN) 2899 (LM)	162 18 1716
TOTAL : FLUORITE		2	1	--	--	76	8	84	69	15	--	--	--	273 31 (FN) 2899 (LM)	162 18 1716
<b>14. GALENA &amp; SPHALARITE</b>															
ANDHRA PRADESH															
Guntur		1	1	1	10	--	30	40	40	--	8	--	30	1079	811
RAJASTHAN															
Bhilwara		2	2	1	129	708	1078	1915	1897	18	129	489	673	6138949	6283864
Udaipur		7	6	3	347	--	538	885	836	49	--	--	--	755313	869219
Rajsamand		2	2	2	824	--	282	1106	1091	15	294	--	12	1694807	1929087
TOTAL : RAJASTHAN		12	11	7	1358	708	1953	4019	3937	82	472	489	740	8589069	9082171
TOTAL : GALENA & SPHALARITE		13	12	8	1368	708	1983	4059	3977	82	480	489	770	8590148	9082982
<b>15. GARNET</b>															
ANDHRA PRADESH															
Srikakulam		2	--	--	--	38	38	76	66	10	--	37	--	156329	14902
ORISSA															
Ganjam			Employment with Sillimanite											24011 (PR)	127572
TAMIL NADU															
Kanyakumari		1	--	--	--	1002	--	1002	1002	--	--	998	--	417427	284038
Tirunelveli		4	--	--	--	100	20	120	98	22	--	14	--	284675	365684
TOTAL : TAMIL NADU		5	--	--	--	1102	20	1122	1100	22	--	1012	--	702102	649722
TOTAL : GARNET		7	--	--	--	1140	58	1198	1166	32	--	1049	--	858431 24011 (PR)	664624 127572

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>16. GOLD</b>															
JHARKHAND															
East Singhbhum		1	1	1	36	--	16	52	52	--	--	--	--	5052	22367
KARNATAKA															
Raichur		3	3	3	1602	--	1514	3116	2980	136	13	--	7	677673	3197830
UTTARANCHAL															
Pithoragarh(left side)		1	1	1	7	--	15	22	22	--	--	--	--	Nil	Nil
<b>TOTAL : GOLD</b>		5	5	5	1645	--	1545	3190	3054	136	13	--	7	682725	3220197
<b>17. GRANITE</b>															
ANDHRA PRADESH															
Chittoor		1	1	--	--	99	6	105	105	--	--	--	--	8383	75351
Guntur		1	1	--	--	19	4	23	23	--	--	--	--	2198	23206
Karimnagar		5	5	--	--	178	20	198	198	--	--	--	--	20712	137170
Nalgonda		1	1	--	--	12	1	13	13	--	--	--	--	8511 (PR)	14344
Prakasham		83	80	--	--	3953	1644	5597	5552	45	--	309	155	1397395	14025776
Ranga Reddy		1	--	--	--	23	--	23	23	--	--	--	--	48741 (PR)	539609
Srikakulam		3	3	--	--	85	21	106	106	--	--	--	--	8834	62826
Warangal		3	3	--	--	133	12	145	144	1	--	--	--	9141	50634
<b>TOTAL : ANDHRA PRADESH</b>		98	94	--	--	4502	1708	6210	6164	46	--	309	155	1448399	14389118
														57252 (PR)	553953
GOA															
North Goa		1	1	--	--	13	8	21	21	--	--	4	4	29858	8925
South Goa		1	--	--	--	67	1	68	68	--	--	64	--	131125	20319
<b>TOTAL : GOA</b>		2	1	--	--	80	9	89	89	--	--	68	4	160983	29244
KARNATAKA															
Bangalore		1	1	--	--	23	1	24	24	--	--	--	--	463	3120
Belgaum		1	--	--	--	56	--	56	54	2	--	--	--	Nil	Nil
Bellary		2	2	--	--	30	--	30	30	--	--	--	--	2795	27217
Bijapur		3	3	--	--	469	99	568	560	8	--	--	--	35099	884182
Gulbarga		1	1	--	--	80	9	89	89	--	--	--	--	Nil	Nil
Hassan		3	2	--	--	49	12	61	59	2	--	3	1	1794	49628
Mandy		1	--	--	--	12	4	16	16	--	--	9	--	923	27336
Mysore		2	--	--	--	27	2	29	29	--	--	--	--	423	1147
Raichur		2	2	--	--	52	5	57	57	--	--	--	--	4364	33847
Bagalkot		4	4	--	--	145	54	199	195	4	--	--	--	42610	724014
KOPPAL		2	2	--	--	43	13	56	54	2	--	--	--	21066	341230
CHAMARAJANAGAR		1	1	--	--	16	4	20	20	--	--	--	--	161	1352
Ramanagara		3	1	--	--	34	17	51	49	2	--	2	7	316	1773
<b>TOTAL : KARNATAKA</b>		26	19	--	--	1036	220	1256	1236	20	--	14	8	110014	2094846
														42605 (PR)	259456

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>KERALA</b>															
	Ernakulam	3	3	--	--	95	21	116	70	46	--	10	3	7634	28857
														52320 (PR)	146965
	Malappuram	1	1	--	--	16	7	23	16	7	--	--	--	28762 (PR)	9702
	Pathanamthitta	6	6	--	--	122	12	134	134	--	--	--	--	611392	235954
	Trichur	1	1	--	--	35	2	37	37	--	--	30	--	127938	1328010
	Trivandrum	2	2	--	--	15	42	57	47	10	--	--	11	641	5400
	<b>TOTAL : KERALA</b>	<b>13</b>	<b>13</b>	<b>--</b>	<b>--</b>	<b>283</b>	<b>84</b>	<b>367</b>	<b>304</b>	<b>63</b>	<b>--</b>	<b>40</b>	<b>14</b>	<b>747605</b>	<b>1598220</b>
														81082 (PR)	156667
<b>MADHYA PRADESH</b>															
	Chhatarpur	1	1	--	--	185	20	205	205	--	--	--	--	Nil	Nil
<b>ORISSA</b>															
	Kalahandi	1	1	--	--	26	4	30	30	--	--	--	--	6002	31361
<b>RAJASTHAN</b>															
	Jhunjhunu	<b>Employment with Stone and Copper</b>												8043	79153
<b>TAMIL NADU</b>															
	Dharmapuri	21	17	--	--	559	89	648	648	--	--	--	--	87553	868105
														405 (PR)	1454
	Kanyakumari	1	1	--	--	27	1	28	28	--	--	--	--	702679	294876
	Madurai	10	9	--	--	311	74	385	382	3	--	143	--	22026	285263
	Periyar	2	2	--	--	160	10	170	170	--	--	--	--	1388 (PR)	5955
	Pudukkottai	1	--	--	--	23	3	26	26	--	--	--	--	734	770
	Salem	15	14	--	--	519	65	584	581	3	--	--	--	102475	178132
	South Arcot	2	2	--	--	53	6	59	59	--	--	--	--	55346	355399
	Thanjavur	1	1	--	--	19	--	19	19	--	--	--	--	999	633
	Tiruchirapalli	1	1	--	--	36	--	36	36	--	--	--	--	719	5657
	Tirunelveli	5	5	--	--	83	10	93	93	--	--	44	7	18019	199771
	V.R.P.	5	5	--	--	182	24	206	197	9	--	--	--	2407	25327
	Virudhunagar	2	1	--	--	24	21	45	45	--	--	12	--	1397	14407
	Vellore	6	4	--	--	154	24	178	178	--	--	118	11	10327	66996
														591 (PR)	3534
	Villupuram	10	10	--	--	191	57	248	238	10	--	13	--	5495	56919
	Karur	3	--	--	--	58	4	62	60	2	--	12	--	13020	95588
														842 (PR)	5538
	Sivaganga	1	1	--	--	16	2	18	18	--	--	--	--	1116	2500
	KRISHNAGIRI	11	9	--	--	239	33	272	272	--	--	38	11	228089	88717
														1000 (PR)	6026
	<b>TOTAL : TAMIL NADU</b>	<b>97</b>	<b>82</b>	<b>--</b>	<b>--</b>	<b>2654</b>	<b>423</b>	<b>3077</b>	<b>3050</b>	<b>27</b>	<b>--</b>	<b>380</b>	<b>29</b>	<b>1270208</b>	<b>2662906</b>
														4226 (PR)	22507
<b>UTTAR PRADESH</b>															
	Lalitpur	3	3	--	--	115	111	226	226	--	--	--	--	12711	148989
	<b>TOTAL : GRANITE</b>	<b>241</b>	<b>214</b>	<b>--</b>	<b>--</b>	<b>8881</b>	<b>2579</b>	<b>11460</b>	<b>11304</b>	<b>156</b>	<b>--</b>	<b>811</b>	<b>210</b>	<b>3763965</b>	<b>21033837</b>
														185165 (PR)	992582

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R				
														B/G	O/C	A/G
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>18. GRAPHITE</b>																
JHARKHAND																
Palamau	2	1	--	--	67	3	70	70	--	--	66	--	16249	9195		
Saraikela Kharsawan	1	--	--	--	17	--	17	17	--	--	16	--	2645	714		
<b>TOTAL : JHARKHAND</b>		3	1	--	--	84	3	87	87	--	--	82	--	18894	9909	
ORISSA																
Bolangir	8	2	--	--	113	19	132	56	76	--	--	--	12698	9332		
Cuttack	1	--	--	--	--	4	4	4	--	--	--	--	Nil	Nil		
Phulabani	1	1	--	--	53	3	56	39	17	--	--	--	10201	2958		
Nuapada	1	1	--	--	15	1	16	8	8	--	--	--	1007	771		
Rayagada	2	--	--	--	31	--	31	31	--	--	--	--	447	326		
<b>TOTAL : ORISSA</b>		13	4	--	--	212	27	239	138	101	--	--	--	24353	13387	
TAMIL NADU																
Sivaganga	1	--	--	--	40	3	43	43	--	--	--	--	63136	78294		
<b>TOTAL : GRAPHITE</b>		17	5	--	--	336	33	369	268	101	--	82	--	106383	101590	
<b>19. GYPSUM</b>																
JAMMU & KASHMIR																
Deda	1	--	--	--	34	1	35	35	--	--	--	--	3015	9500		
Ramban	2	--	--	--	77	9	86	86	--	--	38	--	51770	25286		
<b>TOTAL : JAMMU &amp; KASHMIR</b>		3	--	--	--	111	10	121	121	--	--	38	--	54785	34786	
RAJASTHAN																
Barmer	2	--	--	--	--	4	4	4	--	--	--	--	Nil	Nil		
Bikaner	13	6	--	--	56	34	90	90	--	--	18	3	2534613	1339821		
Sriganganagar	12	2	--	--	32	19	51	51	--	--	17	--	276458	131272		
Jaisalmer	3	2	--	--	16	5	21	21	--	--	7	--	486813	1103360		
Jalor	1	--	--	--	1	1	2	2	--	--	--	--	Nil	Nil		
Nagaur	2	1	--	--	4	8	12	12	--	--	2	--	468731	222647		
Hanumangarh	4	1	--	--	5	14	19	19	--	--	2	--	24077	13030		
Sri Ganganagar	2	--	--	--	4	1	5	5	--	--	2	--	73174	62510		
<b>TOTAL : RAJASTHAN</b>		39	12	--	--	118	86	204	204	--	--	48	3	3863866	2872642	
<b>TOTAL : GYPSUM</b>		42	12	--	--	229	96	325	325	--	--	86	3	3918651	2907428	

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
20. IRON															
ANDHRA PRADESH															
Anantpur		4	1	--	--	62	26	88	88	--	--	--	--	2606087	2606087
Kurnool		11	2	--	--	191	--	191	191	--	--	3	--	268157	470237
Nalgonda		Employment with Stone													
TOTAL : ANDHRA PRADESH		15	3	--	--	253	26	279	279	--	--	3	--	2883466	3086789
														33453 (FN)	7029
														151853 (LM)	48431
														9222	10465
CHHATTISHGARH															
Bastar		1	1	--	--	97	179	276	276	--	--	--	35	2412068 (FN)	2988383
Durg		6	6	--	--	1047	1434	2481	2393	88	--	266	171	1486370 (LM)	3171824
Kanker		1	1	--	--	399	31	430	430	--	--	395	--	1104189 (PR)	493773
Dantewara		2	2	--	--	655	1130	1785	1785	--	--	--	--	260639	190006
TOTAL : CHHATTISHGARH		10	10	--	--	2198	2774	4972	4884	88	--	661	206	96284 (FN)	162802
														8318506 (FN)	16810402
														5059889 (LM)	13924381
GOA															
North Goa		36	31	--	--	2319	1387	3706	3683	23	--	763	91	11686725 (FN)	3298146
South Goa		46	37	--	--	2853	743	3596	3546	50	--	1337	246	3948292 (FN)	1115706
Margaon		2	2	--	--	62	19	81	81	--	--	--	--	1006390 (LM)	409279
TOTAL : GOA		84	70	--	--	5234	2149	7383	7310	73	--	2100	337	2632424 (PR)	7170396
														20595403 (FN)	29198635
														1111019 (LM)	1244653
														1322316 (PR)	844207
														92600 (FN)	632976
														131013 (LM)	40835
														327530 (PR)	392498
JHARKHAND															
West Singhbhum		25	14	--	--	2211	7757	9968	9754	214	--	891	4168	28594056 (FN)	14405529
														5532843 (FN)	1417630
														3161022 (LM)	1090911
														4079239 (PR)	3843197
														5532843 (FN)	1417630
														3161022 (LM)	1090911
														4079239 (PR)	3843197

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2														
<b>KARNATAKA</b>															
	Bellary	73	56	--	--	3764	1097	4861	4789	72	--	727	76	5904186 8164581 (FN) 3658638 (LM) 4239707 (PR)	4066308 13496041 8363295 6085882
	Bijapur	2	2	--	--	26	13	39	27	12	--	--	--	247200 273713 (FN)	86520 67078
	Chikmagalur	2	--	--	--	19	--	19	19	--	--	--	--	Nil	Nil
	Chitradurga	13	11	--	--	1132	115	1247	1244	3	--	336	33	6831952 390412 (FN) 46023 (LM)	3554849 554230 98299
	Dharwar	1	1	--	--	25	9	34	34	--	--	24	3	623095	184703
	Tumkur	9	6	--	--	187	61	248	243	5	--	48	22	511661 227663 (FN) 104131 (LM)	194500 91091 84698
	Bagalkot	1	--	--	--	11	--	11	11	--	--	--	--	2400	8400
<b>TOTAL : KARNATAKA</b>		<b>101</b>	<b>76</b>	--	--	<b>5164</b>	<b>1295</b>	<b>6459</b>	<b>6367</b>	<b>92</b>	--	<b>1135</b>	<b>134</b>	<b>14120494 9056369 (FN) 3808792 (LM) 4325047 (PR)</b>	<b>8095281 14208440 8546292 6109351</b>
<b>MADHYA PRADESH</b>															
	Jabalpur	6	5	--	--	54	91	145	145	--	--	--	--	Nil 82988 (FN) 43710 (LM) 60107 (PR) 82988 (FN) 43710 (LM) 60107 (PR)	Nil 8678 4452 18032 8678 4452 18032
<b>MAHARASHTRA</b>															
	Bhandara	1	--	--	--	56	14	70	67	3	--	--	--	7810 (FN) 5010 (LM)	7480 8069
	Chandrapur	1	1	--	--	179	5	184	184	--	--	--	--	250609	56387
	Gadehiroti	1	--	--	--	1	3	4	4	--	--	--	--	174	956
	Sindhudurg	9	8	--	--	502	70	572	572	--	--	412	26	1486932 230127 (FN) 90276 (LM)	1288120 200370 79604
<b>TOTAL : MAHARASHTRA</b>		<b>12</b>	<b>9</b>	--	--	<b>738</b>	<b>92</b>	<b>830</b>	<b>827</b>	<b>3</b>	--	<b>412</b>	<b>26</b>	<b>1737715 237937 (FN) 95286 (LM)</b>	<b>1345463 207850 87673</b>
<b>ORISSA</b>															
	Bolangir	1	--	--	--	1	--	1	1	--	--	--	--	Nil 47024046 (FN) 13753020 (FN) 12275954 (LM)	Nil 54943001 13477864 16220031
	Keonjhar	61	46	--	--	8218	7647	15865	14899	966	--	4234	4041	9175656 (PR)	12172851
	Mayurbhanj	7	3	--	--	1523	92	1615	1346	269	--	596	10	220761 (FN) 154050 (FN) 548358 (LM)	500366 156281 1623647
	Sundergarh	38	32	--	--	4175	3106	7281	6767	514	--	2462	1219	9257981 2955311 (FN) 420951 (LM)	7771867 1248094 852812
<b>TOTAL : ORISSA</b>		<b>107</b>	<b>81</b>	--	--	<b>13917</b>	<b>10845</b>	<b>24762</b>	<b>23013</b>	<b>1749</b>	--	<b>7292</b>	<b>5270</b>	<b>56502788 16862381 (FN)</b>	<b>63215234 14882239</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													13245263 (LM)	18696490
														12770614 (PR)	15795431
<hr/>															
<b>RAJASTHAN</b>															
Bhilwara		1	1	--	--	175	249	424	424	--	--	125	234	194753 916300 (PR)	490800 854000
Jaipur		1	1	--	--	54	14	68	68	--	--	--	--	47620 (LM) 181932 (PR)	36005 185365
<b>TOTAL : RAJASTHAN</b>		2	2	--	--	229	263	492	492	--	--	125	234	194753 47620 (LM) 1098232 (PR)	490800 36005 1039365
<hr/>															
<b>TOTAL : IRON</b>		362	270	--	--	29998	25292	55290	53071	2219	--	12619	10375	137772828 47823153 (FN)	123830438 52146330
<hr/>															
21. KYANITE															
<b>JHARKHAND</b>															
East Singhbhum		1	1	--	--	36	5	41	41	--	--	15	--	2198	2607
<b>MAHARASHTRA</b>															
Bhandara		4	--	--	--	66	3	69	69	--	--	--	--	8165	2086
<b>TOTAL : KYANITE</b>		5	1	--	--	102	8	110	110	--	--	15	--	10363	4693
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22. LATERITE															
<b>ANDHRA PRADESH</b>															
East Godavari		3	1	--	--	47	4	51	51	--	--	--	--	1421582	219639
<b>KARNATAKA</b>															
Belgaum		1	1	--	--	102	11	113	113	--	--	--	--	159350 (PR)	25018
<b>KERALA</b>															
Kannur		1	--	--	--	9	3	12	9	3	--	--	--	25950	4608
Kasaragod		1	1	--	--	15	6	21	18	3	--	--	2	59198	11548
<b>TOTAL : KERALA</b>		2	1	--	--	24	9	33	27	6	--	--	2	85148	16156
<hr/>															
<b>MADHYA PRADESH</b>															
Jabalpur		1	--	--	--	40	1	41	18	23	--	--	--	21750	653
<b>RAJASTHAN</b>															
Jhalawar		1	1	--	--	112	21	133	133	--	--	--	--	1720177	276782
<b>TOTAL : LATERITE</b>		8	4	--	--	325	46	371	342	29	--	--	2	3248657 159350 (PR)	513229 25018
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23. LIMESTONE															
ANDAMAN & NICOBAR ISLAND															

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Andamana	1	1	--	--	58	--	58	58	--	--	--	--	Nil	Nil
ANDHRA PRADESH															
	Adilabad	4	4	--	--	141	25	166	166	--	--	--	--	8099309	1182651
	Anantpur	7	5	1	4	181	150	335	324	11	--	63	111	9212610	998418
	Cuddapah	8	8	--	--	242	77	319	314	5	--	76	22	11146594	1087303
	Guntur	9	9	--	--	248	101	349	349	--	--	16	--	5320665	918689
	Karimnagar	1	1	--	--	77	56	133	133	--	--	--	--	1174072	419285
	Krishna	7	7	--	--	232	147	379	368	11	--	29	49	3428385	762343
	Kurnool	13	5	--	--	341	106	447	446	1	--	94	2	6087688	598186
														2569 (FN)	1028
														41332 (LM)	24799
	Nalgonda	28	28	--	--	752	65	817	813	4	--	89	3	18866401	2495266
	Ranga Reddy	5	5	--	--	160	41	201	201	--	--	--	--	6170149	837449
TOTAL : ANDHRA PRADESH		82	72	1	4	2374	768	3146	3114	32	--	367	187	69505873	9299590
														2569 (FN)	1028
														41332 (LM)	24799
														2855 (PR)	471
ASSAM															
	Karbi Aroglong	1	1	--	--	10	23	33	33	--	--	--	--	1726910	806285
	North Cachar Hills	5	5	--	--	119	4	123	123	--	--	30	--	147705	59025
TOTAL : ASSAM		6	6	--	--	129	27	156	156	--	--	30	--	1874615	865310
BIHAR															
	Rohtas	3	2	--	--	115	44	159	155	4	--	--	--	517674	202713
CHHATTISHGARH															
	Bilaspur	1	1	--	--	124	4	128	128	--	--	--	--	2126505	149141
	Durg	5	5	--	--	160	319	479	469	10	--	--	--	1372047	1329840
	Raipur	9	9	--	--	546	175	721	721	--	--	26	30	20741035	2356009
	Janjgir(champa)	2	2	--	--	110	4	114	114	--	--	24	1	1849322	224177
	Baloda Bazar	1	1	--	--	68	11	79	79	--	--	--	--	2170695	302291
TOTAL : CHHATTISHGARH		18	18	--	--	1008	513	1521	1511	10	--	50	31	28259604	4361459
														1628453 (PR)	2799470
GOA															
	North Goa	Employment with Iron												653217 (FN)	685878
														42480 (LM)	68010
														42480 (IM)	68010
GUJARAT															
	Amreli	3	3	--	--	170	45	215	215	--	--	35	--	6179480	765445
	Jamnagar	7	5	--	--	164	26	190	190	--	--	88	--	2510843	176549
	Junagadh	28	14	--	--	748	66	814	727	87	--	271	--	24727659	2132714
														27450 (PR)	1799
	Kutch	2	2	--	--	72	8	80	80	--	--	21	--	1892627	163103
	Porbandar	7	6	--	--	352	99	451	332	119	--	269	71	1331164	1048237
TOTAL : GUJARAT		47	30	--	--	1506	244	1750	1544	206	--	684	71	36641773	4286048
														27450 (PR)	1799

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
	HIMACHAL PRADESH														
	Bilaspur	1	1	--	--	23	28	51	51	--	--	--	--	3941850	508400
	Mandi	1	1	--	--	6	1	7	7	--	--	--	--	17500	2853
	Sirmaur	29	18	--	--	754	104	858	843	15	--	--	2	2190667	411155
	Solan	3	3	--	--	241	9	250	250	--	--	--	--	8398204	1097555
	<b>TOTAL : HIMACHAL PRADESH</b>	<b>34</b>	<b>23</b>	<b>--</b>	<b>--</b>	<b>1024</b>	<b>142</b>	<b>1166</b>	<b>1151</b>	<b>15</b>	<b>--</b>	<b>--</b>	<b>2</b>	<b>14548221</b>	<b>2019962</b>
														<b>101020 (PR)</b>	<b>27403</b>
	HARYANA														
	Mahendragarh	1	--	--	--	14	2	16	16	--	--	--	--	2760	373
	JHARKHAND														
	Hazaribagh	2	2	--	--	24	12	36	34	2	--	--	--	51410	13458
	Palamau	3	1	--	--	162	65	227	221	6	--	75	--	32595	6236
	Ranchi	3	2	--	--	45	26	71	71	--	--	--	--	49191 (PR)	78506
	West Singhbhum	9	3	--	--	484	130	614	539	75	--	27	--	1830786	356263
	Garhwa	1	--	--	--	142	220	362	362	--	--	137	9	88512	22678
	<b>TOTAL : JHARKHAND</b>	<b>18</b>	<b>8</b>	<b>--</b>	<b>--</b>	<b>857</b>	<b>453</b>	<b>1310</b>	<b>1227</b>	<b>83</b>	<b>--</b>	<b>239</b>	<b>9</b>	<b>2027893</b>	<b>404259</b>
														<b>49191 (PR)</b>	<b>78506</b>
	JAMMU & KASHMIR														
	Pulwana	1	1	--	--	33	5	38	38	--	--	--	3	224457	324060
	KARNATAKA														
	Belgaum	6	2	--	--	34	13	47	47	--	--	11	--	81478	14656
	Bijapur	3	2	--	--	50	18	68	55	13	--	--	--	146852	19384
	Chitradurga	3	3	--	--	134	46	180	180	--	--	23	--	4924519	603274
	Gulbarga	8	8	--	--	510	89	599	599	--	--	104	--	27161384	5866017
	Shimoga	1	1	--	--	6	6	6	6	--	--	--	--	22865	5145
	Tumkur	3	2	--	--	106	62	168	168	--	--	4	--	303918	70749
	Bagalkot	33	14	--	--	380	55	435	418	17	--	165	--	3986658	607643
	<b>TOTAL : KARNATAKA</b>	<b>57</b>	<b>32</b>	<b>--</b>	<b>--</b>	<b>1220</b>	<b>283</b>	<b>1503</b>	<b>1473</b>	<b>30</b>	<b>--</b>	<b>307</b>	<b>--</b>	<b>36627674</b>	<b>7186868</b>
	KERALA														
	Alleppey	1	1	--	--	57	--	57	57	--	--	--	--	14190	12615
	Palghat	1	1	--	--	64	133	197	197	--	--	--	--	598661 (PR)	59866
	<b>TOTAL : KERALA</b>	<b>2</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>121</b>	<b>133</b>	<b>254</b>	<b>254</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>14190</b>	<b>12615</b>
														<b>598661 (PR)</b>	<b>59866</b>
	MEGHALAYA														
	East Khasi Hills	3	3	--	--	172	64	236	227	9	--	2	--	2203271	908585
	Jaintia Hills	8	7	--	--	230	41	271	271	--	--	--	--	2970791	627533
	<b>TOTAL : MEGHALAYA</b>	<b>11</b>	<b>10</b>	<b>--</b>	<b>--</b>	<b>402</b>	<b>105</b>	<b>507</b>	<b>498</b>	<b>9</b>	<b>--</b>	<b>2</b>	<b>--</b>	<b>5174062</b>	<b>1536118</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>MADHYA PRADESH</b>															
Damoh	3	3	--	--	102	83	185	185	--	--	--	--	2652793	734419	
Jabalpur	8	7	--	--	991	494	1485	1321	164	--	117	56	1997055	249144	
													863981 (PR)	137384	
Mandsaur	2	2	--	--	86	56	142	142	--	--	--	--	4102212	174728	
Rewa	4	4	--	--	375	47	422	422	--	--	--	--	9314056	2239152	
Satna	15	14	--	--	799	304	1103	1089	14	--	291	114	13251034	1631402	
													245841 (PR)	24063	
Sidhi	2	2	--	--	64	18	82	82	--	--	--	--	2032506	328074	
Katni	8	5	--	--	419	52	471	462	9	--	64	14	3168208	430797	
Neemuch	2	2	--	--	76	44	120	120	--	--	--	--	4445901	246997	
<b>TOTAL : MADHYA PRADESH</b>	<b>44</b>	<b>39</b>	--	--	<b>2912</b>	<b>1098</b>	<b>4010</b>	<b>3823</b>	<b>187</b>	--	<b>472</b>	<b>184</b>	<b>40963765</b>	<b>6034712</b>	
													1109822 (PR)	161447	
<b>MAHARASHTRA</b>															
Chandrapur	5	5	--	--	316	103	419	419	--	--	71	23	10120543	1365394	
Yavatmal	8	2	--	--	107	39	146	133	13	--	--	--	20680	3192	
<b>TOTAL : MAHARASHTRA</b>	<b>13</b>	<b>7</b>	--	--	<b>423</b>	<b>142</b>	<b>565</b>	<b>552</b>	<b>13</b>	--	<b>71</b>	<b>23</b>	<b>10141223</b>	<b>1368586</b>	
<b>ORISSA</b>															
Kalahandi	1	1	--	--	18	3	21	21	--	--	16	3	11630	1256	
Koraput	3	2	--	--	70	15	85	85	--	--	51	--	223085	24141	
Sambalpur	1	1	--	--	240	25	265	264	1	--	155	--	933996	361008	
Sundergarh	12	9	--	--	1612	844	2456	2077	379	--	125	128	1528896	345493	
Bargarh	1	1	--	--	179	19	198	198	--	--	103	--	955100	437245	
<b>TOTAL : ORISSA</b>	<b>18</b>	<b>14</b>	--	--	<b>2119</b>	<b>906</b>	<b>3025</b>	<b>2645</b>	<b>380</b>	--	<b>450</b>	<b>131</b>	<b>3652707</b>	<b>1169144</b>	
<b>RAJASTHAN</b>															
Ajmer	2	2	--	--	133	86	219	219	--	--	--	--	1137105	34113	
													1620973 (PR)	163718	
Banswara	1	1	--	--	46	20	66	66	--	--	33	19	1205599	16483	
Barmer	1	1	--	--	18	8	26	24	2	--	--	--	2730	82	
Bundi	1	1	--	--	47	2	49	49	--	--	--	--	947394	208427	
Chittorgarh	7	6	--	--	302	113	415	415	--	--	160	13	10112206	1823132	
Jaipur	4	3	--	--	206	3	209	209	--	--	186	--	6367910	877258	
Jaisalmer	2	2	--	--	235	136	371	371	--	--	183	71	705357	91696	
													2529293 (FN)	1214061	
Jhalawar	18	18	--	--	1240	96	1336	1236	100	--	70	3	1910805	168798	
													107185 (PR)	4015	
Jodhpur	2	1	--	--	46	14	60	60	--	--	--	--	21313	156674	
Kota	37	32	--	--	4284	437	4721	4145	576	--	119	--	19617062	10294635	
													138190 (PR)	421388	
Nagaur	10	9	--	--	173	36	209	209	--	--	75	8	1263249	1585749	
Pali	2	2	--	--	511	58	569	569	--	--	93	5	2734884	145350	
													11722310 (PR)	4571701	
Sikar	2	1	--	--	1	6	7	7	--	--	--	--	1136	180	
Sirohi	5	5	--	--	374	147	521	521	--	--	--	--	18431567	2164639	
Udaipur	1	1	--	--	3	--	3	3	--	--	--	--	Nil	Nil	
<b>TOTAL : RAJASTHAN</b>	<b>95</b>	<b>85</b>	--	--	<b>7619</b>	<b>1162</b>	<b>8781</b>	<b>8103</b>	<b>678</b>	--	<b>919</b>	<b>119</b>	<b>64458317</b>	<b>17567217</b>	
													2529293 (FN)	1214061	
													13588658 (PR)	5160822	

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>TAMIL NADU</b>															
Coimbatore		3	3	--	--	71	36	107	107	--	--	12	--	983296	245120
Madurai		2	2	--	--	112	3	115	115	--	--	--	--	3165180	522300
Salem		5	5	--	--	196	59	255	244	11	--	124	1	508892	95052
Thanjavur		1	1	--	--	24	1	25	9	16	--	--	--	27090	2790
Tiruchirapalli		9	8	--	--	294	15	309	309	--	--	107	4	7780002	1327634
Tirunelveli		14	14	--	--	320	34	354	354	--	--	35	2	1766965	543677
Kamrajar		1	1	--	--	23	11	34	34	--	--	16	--	76862	43965
Dindigul-Anna		3	3	--	--	135	51	186	182	4	--	79	32	3446081	775162
Virudhunagar		5	5	--	--	109	42	151	151	--	--	48	2	684830	1826688
Perambalur		2	2	--	--	78	6	84	84	--	--	24	--	214956 (PR)	39300
Ariyalur		18	14	--	--	385	28	413	413	--	--	244	9	8993004	1358390
<b>TOTAL : TAMIL NADU</b>		<b>63</b>	<b>58</b>	--	--	<b>1747</b>	<b>286</b>	<b>2033</b>	<b>2002</b>	<b>31</b>	--	<b>689</b>	<b>50</b>	<b>29226412</b>	<b>7078355</b>
														<b>214956 (PR)</b>	<b>39300</b>
<b>UTTARANCHAL</b>															
Dehradun		1	--	--	--	1	29	30	30	--	--	--	--	49360	4665
Tehri Garhwal		1	1	--	--	30	4	34	34	--	--	--	--	31120	3112
<b>TOTAL : UTTARANCHAL</b>		<b>2</b>	<b>1</b>	--	--	<b>31</b>	<b>33</b>	<b>64</b>	<b>64</b>	--	--	--	--	<b>80480</b>	<b>7777</b>
<b>UTTAR PRADESH</b>															
Sonebhadra		1	1	--	--	58	11	69	69	--	--	--	--	3193450	478105
<b>TOTAL : LIMESTONE</b>		<b>517</b>	<b>410</b>	<b>1</b>	<b>4</b>	<b>23770</b>	<b>6357</b>	<b>30131</b>	<b>28453</b>	<b>1678</b>	--	<b>4280</b>	<b>810</b>	<b>347135150</b>	<b>64203270</b>
														<b>3185079 (FN)</b>	<b>1900966</b>
														<b>83812 (LM)</b>	<b>92810</b>
														<b>17321066 (PR)</b>	<b>8329084</b>
<b>24. MAGNESITE</b>															
<b>JHARKHAND</b>															
East Singhbhum		1	1	--	--	47	10	57	38	19	--	--	--	18551	12986
<b>KARNATAKA</b>															
Mysore		5	3	--	--	134	52	186	152	34	--	31	3	21261	34253
														<b>75046 (PR)</b>	<b>21137</b>
														<b>75046 (PR)</b>	<b>21137</b>
<b>TAMIL NADU</b>															
Salem		9	7	--	--	1910	33	1943	1048	895	--	108	--	517577	884255
<b>UTTARANCHAL</b>															
Almora		1	1	--	--	137	51	188	188	--	--	13	--	43888	56984
														<b>20730 (FN)</b>	<b>9427</b>
														<b>41081 (LM)</b>	<b>15947</b>
														<b>20730 (FN)</b>	<b>9427</b>
														<b>41081 (LM)</b>	<b>15947</b>
<b>TOTAL : MAGNESITE</b>		<b>16</b>	<b>12</b>	--	--	<b>2228</b>	<b>146</b>	<b>2374</b>	<b>1426</b>	<b>948</b>	--	<b>152</b>	<b>3</b>	<b>601277</b>	<b>988478</b>
														<b>20730 (FN)</b>	<b>9427</b>
														<b>41081 (LM)</b>	<b>15947</b>
														<b>75046 (PR)</b>	<b>21137</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>25. MANGANESE</b>															
ANDHRA PRADESH															
Vizianagaram		28	21	--	--	1108	80	1188	710	478	--	24	1	967855 2529 (PR) 2529 (PR)	1859000 12643 12643
GOA															
North Goa		2	1	--	--	95	29	124	103	21	--	--	--	600 35267 (PR)	2400 60072
South Goa		10	6	--	--	307	39	346	248	98	--	107	24	1842608	1835015
TOTAL : GOA		12	7	--	--	402	68	470	351	119	--	107	24	1843208 35267 (PR)	1837415 60072
GUJARAT															
Panchmahal		1	1	--	--	9	18	27	27	--	--	--	--	Nil	Nil
JHARKHAND															
West Singhbhum		3	--	--	--	44	30	74	74	--	--	--	--	127936	32968
KARNATAKA															
Bangalore		1	--	--	--	12	6	18	15	3	--	--	--	Nil	Nil
Bellary		7	3	--	--	1156	884	2040	1888	152	--	420	--	9266 12000 (LM) 142012 (PR)	7597 2640 318125
Chitradurga		7	4	--	--	127	45	172	149	23	--	--	20	300401	194438
Tumkur		1	--	--	--	16	2	18	14	4	--	--	--	3570 (PR)	491
Uttar Kannada		2	--	--	--	56	17	73	73	--	--	18	--	1904 8100 (PR)	1466 8280
TOTAL : KARNATAKA		18	7	--	--	1367	954	2321	2139	182	--	438	20	311571 12000 (LM) 153682 (PR)	203501 2640 326896
MADHYA PRADESH															
Balaghat		16	13	6	1891	566	1378	3835	3263	572	231	168	401	631642 258105 (PR)	3653825 2187543
Chhindwara		3	2	--	--	80	103	183	138	45	--	--	21	39610 266 (PR)	100064 585
Jhabua		1	--	--	--	171	47	218	145	73	--	--	--	66879	40127
TOTAL : MADHYA PRADESH		20	15	6	1891	817	1528	4236	3546	690	231	168	422	738131 258371 (PR)	3794016 2188128
MAHARASHTRA															
Bhandara		4	3	1	386	1277	844	2507	2198	309	2	760	9	687981 489561 64894 (PR)	3840656 1924564 221200
Nagpur		9	6	4	603	432	476	1511	1269	242	50	139	123		
TOTAL : MAHARASHTRA		13	9	5	989	1709	1320	4018	3467	551	52	899	132	1177542 64894 (PR)	5765219 221200

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>ORISSA</b>															
	Keonjhar	18	9	--	--	2286	1059	3345	2280	1065	--	1245	548	276545 577576 (PR)	450611 614518
	Koraput	1	1	--	--	44	19	63	36	27	--	--	--	Nil	Nil
	Sundergarh	18	9	--	--	388	329	717	511	206	--	116	159	93523 129070 (PR)	339896 164885
<b>TOTAL : ORISSA</b>		37	19	--	--	2718	1407	4125	2827	1298	--	1361	707	370068 706646 (PR)	790507 779403
<b>TOTAL : MANGANESE</b>															
		132	79	11	2880	8174	5405	16459	13141	3318	283	2997	1306	5536311 12000 (LM) 1221389 (PR)	14282626 2640 3588342
<b>26. MARBLE</b>															
<b>GUJARAT</b>		4	4	--	--	272	56	328	328	--	--	--	--	752052 446663	691545 2200
	Banas Kantha			Employment with Limestone											
	Kutch														
<b>TOTAL : GUJARAT</b>		4	4	--	--	272	56	328	328	--	--	--	--	1198715	693745
<b>MADHYA PRADESH</b>															
	Jabalpur	1	1	--	--	19	21	40	40	--	--	--	--	15407	2605
	Katni	2	2	--	--	43	8	51	51	--	--	--	--	9449	4597
<b>TOTAL : MADHYA PRADESH</b>		3	3	--	--	62	29	91	91	--	--	--	--	24856	7203
<b>RAJASTHAN</b>															
	Ajmer	1	1	--	--	28	18	46	46	--	--	--	--	27915	13958
	Alwar	1	1	--	--	10	4	14	14	--	--	--	--	18127	17708
	Banswara	1	--	--	--	8	7	15	15	--	--	--	--	10510	9732
	Jaipur	2	1	--	--	34	7	41	41	--	--	--	--	25072	9502
	Sikar	2	2	--	--	39	17	56	56	--	--	--	--	91413	80998
	Sirohi	1	1	--	--	121	46	167	167	--	--	--	--	135880	131394
	Rajsamand	6	5	--	--	1016	222	1238	1238	--	--	--	--	1624937 436583 (PR)	1654073 361927
<b>TOTAL : RAJASTHAN</b>		14	11	--	--	1256	321	1577	1577	--	--	--	--	1933854 436583 (PR)	1917365 361927
<b>TOTAL : MARBLE</b>															
		21	18	--	--	1590	406	1996	1996	--	--	--	--	3157425 436583 (PR)	2618312 361927

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>27. MICA</b>															
ANDHRA PRADESH															
Nellore		20	18	12	182	128	151	461	387	74	--	--	--	6878286	83796
BIHAR															
Nawada		3	2	2	36	22	14	72	72	--	--	--	--	3293057	9482
JHARKHAND															
Koderma		1	--	--	--	--	6	6	6	--	--	--	--	Nil	Nil
Garhwa		1	1	1	15	--	4	19	19	--	--	--	--	19354	71
<b>TOTAL : JHARKHAND</b>		<b>2</b>	<b>1</b>	<b>1</b>	<b>15</b>	<b>--</b>	<b>10</b>	<b>25</b>	<b>25</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>19354</b>	<b>71</b>
RAJASTHAN															
Bhilwara		2	1	--	--	14	--	14	14	--	--	--	--	2220860	6859
<b>TOTAL : MICA</b>		<b>27</b>	<b>22</b>	<b>15</b>	<b>233</b>	<b>164</b>	<b>175</b>	<b>572</b>	<b>498</b>	<b>74</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>12411557</b>	<b>100208</b>
<b>28. OCHRE</b>															
GUJARAT															
Patan		1	--	--	--	16	--	16	16	--	--	--	--	592	59
MADHYA PRADESH															
Satna		1	--	1	14	--	5	19	19	--	--	--	--	970	78
RAJASTHAN															
Bikaner		Employment with China Clay, clay, white-clay and Fire-clay												9692	935
<b>TOTAL : OCHRE</b>		<b>2</b>	<b>--</b>	<b>1</b>	<b>14</b>	<b>16</b>	<b>5</b>	<b>35</b>	<b>35</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>11254</b>	<b>1072</b>
<b>29. QUARTZ</b>															
ANDHRA PRADESH															
Mahboob Nagar		4	4	--	--	76	9	85	82	3	--	10	--	229011	67532
Medak		2	1	--	--	95	--	95	91	4	--	--	--	16319	2448
Nalgonda		2	--	--	--	3	--	3	3	--	--	--	--	7	6
Nellore		3	2	--	--	42	32	74	40	34	--	18	--	24200	13185
Vizianagaram		2	--	--	--	37	--	37	37	--	--	18	--	4425	514
														3995 (PR)	654
<b>TOTAL : ANDHRA PRADESH</b>		<b>13</b>	<b>7</b>	<b>--</b>	<b>--</b>	<b>253</b>	<b>41</b>	<b>294</b>	<b>253</b>	<b>41</b>	<b>--</b>	<b>46</b>	<b>--</b>	<b>273962</b>	<b>83886</b>
														<b>5660 (PR)</b>	<b>1168</b>
BIHAR															
Munger		2	--	--	--	30	7	37	37	--	--	--	--	67315	21609
CHHATTISGARH															
Raigarh		2	--	--	--	125	7	132	122	10	--	123	7	29912	4677
JHARKHAND															
West Singhbhum		1	--	--	--	31	6	37	37	--	--	--	--	7494	16795
East Singhbhum		1	1	1	18	--	9	27	27	--	--	--	--	6706	23512
Saraikela Kharsawan		1	--	--	--	18	3	21	20	1	--	--	--	Nil	Nil
<b>TOTAL : JHARKHAND</b>		<b>3</b>	<b>1</b>	<b>1</b>	<b>18</b>	<b>49</b>	<b>18</b>	<b>85</b>	<b>84</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>14200</b>	<b>40307</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	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	--	--	--	38	6	44	44	--	--	22	2	15148	13171
	TOTAL : ORISSA	6	--	--	--	129	6	135	126	9	--	22	2	27382	14681
														1454 (PR)	144
	RAJASTHAN														
	Bhilwara	Employment with Mica												1508	330
	Sikar	2	--	--	--	67	9	76	75	1	--	--	--	65	3
	Tonk	1	1	--	--	10	8	18	18	--	--	--	--	186627 (PR)	349067
														12268	2454
	TOTAL : RAJASTHAN	3	1	--	--	77	17	94	93	1	--	--	--	13841	2787
														186627 (PR)	349067
	TAMIL NADU														
	Tirrupur	1	--	--	--	30	2	32	14	18	--	--	--	2368	817
	Periyar	2	--	--	--	88	--	88	40	48	--	--	--	1921	618
	Salem	1	--	--	--	33	--	33	12	21	--	--	--	1749	3856
	Karur	1	--	--	--	53	--	53	12	41	--	--	--	2460 (PR)	5424
	Namakkal	1	1	--	--	11	1	12	12	--	--	--	--	2866	1003
														1217	5176
	TOTAL : TAMIL NADU	6	1	--	--	215	3	218	90	128	--	--	--	10121	11470
														2460 (PR)	5424
	TOTAL : QUARTZ	35	10	1	18	878	99	995	805	190	--	191	9	436733	179417
														196201 (PR)	355803
30. SALT															
	HIMACHAL PRADESH														
	Mandi	1	1	--	--	--	11	11	11	--	--	--	--	Nil	Nil
	TOTAL : SALT	1	1	--	--	--	11	11	11	--	--	--	--	Nil	Nil
31. SANDSTONE															
	ANDHRA PRADESH														
	Srikakulam	1	1	--	--	102	350	452	445	7	--	--	--	255	1388364
	HARYANA														
	Karnal	1	1	--	--	16	--	16	16	--	--	--	--	226986	8371
	JHARKHAND														
	Sahibganj	1	1	--	--	24	7	31	29	2	--	--	--	11254	2251
	RAJASTHAN														
	Bundi	1	1	--	--	342	24	366	365	1	--	--	--	81161	225800
	UTTAR PRADESH														
	Allahabad	1	1	--	--	36	2	38	38	--	--	33	2	404715	96753
	TOTAL : SANDSTONE	5	5	--	--	520	383	903	893	10	--	33	257	2112480	695413

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R				
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G			
1	2															16
<b>32. SELENITE</b>																
RAJASTHAN																
Barmer		2	--	--	--	2	6	8	8	--	--	--	--	1535	2042	
Bikaner		1	1	--	--	10	2	12	12	--	--	8	--	6532	9089	
TOTAL : RAJASTHAN		3	1	--	--	12	8	20	20	--	--	8	--	8067	11131	
TOTAL : SELENITE		3	1	--	--	12	8	20	20	--	--	8	--	8067	11131	
<b>33. SILICA</b>																
ANDHRA PRADESH																
Nellore		3	--	--	--	57	--	57	24	33	--	--	--	411400	21513	
HARYANA																
Faridabad		11	10	--	--	1320	381	1701	1701	--	--	293	--	8353649	1523890	
Gurgaon		3	3	--	--	168	16	184	184	--	--	--	--	1037022	103702	
TOTAL : HARYANA		14	13	--	--	1488	397	1885	1885	--	--	293	--	9390671	1627593	
														347116 (PR)	49533	
KARNATAKA																
Dakshin Kannada		1	--	--	--	4	--	4	4	--	--	--	--	Nil	Nil	
Udipi		5	--	--	--	22	9	31	23	8	--	16	--	2000	370	
TOTAL : KARNATAKA		6	--	--	--	26	9	35	27	8	--	16	--	2000	370	
MAHARASHTRA																
Ratnagiri		1	1	--	--	23	8	31	19	12	--	20	3	8703 (PR)	2499	
Sindhudurg		8	5	--	--	190	153	343	290	53	--	20	--	414856	97807	
TOTAL : MAHARASHTRA		9	6	--	--	213	161	374	309	65	--	40	3	414856	97807	
														100185 (PR)	55415	
RAJASTHAN																
Bharatpur		1	1	--	--	34	10	44	44	--	--	--	--	26881	841	
Bikaner						Employment with China Clay, clay, white-clay								53999	11213	
Bundi		2	2	--	--	74	289	363	235	128	--	--	--	184333 (PR)	76435	
Jaipur		2	2	--	--	51	13	64	49	15	--	--	--	19033	5853	
Dausa		1	--	--	--	17	1	18	18	--	--	--	--	11143 (PR)	1337	
TOTAL : RAJASTHAN		6	5	--	--	176	313	489	346	143	--	--	--	12483	21677	
														195476 (PR)	77772	
TAMIL NADU																
Kancheepuram		2	--	--	--	33	4	37	11	26	--	28	--	1555	511	
Villupuram		1	--	--	--	3	--	3	3	--	--	--	--	Nil	Nil	
TOTAL : TAMIL NADU		3	--	--	--	36	4	40	14	26	--	28	--	1555	511	

**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 '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M I L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
	UTTAR PRADESH Alahabad	1	--	--	--	--	4	4	4	--	--	--	Nil	Nil			
	TOTAL : SILICA	42	24	--	--	1996	888	2884	2609	275	--	377	3	10332965 642777 (PR)	1769471 182720		
34.	SILLIMANITE																
	ANDHRA PRADESH Srkkakulam	1	1	--	--	130	365	495	467	28	--	--	217	24179	193529		
	KERALA Kollam	1	1	--	--	179	469	648	612	36	--	159	129	40818 (PR)	216658		
	MAHARASHTRA Bhandara	4	3	--	--	321	36	357	334	23	--	--	--	6515 1081 (LM) 48731 (PR) 1081 (LM) 48731 (PR)	1722 6486 360881 6486 360881		
	ORISSA Ganjam	1	1	--	--	114	857	971	905	66	--	10	178	201162 (PR)	117533		
	TAMIL NADU Kanyakumari	2	1	--	--	1110	391	1501	1490	11	--	1102	27	138775 48102 (PR) 48102 (PR)	43714 1057890 1057890		
	TOTAL : SILLIMANITE	9	7	--	--	1854	2118	3972	3808	164	--	1271	551	169469 1081 (LM) 338813 (PR)	238965 6486 1752961		
35.	SLATE																
	HARYANA Rewani	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392		
	TOTAL : SLATE	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392		
36.	STEATITE																
	ANDHRA PRADESH Anantapur Kurnool	2	--	2	19	--	18	37	28	9	--	--	8	8705 62925 6030 (PR)	1993 16736 4523		
	TOTAL : ANDHRA PRADESH	10	4	3	26	103	42	171	148	23	--	--	8	71630 6030 (PR)	18729 4523		
	BIHAR Munger Nawada	1	--	--	--	6	--	6	6	--	--	--	--	Nil 24380	Nil 3245		
	TOTAL : BIHAR	2	1	--	--	15	4	19	19	--	--	--	--	24380	3245		

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
	JHARKHAND														
	Pakur	1	1	--	--	22	1	23	23	--	--	--	--	Nil	Nil
	Saraikela Kharsawan	1	--	--	--	--	1	1	1	--	--	--	--	Nil	Nil
	<b>TOTAL : JHARKHAND</b>	<b>2</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>22</b>	<b>2</b>	<b>24</b>	<b>24</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>Nil</b>	<b>Nil</b>
	MADHYA PRADESH														
	Shivpuri	2	1	--	--	294	12	306	282	24	--	--	--	26995	27433
	Tikamgarh	2	1	--	--	74	9	83	59	24	--	--	--	17385	11579
	<b>TOTAL : MADHYA PRADESH</b>	<b>4</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>368</b>	<b>21</b>	<b>389</b>	<b>341</b>	<b>48</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>44380</b>	<b>39012</b>
	MAHARASHTRA														
	Bhandara	Employment with Sillimanite												661 (PR)	454
	ORISSA														
	Keonjhar	1	1	--	--	25	11	36	29	7	--	--	--	11787	177
	RAJASTHAN														
	Bhilwara	14	4	--	--	542	61	603	603	--	--	--	--	323218	171426
	Dungarpur	3	2	--	--	287	85	372	236	136	--	--	--	22741	10276
	Jaipur	1	1	--	--	5	5	10	10	--	--	--	--	Nil	Nil
	Sawai Madhopur	1	--	--	--	40	--	40	40	--	--	--	--	114480	3990
	Udaipur	22	13	4	305	691	211	1207	1093	114	--	57	22	321751	415066
	Rajsamand	4	2	--	--	81	43	124	95	29	--	--	--	43954	13854
	Dausa	1	--	--	--	23	1	24	22	2	--	--	--	1690	338
	Karauli	1	--	--	--	30	--	30	30	--	--	--	--	3510	862
	Pratapgarh	6	2	--	--	306	84	390	390	--	--	--	--	272640	359223
	<b>TOTAL : RAJASTHAN</b>	<b>53</b>	<b>24</b>	<b>4</b>	<b>305</b>	<b>2005</b>	<b>490</b>	<b>2800</b>	<b>2519</b>	<b>281</b>	<b>--</b>	<b>57</b>	<b>22</b>	<b>1103984</b>	<b>975035</b>
														63433 (PR)	39568
	UTTARANCHAL														
	Almora	1	--	--	--	40	5	45	45	--	--	--	--	517	256
	Bageshwar	30	--	--	--	1194	126	1320	1270	50	--	59	--	3129516	1629775
	<b>TOTAL : UTTARANCHAL</b>	<b>31</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1234</b>	<b>131</b>	<b>1365</b>	<b>1315</b>	<b>50</b>	<b>--</b>	<b>59</b>	<b>--</b>	<b>3130033</b>	<b>1630031</b>
														12700 (PR)	7620
	UTTAR PRADESH														
	Lalitpur	1	--	--	--	196	6	202	202	--	--	--	--	1278	767
	<b>TOTAL : STEATITE</b>	<b>104</b>	<b>33</b>	<b>7</b>	<b>331</b>	<b>3968</b>	<b>707</b>	<b>5006</b>	<b>4597</b>	<b>409</b>	<b>--</b>	<b>116</b>	<b>30</b>	<b>4387472</b>	<b>2666996</b>
														82824 (PR)	52164
37. STONE															
	ANDHRA PRADESH														
	Mahboob Nagar	2	2	--	--	42	2	44	44	--	--	--	--	19910	438
	Nellore	1	--	--	--	48	2	50	50	--	--	--	--	6301	1385
	<b>TOTAL : ANDHRA PRADESH</b>	<b>4</b>	<b>3</b>	<b>--</b>	<b>--</b>	<b>110</b>	<b>5</b>	<b>115</b>	<b>115</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>26211</b>	<b>1823</b>

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2														16
	BIHAR														
	Gaya	1	1	--	--	13	8	21	21	--	--	--	--	14242	570
	Nawada	3	3	--	--	51	21	72	72	--	--	--	--	2177113	657148
	TOTAL : BIHAR	4	4	--	--	64	29	93	93	--	--	--	--	2191355	657718
	GOA														
	North Goa	5	5	--	--	74	41	115	114	1	--	21	12	333178	162665
	South Goa	2	--	--	--	100	2	102	93	9	--	86	--	346278	52704
	TOTAL : GOA	7	5	--	--	174	43	217	207	10	--	107	12	679456	215369
	GUJARAT														
	Kheda	1	1	--	--	28	29	57	57	--	--	--	--	101719	10172
	Panchmahal	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	--	--	28	22	50	50	--	--	--	--	1241	92
	Deoghar	1	1	--	--	24	6	30	30	--	--	--	--	23072	1773
	Sahibganj	32	26	--	--	423	451	874	759	115	--	139	122	7614329	429410
														7442 (PR)	201
	Garhwa	1	--	--	--	15	1	16	16	--	--	--	--	1080	54
	Pakur	52	38	--	--	540	581	1121	1033	88	--	156	139	4123868	251349
														47686 (PR)	4101
	TOTAL : JHARKHAND	88	67	--	--	1030	1061	2091	1888	203	--	295	261	11763590	682678
														55128 (PR)	4302
	KARNATAKA														
	Belgaum	1	1	--	--	17	2	19	18	1	--	--	--	78	25
	Udipi	1	1	--	--	3	1	4	4	--	--	3	1	143452	38096
	TOTAL : KARNATAKA	2	2	--	--	20	3	23	22	1	--	3	1	143530	38121
	MAHARASHTRA														
	Mumbai	2	1	--	--	61	8	69	69	--	--	--	--	170868	12380
	Nagpur	1	1	--	--	21	35	56	45	11	--	19	33	16578	1409
	Pune	2	2	--	--	29	2	31	31	--	--	11	--	33605	4552
	Ratnagiri	1	1	--	--	94	29	123	123	--	--	--	--	Nil	Nil
	Thane	5	5	--	--	62	9	71	68	3	--	--	--	142851	19816
	Raigad	2	2	--	--	71	10	81	81	--	--	--	--	291300	126368
	TOTAL : MAHARASHTRA	13	12	--	--	338	93	431	417	14	--	30	33	655202	164525

**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	B E L O W - G R O U N D	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	T O T A L	M A L E	F A M E L E	C O N T R A C T L A B O U R	B/G	O/C	A/G		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>ORISSA</b>																
Baleshwar		1	1	--	--	10	5	15	15	--	--	--	--	24106	10788	
Sundergarh		1	1	--	--	27	--	27	27	--	--	--	--	116946 (PR)	39096	
<b>TOTAL : ORISSA</b>		2	2	--	--	37	5	42	42	--	--	--	--	24106	10788	
														116946 (PR)	39096	
<b>RAJASTHAN</b>																
Jaipur		1	1	--	--	60	75	135	135	--	--	--	--	Nil	Nil	
Kota		Employment with Limestone												278	79	
Sikar		1	--	--	--	14	6	20	20	--	--	--	--	187830	48462	
Dausa		1	1	--	--	41	19	60	60	--	--	36	--	64689	5499	
<b>TOTAL : RAJASTHAN</b>		3	2	--	--	115	100	215	215	--	--	36	--	252797	54040	
<b>TAMIL NADU</b>																
Chengalpattu(Anna)		2	1	--	--	228	28	256	168	88	--	6	22	55280	2073	
Chidambarnar		1	1	--	--	14	5	19	19	--	--	--	--	151600	15160	
Kancheepuram		5	3	--	--	141	19	160	160	--	--	--	--	1223005	53631	
Thoothukkudi		2	1	--	--	56	47	103	103	--	--	--	--	181103	8305	
<b>TOTAL : TAMIL NADU</b>		10	6	--	--	439	99	538	450	88	--	6	22	1610988	79170	
<b>WEST BENGAL</b>																
Pakur		1	1	--	--	4	--	4	4	--	--	2	--	21295	1917	
Birbhum		18	17	--	--	447	382	829	813	16	--	95	115	1307449	106577	
Burdwan		2	1	--	--	22	29	51	38	13	--	--	--	17069	1714	
<b>TOTAL : WEST BENGAL</b>		21	19	--	--	473	411	884	855	29	--	97	115	1345813	110207	
<b>TOTAL : STONE</b>		181	136	--	--	5010	2192	7202	6839	363	--	1685	459	30190152 6811241 (PR)	2855360 507719	
<b>38. VERMICULITE</b>																
ANDHRA PRADESH		Employment with Stone														
Nellore		1	--	--	--	16	4	20	13	7	--	--	--	6353	635	
GOA		Employment with Stone														
North Goa		Employment with Stone														
TAMIL NADU		Employment with Stone														
North Arcot		1	--	--	--	15	4	19	19	--	--	--	--	1565	2803	
<b>TOTAL : VERMICULITE</b>		2	--	--	--	31	8	39	32	7	--	--	--	10123	5194	
<b>39. WOLLASTONITE</b>																
RAJASTHAN		Employment with Stone														
Sirohi		2	2	--	--	412	134	546	433	113	--	16	--	57586	56560	
Udaipur		1	1	--	--	230	84	314	249	65	--	32	--	128675	108649	
<b>TOTAL : RAJASTHAN</b>		3	3	--	--	642	218	860	682	178	--	48	--	186261	165210	

**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	BELLOW- GROUND	BELLOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR						
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
	TOTAL : WOLLASTONITE	3	3	--	--	642	218	860	682	178	--	48	--	186261	165210		
40.	DUNITE																
	KARNATAKA																
	Chikmagalur	1	--	--	--	6	--	6	6	--	--	5	--	8586	1146		
	TOTAL : DUNITE	1	--	--	--	6	--	6	6	--	--	5	--	8586	1146		
	TOTAL : METALLIFEROUS	2148	1456	69	9590	108965	61556	180111	167441	12670	1042	33160	18098	--	448843422		

\* 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 2012 : 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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Clerical & Supervisory staff Women	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>1. APATITE &amp; ROCK PHOSPHATE</b>																
	ANDHRA PRADESH	3	21	3	--	--	--	--	--	1	--	--	--	4	7	39
	MADHYA PRADESH	--	--	--	7	107	71	16	1	8	--	--	--	3	--	213
	RAJASTHAN	--	--	--	38	653	--	81	--	131	--	280	--	3	18	1204
	UTTARANCHAL	10	2	55	--	--	--	--	--	25	--	53	--	151	--	296
	WEST BENGAL	--	--	--	2	13	--	61	--	4	3	--	--	18	--	101
TOTAL : APATITE & ROCK PHOSPHATE		13	23	58	47	773	71	158	1	169	3	333	--	179	25	1853
<b>2. ASBESTOS</b>																
	ANDHRA PRADESH	3	2	38	6	68	--	2	--	6	--	1	--	8	--	134
<b>3. BARYTES</b>																
	ANDHRA PRADESH	2	7	--	30	227	14	35	--	115	39	12	3	55	21	560
	HIMACHAL PRADESH	3	12	1	--	--	--	--	--	--	--	--	--	--	--	16
	RAJASTHAN	--	--	--	2	9	--	--	--	1	--	--	--	5	--	17
TOTAL : BARYTES		5	19	1	32	236	14	35	--	116	39	12	3	60	21	593
<b>4. BAUXITE</b>																
	CHHATTISGARH	--	--	--	30	1668	54	323	--	95	1	11	--	58	--	2240
	GUJARAT	--	--	--	75	326	155	57	10	18	--	--	--	67	--	708
	JHARKHAND	--	--	--	67	1246	--	417	--	73	--	--	--	259	2	2064
	KARNATAKA	--	--	--	4	20	--	4	2	12	--	--	--	--	--	42
	MADHYA PRADESH	--	--	--	66	492	111	50	--	24	--	--	--	27	--	770
	MAHARASHTRA	--	--	--	26	280	33	137	--	51	--	--	--	21	3	551
	ORISSA	--	--	--	22	100	--	287	2	60	--	73	--	238	--	782
	TAMIL NADU	--	--	--	3	19	--	--	3	--	--	--	--	8	--	33
	UTTAR PRADESH	--	--	--	9	161	49	--	--	3	--	--	--	16	--	238
TOTAL : BAUXITE		--	--	--	302	4312	402	1275	14	339	1	84	--	694	5	7428
<b>5. CALCITE</b>																
	RAJASTHAN	--	--	--	24	355	152	112	--	84	--	75	--	53	3	858
<b>6. CHINA CLAY, CLAY, WHITE-CLAY</b>																
	ANDHRA PRADESH	--	--	--	13	81	--	17	32	4	--	--	--	--	--	147
	GUJARAT	--	--	--	76	281	--	20	--	16	--	14	--	12	--	419
	HARYANA	--	--	--	2	14	--	34	--	16	--	--	--	--	--	66
	JHARKHAND	--	--	--	6	84	43	7	1	52	--	127	46	173	28	567
	KARNATAKA	--	--	--	6	29	4	2	6	10	--	5	--	27	--	89
	KERALA	--	--	--	15	71	49	25	27	71	4	86	71	99	61	579
	ORISSA	--	--	--	18	25	--	--	--	--	--	--	--	9	7	59
	RAJASTHAN	--	--	--	74	172	21	41	--	28	--	--	--	62	2	400
	TAMIL NADU	--	--	--	--	11	--	--	--	3	--	--	--	--	--	14
	WEST BENGAL	--	--	--	11	116	--	96	--	4	15	172	--	--	15	429

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TOTAL : CHINA CLAY,CLAY,WHITE-	--	--	--	203	877	142	242	66	204	19	404	117	382	113	2769		
7. CHROMITE	KARNATAKA	5	61	--	10	30	30	29	2	24	4	27	27	52	1	302	
	ORISSA	80	441	225	132	1912	208	973	12	456	13	875	250	2578	115	8270	
TOTAL : CHROMITE		85	502	225	142	1942	238	1002	14	480	17	902	277	2630	116	8572	
8. COPPER	JHARKHAND	75	1012	217	--	--	--	--	--	46	--	235	--	119	1	1705	
	MADHYA PRADESH	--	--	--	18	117	--	94	--	36	--	58	--	39	--	362	
	RAJASTHAN	71	476	248	--	--	--	--	--	24	--	726	10	160	--	1715	
TOTAL : COPPER		146	1488	465	18	117	--	94	--	106	--	1019	10	318	1	3782	
9. DIAMOND	MADHYA PRADESH	--	--	--	4	18	--	4	--	5	2	44	--	23	--	100	
10. DOLOMITE	ANDHRA PRADESH	--	--	--	26	136	--	154	--	11	--	74	--	62	--	463	
	CHHATTISGARH	--	--	--	45	389	60	207	3	52	--	569	--	25	--	1350	
	JHARKHAND	--	--	--	4	244	--	2	--	12	--	--	--	32	--	294	
	KARNATAKA	--	--	--	11	46	52	33	--	12	--	--	--	6	--	160	
	MADHYA PRADESH	--	--	--	4	138	124	2	--	1	--	--	--	3	--	272	
	MAHARASHTRA	--	--	--	6	52	5	5	--	17	--	--	--	20	1	106	
	ORISSA	--	--	--	6	31	--	175	--	11	--	22	--	173	68	486	
	WEST BENGAL	--	--	--	--	--	--	--	--	31	--	--	--	--	--	31	
TOTAL : DOLOMITE		--	--	--	102	1036	241	578	3	147	--	665	--	321	69	3162	
11. FELSPAR	ANDHRA PRADESH	3	20	1	31	60	17	39	3	13	--	--	--	--	5	192	
	KARNATAKA	--	--	--	2	--	--	1	10	1	--	--	--	--	7	21	
	WEST BENGAL	--	--	--	1	14	--	--	--	2	--	--	--	--	--	17	
TOTAL : FELSPAR		3	20	1	34	74	17	40	13	16	--	--	--	--	12	230	
12. FIRE-CLAY	ANDHRA PRADESH	--	--	--	13	8	--	--	--	2	--	--	--	--	--	23	
	GUJARAT	--	--	--	2	32	--	2	--	--	--	--	--	--	--	36	
	MADHYA PRADESH	--	--	--	2	38	16	2	--	2	--	--	--	2	--	62	
	ORISSA	--	--	--	8	79	--	47	--	12	--	--	--	6	--	152	
	RAJASTHAN	--	--	--	18	93	8	20	4	8	--	--	--	4	--	155	
	TAMIL NADU	--	--	--	4	42	17	5	--	--	--	--	--	--	--	68	
	WEST BENGAL	--	--	--	1	28	--	3	--	2	--	--	--	--	--	34	
TOTAL : FIRE-CLAY		--	--	--	48	320	41	79	4	26	--	--	--	12	--	530	
13. FLUORITE	GUJARAT	--	--	--	2	27	--	--	--	3	--	--	--	--	--	32	
	MAHARASHTRA	--	--	--	2	29	15	1	--	1	--	--	--	4	--	52	
TOTAL : FLUORITE		--	--	--	4	56	15	1	--	4	--	--	--	4	--	84	

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Clerical & Supervisory staff Women	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
14. GALENA & SPHALARITE																		
ANDHRA PRADESH	2	--	8	--	--	--	--	--	--	--	--	--	--	--	30	--	40	
RAJASTHAN	157	648	553	30	--	--	676	2	556	5	144	1	1173	74	4019			
TOTAL : GALENA & SPHALARITE	159	648	561	30	--	--	676	2	556	5	144	1	1203	74	4059			
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	131	1114	357	--	--	--	--	--	480	60	--	--	898	76	3116			
UTTARANCHAL	2	5	--	--	--	--	--	--	3	--	--	--	12	--	22			
TOTAL : GOLD	138	1150	357	--	--	--	--	--	487	60	12	--	910	76	3190			
17. GRANITE																		
ANDHRA PRADESH	--	--	--	387	3047	1	1066	1	451	8	408	--	805	36	6210			
GOA	--	--	--	4	68	--	8	--	3	--	--	--	6	--	89			
KARNATAKA	--	--	--	143	690	17	186	--	102	2	9	--	106	1	1256			
KERALA	--	--	--	21	182	45	31	4	27	3	10	--	33	11	367			
MADHYA PRADESH	--	--	--	1	--	--	184	--	5	--	--	--	15	--	205			
ORISSA	--	--	--	2	19	--	5	--	2	--	--	--	2	--	30			
TAMIL NADU	--	--	--	200	1642	12	790	10	186	1	36	--	196	4	3077			
UTTAR PRADESH	--	--	--	1	--	--	114	--	20	--	62	--	29	--	226			
TOTAL : GRANITE	--	--	--	759	5648	75	2384	15	796	14	525	--	1192	52	11460			
18. GRAPHITE																		
JHARKHAND	--	--	--	1	82	--	1	--	1	--	2	--	--	--	87			
ORISSA	--	--	--	8	80	88	24	12	8	--	--	--	18	1	239			
TAMIL NADU	--	--	--	3	19	--	18	--	2	--	--	--	1	--	43			
TOTAL : GRAPHITE	--	--	--	12	181	88	43	12	11	--	2	--	19	1	369			
19. GYPSUM																		
JAMMU & KASHMIR	--	--	--	8	80	--	23	--	10	--	--	--	--	--	121			
RAJASTHAN	--	--	--	41	61	--	16	--	47	--	--	--	39	--	204			
TOTAL : GYPSUM	--	--	--	49	141	--	39	--	57	--	--	--	39	--	325			
20. IRON																		
ANDHRA PRADESH	--	--	--	38	110	--	105	--	5	--	--	--	21	--	279			
CHHATTISGARH	--	--	--	140	1444	5	595	14	388	--	1312	--	1005	69	4972			
GOA	--	--	--	418	2350	11	2455	--	480	3	582	--	1025	59	7383			
JHARKHAND	--	--	--	133	1318	4	756	--	952	12	2000	28	4595	170	9968			
KARNATAKA	--	--	--	390	2822	60	1871	21	550	5	67	--	667	6	6459			
MADHYA PRADESH	--	--	--	5	26	--	23	--	60	--	--	--	31	--	145			
MAHARASHTRA	--	--	--	47	501	3	187	--	59	--	--	--	33	--	830			
ORISSA	--	--	--	765	7791	1157	4085	119	2295	43	4267	49	3810	381	24762			
RAJASTHAN	--	--	--	10	91	--	128	--	20	--	215	--	28	--	492			

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TOTAL : IRON		--	--	--	1946	16453	1240	10205	154	4809	63	8443	77	11215	685	55290
21. KYANITE	JHARKHAND	--	--	--	2	18	--	16	--	1	--	--	--	4	--	41
	MAHARASHTRA	--	--	--	6	52	--	8	--	3	--	--	--	--	--	69
TOTAL : KYANITE		--	--	--	8	70	--	24	--	4	--	--	--	4	--	110
22. LATERITE	ANDHRA PRADESH	--	--	--	5	32	--	10	--	4	--	--	--	--	--	51
	KARNATAKA	--	--	--	2	36	--	64	--	11	--	--	--	--	--	113
	KERALA	--	--	--	1	18	5	--	--	5	--	--	--	3	1	33
	MADHYA PRADESH	--	--	--	1	16	23	--	--	1	--	--	--	--	--	41
	RAJASTHAN	--	--	--	11	39	--	62	--	7	--	--	--	14	--	133
TOTAL : LATERITE		--	--	--	20	141	28	136	--	28	--	--	--	17	1	371
23. LIMESTONE	ANDAMAN & NICOBAR IS	--	--	--	2	46	--	10	--	--	--	--	--	--	--	58
	ANDHRA PRADESH	2	--	2	323	1397	9	645	--	234	5	99	--	412	18	3146
	ASSAM	--	--	--	8	87	--	34	--	6	--	9	--	12	--	156
	BIHAR	--	--	--	6	27	3	79	--	9	--	--	--	34	1	159
	CHHATTISGARH	--	--	--	93	417	--	498	--	104	--	80	--	319	10	1521
	GUJARAT	--	--	--	140	951	205	210	--	103	--	30	1	110	--	1750
	HIMACHAL PRADESH	--	--	--	67	733	12	212	--	47	--	29	--	63	3	1166
	HARYANA	--	--	--	1	11	--	2	--	1	--	--	--	1	--	16
	JHARKHAND	--	--	--	44	558	69	180	6	131	2	24	--	290	6	1310
	JAMMU & KASHMIR	--	--	--	1	32	--	--	--	5	--	--	--	--	--	38
	KARNATAKA	--	--	--	118	680	12	395	15	148	--	74	--	58	3	1503
	KERALA	--	--	--	4	60	--	57	--	12	--	121	--	--	--	254
	MEGHALAYA	--	--	--	41	221	--	140	--	37	2	--	--	59	7	507
	MADHYA PRADESH	--	--	--	210	2068	126	506	2	131	2	243	27	665	30	4010
	MAHARASHTRA	--	--	--	38	194	13	178	--	39	--	15	--	88	--	565
	ORISSA	--	--	--	186	1098	322	513	--	55	2	273	10	520	46	3025
	RAJASTHAN	--	--	--	353	5392	433	1262	179	419	8	295	19	382	39	8781
	TAMIL NADU	--	--	--	164	1050	31	502	--	129	--	40	--	117	--	2033
	UTTARANCHAL	--	--	--	5	24	--	2	--	33	--	--	--	--	--	64
	UTTAR PRADESH	--	--	--	8	40	--	10	--	11	--	--	--	--	--	69
TOTAL : LIMESTONE		2	--	2	1812	15086	1235	5435	202	1654	21	1332	57	3130	163	30131
24. MAGNESITE	JHARKHAND	--	--	--	1	27	19	--	--	6	--	--	--	4	--	57
	KARNATAKA	--	--	--	10	45	27	46	6	11	1	16	--	24	--	186
	TAMIL NADU	--	--	--	31	428	93	559	799	30	3	--	--	--	--	1943
	UTTARANCHAL	--	--	--	12	52	--	73	--	15	--	20	--	16	--	188
TOTAL : MAGNESITE		--	--	--	54	552	139	678	805	62	4	36	--	44	--	2374
25. MANGANESE	ANDHRA PRADESH	--	--	--	51	433	458	149	17	26	--	--	--	51	3	1188
	GOA	--	--	--	23	147	69	128	35	12	--	17	--	24	15	470
	GUJARAT	--	--	--	3	3	--	3	--	5	--	--	--	13	--	27
	JHARKHAND	--	--	--	4	3	--	37	--	7	--	18	--	5	--	74
	KARNATAKA	--	--	--	75	764	56	464	8	200	13	--	--	636	105	2321
	MADHYA PRADESH	116	1024	751	44	421	176	145	31	264	9	340	120	441	354	4236

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	MAHARASHTRA	57	718	214	72	878	162	469	128	125	24	462	195	472	42	4018
	ORISSA	--	--	--	116	1285	1101	179	37	230	17	15	1	1002	142	4125
	TOTAL : MANGANESE	173	1742	965	388	3934	2022	1574	256	869	63	852	316	2644	661	16459
26. MARBLE																
	GUJARAT	--	--	--	24	220	--	28	--	22	--	34	--	--	--	328
	MADHYA PRADESH	--	--	--	7	19	--	36	--	29	--	--	--	--	--	91
	RAJASTHAN	--	--	--	47	746	--	463	--	260	--	7	--	54	--	1577
	TOTAL : MARBLE	--	--	--	78	985	--	527	--	311	--	41	--	54	--	1996
27. MICA																
	ANDHRA PRADESH	29	84	69	16	87	--	24	1	30	--	19	12	29	61	461
	BIHAR	5	21	10	2	17	--	3	--	7	--	--	--	7	--	72
	JHARKHAND	2	11	2	--	--	--	--	--	3	--	--	--	7	--	25
	RAJASTHAN	--	--	--	2	12	--	--	--	--	--	--	--	--	--	14
	TOTAL : MICA	36	116	81	20	116	--	27	1	40	--	19	12	43	61	572
28. OCHRE																
	GUJARAT	--	--	--	--	16	--	--	--	--	--	--	--	--	--	16
	MADHYA PRADESH	2	--	12	--	--	--	--	--	1	--	4	--	--	--	19
	TOTAL : OCHRE	2	--	12	--	16	--	--	--	1	--	4	--	--	--	35
29. QUARTZ																
	ANDHRA PRADESH	--	--	--	14	182	14	43	--	10	--	--	--	4	27	294
	BIHAR	--	--	--	3	18	--	9	--	7	--	--	--	--	--	37
	CHHATTISGARH	--	--	--	2	114	9	--	--	6	1	--	--	--	--	132
	JHARKHAND	4	14	--	2	46	--	1	--	11	--	3	--	3	--	85
	ORISSA	--	--	--	9	80	9	31	--	3	--	--	--	3	--	135
	RAJASTHAN	--	--	--	2	60	1	14	--	6	--	--	--	11	--	94
	TAMIL NADU	--	--	--	9	65	128	13	--	3	--	--	--	--	--	218
	TOTAL : QUARTZ	4	14	--	41	565	161	111	--	46	1	3	--	21	28	995
30. SALT																
	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	1	--	--	--	10	--	11
31. SANDSTONE																
	ANDHRA PRADESH	--	--	--	5	--	--	97	--	95	--	248	--	--	7	452
	HARYANA	--	--	--	5	--	11	--	--	--	--	--	--	--	--	16
	JHARKHAND	--	--	--	2	21	1	--	--	1	--	--	--	5	1	31
	RAJASTHAN	--	--	--	7	315	--	19	1	12	--	12	--	--	--	366
	UTTAR PRADESH	--	--	--	3	--	--	33	--	2	--	--	--	--	--	38
	TOTAL : SANDSTONE	--	--	--	17	341	1	160	1	110	--	260	--	5	8	903

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Clerical & Supervisory staff Women	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32.	SELENITE																
	RAJASTHAN	--	--	--	4	--	--	8	--	6	--	--	--	2	--	20	
33.	SILICA																
	ANDHRA PRADESH	--	--	--	1	18	22	5	11	--	--	--	--	--	--	57	
	HARYANA	--	--	--	98	1097	--	293	--	182	--	25	--	190	--	1885	
	KARNATAKA	--	--	--	--	8	8	10	--	--	--	--	--	9	--	35	
	MAHARASHTRA	--	--	--	14	101	60	34	4	69	--	56	--	35	1	374	
	RAJASTHAN	--	--	--	15	76	5	70	10	33	--	121	128	31	--	489	
	TAMIL NADU	--	--	--	3	2	26	5	--	1	--	--	--	3	--	40	
	UTTAR PRADESH	--	--	--	--	--	--	--	--	--	--	--	--	4	--	4	
	TOTAL : SILICA	--	--	--	131	1302	121	417	25	285	--	202	128	272	1	2884	
34.	SILLIMANITE																
	ANDHRA PRADESH	--	--	--	7	47	--	76	--	120	3	217	25	--	--	495	
	KERALA	--	--	--	1	15	--	163	--	75	20	358	16	--	--	648	
	MAHARASHTRA	--	--	--	9	290	17	3	2	16	4	--	--	16	--	357	
	ORISSA	--	--	--	8	84	--	22	--	53	--	--	--	738	66	971	
	TAMIL NADU	--	--	--	7	1102	--	1	--	136	11	--	--	244	--	1501	
	TOTAL : SILLIMANITE	--	--	--	32	1538	17	265	2	400	38	575	41	998	66	3972	
35.	SLATE																
	HARYANA	--	--	--	4	154	--	9	--	12	--	--	--	--	--	179	
36.	STEATITE																
	ANDHRA PRADESH	3	9	14	14	81	--	8	--	7	5	3	4	9	14	171	
	BIHAR	--	--	--	1	7	--	7	--	4	--	--	--	--	--	19	
	JHARKHAND	--	--	--	3	8	--	11	--	2	--	--	--	--	--	24	
	MADHYA PRADESH	--	--	--	25	199	44	100	--	7	--	--	--	10	4	389	
	ORISSA	--	--	--	1	11	7	6	--	1	--	--	--	10	--	36	
	RAJASTHAN	7	91	207	120	965	139	748	33	143	--	7	--	231	109	2800	
	UTTARANCHAL	--	--	--	74	941	1	169	49	94	--	11	--	26	--	1365	
	UTTAR PRADESH	--	--	--	2	96	--	98	--	6	--	--	--	--	--	202	
	TOTAL : STEATITE	10	100	221	240	2308	191	1147	82	264	5	21	4	286	127	5006	
37.	STONE																
	ANDHRA PRADESH	--	--	--	29	62	--	19	--	4	--	--	--	1	--	115	
	BIHAR	--	--	--	9	31	--	24	--	13	--	4	--	12	--	93	
	GOA	--	--	--	12	35	--	118	9	13	1	--	--	29	--	217	
	GUJARAT	--	--	--	8	64	4	16	6	52	2	44	--	26	6	228	
	HARYANA	--	--	--	201	1821	--	75	--	153	--	--	--	53	--	2303	
	JHARKHAND	--	--	--	194	535	--	298	3	266	10	149	92	446	98	2091	
	KARNATAKA	--	--	--	1	18	--	--	1	3	--	--	--	--	--	23	
	KERALA	--	--	--	1	14	--	--	--	7	--	--	--	--	--	22	
	MAHARASHTRA	--	--	--	61	213	3	61	--	60	--	--	--	22	11	431	
	ORISSA	--	--	--	5	29	--	3	--	2	--	3	--	--	--	42	
	RAJASTHAN	--	--	--	22	88	--	5	--	81	--	--	--	19	--	215	
	TAMIL NADU	--	--	--	24	283	86	46	--	30	--	36	--	31	2	538	
	WEST BENGAL	--	--	--	57	284	--	132	--	175	--	129	--	78	29	884	
	TOTAL : STONE	--	--	--	624	3477	93	797	19	859	13	365	92	717	146	7202	

**STATEMENT NO. 1.3 (CONT)**

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 Men	Miners & Loaders Women	Others Men	Others Women	Clerical & Supervisory staff Men	Clerical & Supervisory staff Women	Workers attached to factories Men	Workers attached to factories Women	Others Men	Others Women		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
38.	VERMICULITE																
	ANDHRA PRADESH	--	--	--	1	8	7	--	--	4	--	--	--	--	--	--	20
	TAMIL NADU	--	--	--	2	9	--	4	--	4	--	--	--	--	--	--	19
	TOTAL : VERMICULITE	--	--	--	3	17	7	4	--	8	--	--	--	--	--	--	39
39.	WOLLASTONITE																
	RAJASTHAN	--	--	--	24	306	140	172	--	60	1	52	1	68	36	860	
40.	DUNITE																
	KARNATAKA	--	--	--	1	--	--	5	--	--	--	--	--	--	--	--	6
	TOTAL : METALLIFEROUS	779	5824	2987	7279	63594	6911	29478	1703	13463	369	16430	1136	27607	2551	180111	

**STATEMENT NO. 1.4**  
**STATEWISE DISTRIBUTION OF MINES, EMPLOYMENT AND OUTPUT FOR METALLIFEROUS MINES DURING THE YEAR 2012**

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					
			Men	Women	Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11		
<b>ANDAMAN &amp; NICOBAR ISLAND</b>												
1.	Limestone	1	--	58	--	--	--	58	Nil	Nil		
<b>TOTAL : ANDAMAN &amp; NICOBAR IS</b>		1	--	58	--	--	--	58	--	Nil		
<b>ANDHRA PRADESH</b>												
1.	Apatite & Rock Phospha	1	27	--	--	5	7	39	3765	7831		
2.	Asbestos	4	43	76	--	15	--	134	16658	134107		
3.	Barytes	4	9	292	14	182	63	560	117 (PR) 8882 1646531 (LM)	516 15457 5326883		
4.	China Clay,clay,etc.	6	--	111	32	4	--	147	118315 36910 (PR)	18969 34		
5.	Dolomite	7	--	316	--	147	--	463	633685 516522 (PR)	86258 241823		
6.	Felspar	7	24	130	20	13	5	192	487565 30332 (PR)	105139 52826		
7.	Fire-clay	2	--	21	--	2	--	23	3503	318		
8.	Galena & Sphalarite	1	10	--	--	30	--	40	1079	811		
9.	Garnet	2	--	28	10	38	--	76	156329	14902		
10.	Granite	98	--	4500	2	1664	44	6210	1448399 57252 (PR)	14389118 553953		
11.	Iron	15	--	253	--	26	--	279	2883466 33453 (FN)	3086789 7029		
12.	Laterite	3	--	47	--	4	--	51	151853 (LM)	219639		
13.	Limestone	82	4	2365	9	745	23	3146	69505873 2569 (FN) 41332 (LM)	9299590 1028 24799		
14.	Manganese	28	--	633	475	77	3	1188	967855 2529 (PR)	1859000 12643		
15.	Mica	20	182	127	1	78	73	461	6878286	83796		
16.	Quartz	13	--	239	14	14	27	294	273962 5660 (PR)	83886 1168		
17.	Sandstone	1	--	102	--	343	7	452	1388364	362238		
18.	Silica	3	--	24	33	--	--	57	411400	21513		
19.	Sillimanite	1	--	130	--	337	28	495	24179	193529		
20.	Stearite	10	26	103	--	19	23	171	71630 6030 (PR)	18729 4523		
21.	Stone	4	--	110	--	5	--	115	26211	1823		
22.	Vermiculite	1	--	9	7	4	--	20	6353	635		
<b>TOTAL : ANDHRA PRADESH</b>		313	325	9616	617	3752	303	14613	--	36333556		
<b>ASSAM</b>												
1.	Limestone	6	--	129	--	27	--	156	1874615	865310		
<b>TOTAL : ASSAM</b>		6	--	129	--	27	--	156	--	865310		

**STATEMENT NO. 1.4(Cont.)**

SL.	STATE/MINERAL	Number of mines submitting returns	Below- ground	A V E R A G E   D A I L Y   E M P L O Y M E N T				Total	OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.			
				Opencast		Aboveground							
				Men	Women	Men	Women						
1	2	3	4	5	6	7	8	9	10	11			
BIHAR													
1.	Limestone	3	--	112	3	43	1	159	517674	202713			
2.	Mica	3	36	22	--	14	--	72	3293057	9482			
3.	Quartz	2	--	30	--	7	--	37	67315	21609			
4.	Steatite	2	--	15	--	4	--	19	24380	3245			
5.	Stone	4	--	64	--	29	--	93	2191355	657718			
TOTAL : BIHAR		14	36	243	3	97	1	380	--	894767			
CHHATTISHGARH													
1.	Bauxite	10	--	2021	54	164	1	2240	2590615	1370610			
									113515 (PR)	13668			
2.	Dolomite	11	--	641	63	646	--	1350	3078097	1000161			
3.	Iron	10	--	2179	19	2705	69	4972	1364828	683779			
									10826858 (FN)	19961587			
									6546259 (LM)	17096205			
									8943811 (PR)	5731060			
4.	Limestone	18	--	1008	--	503	10	1521	28259604	4361459			
5.	Quartz	2	--	116	9	6	1	132	1628453 (PR)	2799470			
									29912	4677			
TOTAL : CHHATTISHGARH		51	--	5965	145	4024	81	10215	--	53022676			
GOA													
1.	Granite	2	--	80	--	9	--	89	160983	29244			
2.	Iron	84	--	5223	11	2087	62	7383	32374728	32507563			
									5190324 (FN)	1452877			
									2656236 (LM)	2046430			
									3476631 (PR)	7803372			
3.	Limestone			Employment with Manganese and Iron					653217 (FN)	685878			
4.	Manganese	12	--	298	104	53	15	470	42480 (LM)	68010			
5.	Stone	7	--	165	9	42	1	217	1843208	1837415			
6.	Vermiculite			Employment with Manganese Iron and Stone					35267 (PR)	60072			
									679456	215369			
									2205	1756			
TOTAL : GOA		105	--	5766	124	2191	78	8159	--	46707987			
GUJARAT													
1.	Bauxite	36	--	458	165	85	--	708	1766334	960339			
									173826 (PR)	50919			
2.	China Clay, clay, etc.	26	--	377	--	42	--	419	3202983	647693			
									6320 (FN)	7300			
									5534 (PR)	9131			
3.	Fire-clay	2	--	36	--	--	--	36	7550	755			
4.	Fluorite	1	--	29	--	3	--	32	Nil	Nil			
5.	Limestone	47	--	1301	205	243	1	1750	36641773	4286048			
									27450 (PR)	1799			
6.	Manganese	1	--	9	--	18	--	27	Nil	Nil			
7.	Marble	4	--	272	--	56	--	328	1198715	693745			
8.	Ochre	1	--	16	--	--	--	16	592	59			
9.	Stone	4	--	88	10	122	8	228	306732	35858			
TOTAL : GUJARAT		122	--	2586	380	569	9	3544	--	6693645			

**STATEMENT NO. 1.4(Cont.)**

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					
			Men	Women	Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11		
<b>HIMACHAL PRADESH</b>												
1. Barytes	1	16	--	--	--	--	16	588	882			
2. Dolomite		Employment with Limestone						4000	1516			
3. Limestone	34	--	1012	12	139	3	1166	14548221	2019962			
								101020 (PR)	27403			
4. Salt	1	--	--	--	11	--	11	Nil	Nil			
<b>TOTAL : HIMACHAL PRADESH</b>	<b>36</b>	<b>16</b>	<b>1012</b>	<b>12</b>	<b>150</b>	<b>3</b>	<b>1193</b>	<b>--</b>	<b>2049764</b>			
<b>HARYANA</b>												
1. China Clay,clay,etc.	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			
<b>TOTAL : HARYANA</b>	<b>42</b>	<b>--</b>	<b>3832</b>	<b>--</b>	<b>633</b>	<b>--</b>	<b>4465</b>	<b>--</b>	<b>3102310</b>			
<b>JHARKHAND</b>												
1. Bauxite	22	--	1730	--	332	2	2064	2417641	1028399			
2. China Clay,clay,etc.	10	--	97	44	352	74	567	118787	24202			
								285 (FN)	549			
								61821 (PR)	13883			
3. Copper	3	1304	--	--	400	1	1705	402620	461986			
4. Dolomite	1	--	250	--	44	--	294	276077	214220			
5. Gold	1	36	--	--	16	--	52	5052	22367			
6. Graphite	3	--	84	--	3	--	87	18894	9909			
7. Iron	25	--	2207	4	7547	210	9968	28594056	1440529			
								5532843 (FN)	1417630			
								3161022 (LM)	1090911			
								4079239 (PR)	3843197			
8. Kyanite	1	--	36	--	5	--	41	2198	2607			
9. Limestone	18	--	782	75	445	8	1310	2027893	404259			
								49191 (PR)	78506			
10. Magnesite	1	--	28	19	10	--	57	18551	12986			
11. Manganese	3	--	44	--	30	--	74	127936	32968			
12. Mica	2	15	--	--	10	--	25	19354	71			
13. Quartz	3	18	49	--	17	1	85	14200	40307			
14. Sandstone	1	--	23	1	6	1	31	11254	2251			
15. Steatite	2	--	22	--	2	--	24	Nil	Nil			
16. Stone	88	--	1027	3	861	200	2091	11763590	682678			
								55128 (PR)	4302			
<b>TOTAL : JHARKHAND</b>	<b>184</b>	<b>1373</b>	<b>6379</b>	<b>146</b>	<b>10080</b>	<b>497</b>	<b>18475</b>	<b>--</b>	<b>23793714</b>			
<b>JAMMU &amp; KASHMIR</b>												
1. Gypsum	3	--	111	--	10	--	121	54785	34786			
2. Limestone	1	--	33	--	5	--	38	224457	324060			
<b>TOTAL : JAMMU &amp; KASHMIR</b>	<b>4</b>	<b>--</b>	<b>144</b>	<b>--</b>	<b>15</b>	<b>--</b>	<b>159</b>	<b>--</b>	<b>358846</b>			

**STATEMENT NO. 1.4(Cont.)**

SL.	STATE/MINERAL	Number of mines submitting returns	Below- ground	A V E R A G E   D A I L Y   E M P L O Y M E N T				Total	OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.			
				Opencast		Aboveground							
				Men	Women	Men	Women						
1	2	3	4	5	6	7	8	9	10	11			
<b>KARNATAKA</b>													
1. Bauxite		2	--	28	2	12	--	42	Nil	Nil			
2. China Clay,clay,etc.		3	--	37	10	42	--	89	62600 (PR)	21910			
3. Chromite		4	66	69	32	103	32	302	21673	11369			
4. Dolomite		9	--	90	52	18	--	160	37990 (PR)	10960			
5. Felspar		2	--	3	10	1	7	21	216879	52744			
6. Gold		3	1602	--	--	1378	136	3116	265	56			
7. Granite		26	--	1019	17	217	3	1256	677673	3197830			
8. Iron		101	--	5083	81	1284	11	6459	110014	2094846			
									42605 (PR)	259456			
9. Laterite		1	--	102	--	11	--	113	14120494	8095281			
10. Limestone		57	--	1193	27	280	3	1503	9056369 (FN)	14208440			
11. Magnesite		5	--	101	33	51	1	186	3808792 (LM)	8546292			
									4325047 (PR)	6109351			
12. Manganese		18	--	1303	64	836	118	2321	21261	203501			
									75046 (PR)	2640			
13. Silica		6	--	18	8	9	--	35	153682 (PR)	326896			
14. Stone		2	--	19	1	3	--	23	2000	370			
15. Dunite		1	--	6	--	--	--	6	143530	38121			
									8586	1146			
TOTAL : KARNATAKA		240	1668	9071	337	4245	311	15632	--	50470486			
<b>KERALA</b>													
1. China Clay,clay,etc.		13	--	111	76	256	136	579	506443	104737			
									1864 (PR)	564			
2. Granite		13	--	234	49	70	14	367	747605	1598220			
									81082 (PR)	156667			
3. Laterite		2	--	19	5	8	1	33	85148	16156			
4. Limestone		2	--	121	--	133	--	254	14190	12615			
									598661 (PR)	59866			
5. Sillimanite		1	--	179	--	433	36	648	40818 (PR)	216658			
TOTAL : KERALA		32	--	679	130	907	187	1903	--	2165481			
<b>MEGHALAYA</b>													
1. Limestone		11	--	402	--	96	9	507	5174062	1536118			
TOTAL : MEGHALAYA		11	--	402	--	96	9	507	--	1536118			
<b>MADHYA PRADESH</b>													
1. Apatite & Rock Phospha		2	--	130	72	11	--	213	165078	207751			
2. Bauxite		13	--	608	111	51	--	770	577377	181717			
3. China Clay,clay,etc.			Employment with Steatite and Limestone						313575	91464			
4. Copper		1	--	229	--	133	--	362	2076301	1894832			
5. Diamond		1	--	26	--	72	2	100	131143	347936			
6. Dolomite		3	--	144	124	4	--	272	26510	81659			
7. Fire-clay		3	--	42	16	4	--	62	35318	2029			
8. Granite		1	--	185	--	20	--	205	Nil	Nil			
9. Iron		6	--	54	--	91	--	145	Nil	Nil			
									82988 (FN)	8678			
									43710 (LM)	4452			
10. Laterite		1	--	17	23	1	--	41	60107 (PR)	18032			
11. Limestone		44	--	2784	128	1039	59	4010	21750	653			
									40963765	6034712			

**STATEMENT NO. 1.4(Cont.)**

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					
			Men	Women	Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11		
12.	Manganese	20	1891	610	207	1045	483	4236	1109822 (PR) 738131 258371 (PR)	161447 3794016 2188128		
13.	Marble	3	--	62	--	29	--	91	24856	7203		
14.	Ochre	1	14	--	--	5	--	19	970	78		
15.	Steatite	4	--	324	44	17	4	389	44380	39012		
TOTAL : MADHYA PRADESH		103	1905	5215	725	2522	548	10915	--	15063797		
MAHARASHTRA												
1.	Bauxite	21	--	443	33	72	3	551	3866386	905545		
2.	Dolomite	4	--	63	5	37	1	106	96453	23739		
3.	Fluorite	1	--	32	15	5	--	52	97963 (PR) 27727 273 31 (FN) 2899 (LM)	162 18 1716		
4.	Iron	12	--	735	3	92	--	830	1737715	1345463		
5.	Kyanite	4	--	66	--	3	--	69	8165	2086		
6.	Limestone	13	--	410	13	142	--	565	10141233	1368586		
7.	Manganese	13	989	1419	290	1059	261	4018	1177542	5765219		
8.	Silica	9	--	149	64	160	1	374	414856	97807		
9.	Sillimanite	4	--	302	19	32	4	357	100185 (PR) 6515 1081 (LM) 48731 (PR)	55415 1722 6486 360881		
10.	Steatite	Employment with Sillimanite				Employment with Sillimanite				454		
11.	Stone	13	--	335	3	82	11	431	655202	164525		
TOTAL : MAHARASHTRA		94	989	3954	445	1684	281	7353	--	10644273		
ORISSA												
1.	Bauxite	5	--	409	2	371	--	782	4913803	2489265		
2.	China Clay, clay, etc.	1	--	18	25	9	7	59	7341 (PR)	2872		
3.	Chromite	23	746	3017	220	3909	378	8270	2041104	7291569		
4.	Dolomite	4	--	212	--	206	68	486	880589	526756		
5.	Fire-clay	7	--	134	--	18	--	152	24919	6023		
6.	Garnet	Employment with Iron Limestone and Sillimanite				Employment with Iron Limestone and Sillimanite				24011 (PR) 118112 (FN) 120585 (LM) 302745 (PR)		
7.	Granite	1	--	26	--	4	--	30	6002	31361		
8.	Graphite	13	--	112	100	26	1	239	24353	13387		
9.	Iron	107	--	12641	1276	10372	473	24762	56502788	63215234		
10.	Limestone	18	--	1797	322	848	58	3025	16862381 (FN) 13245263 (LM)	14882239 18696490		
11.	Manganese	37	--	1580	1138	1247	160	4125	12770614 (PR)	15795431		
12.	Quartz	6	--	120	9	6	--	135	3652707	1169144		
13.	Sillimanite	1	--	114	--	791	66	971	370068	790507		
14.	Steatite	1	--	18	7	11	--	36	706646 (PR)	779403		
15.	Stone	2	--	37	--	5	--	42	127269680	14681 144		
TOTAL : ORISSA		226	746	20235	3099	17823	1211	43114	--	117533 177		

**STATEMENT NO. 1.4(Cont.)**

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					
			Men	Women	Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11		
<b>RAJASTHAN</b>												
1. Apatite & Rock Phospha	4	--	772	--	414	18	1204	1688922	8512851			
2. Barytes	1	--	11	--	6	--	17	5820	2619			
3. Calcite	3	--	491	152	212	3	858	238727	132495			
4. China Clay,clay,etc.	23	--	287	21	90	2	400	845128	365852			
								79289 (PR)	10092			
5. Copper	2	795	--	--	910	10	1715	957745	1413279			
6. Dolomite		Employment with Wollastonite and Steatite						67114	10067			
7. Felspar		Employment with Wollastonite Steatite and Mica						24989	5489			
8. Fire-clay	11	--	131	12	12	--	155	547511	60189			
9. Galena & Sphalarite	12	1358	706	2	1873	80	4019	8589069	9082171			
10. Granite		Employment with Wollastonite Steatite and Mica						8043	79153			
11. Gypsum	39	--	118	--	86	--	204	3863866	2872642			
12. Iron	2	--	229	--	263	--	492	194753	490800			
								47620 (LM)	36005			
								1098232 (PR)	1039365			
13. Laterite	1	--	112	--	21	--	133	1720177	276782			
14. Limestone	95	--	7007	612	1096	66	8781	64458317	17567217			
								2529293 (FN)	1214061			
								13588658 (PR)	5160822			
15. Marble	14	--	1256	--	321	--	1577	1933854	1917365			
								436583 (PR)	361927			
16. Mica	2	--	14	--	--	--	14	2220860	6859			
17. Ochre		Employment with Wollastonite Steatite and Mica						9692	935			
18. Quartz	3	--	76	1	17	--	94	13841	2787			
								186627 (PR)	349067			
19. Sandstone	1	--	341	1	24	--	366	81161	225800			
20. Selenite	3	--	12	--	8	--	20	8067	11131			
21. Silica	6	--	161	15	185	128	489	112483	21677			
								195476 (PR)	77772			
22. Steatite	53	305	1833	172	381	109	2800	1103984	975035			
								63433 (PR)	39568			
23. Stone	3	--	115	--	100	--	215	252797	54040			
24. Wollastonite	3	--	502	140	180	38	860	186261	165210			
TOTAL : RAJASTHAN	281	2458	14174	1128	6199	454	24413	--	52541125			
<b>TAMIL NADU</b>												
1. Bauxite	2	--	22	--	11	--	33	305261	87594			
2. Felspar		Employment with Quartz						22	8			
								78 (PR)	189			
3. Fire-clay	3	--	51	17	--	--	68	53819	9660			
4. Garnet	5	--	1080	22	20	--	1122	702102	649722			
5. Granite	97	--	2632	22	418	5	3077	1270208	2662906			
								4226 (PR)	22507			
6. Graphite	1	--	40	--	3	--	43	63136	78294			
7. Limestone	63	--	1716	31	286	--	2033	29226412	7078355			
								214956 (PR)	39300			
8. Magnesite	9	--	1018	892	30	3	1943	517577	884255			
9. Quartz	6	--	87	128	3	--	218	10121	11470			
								2460 (PR)	5424			
10. Silica	3	--	10	26	4	--	40	1555	511			
11. Sillimanite	2	--	1110	--	380	11	1501	138775	43714			
								48102 (PR)	1057890			
12. Stone	10	--	353	86	97	2	538	1610988	79170			
13. Vermiculite	1	--	15	--	4	--	19	1565	2803			
TOTAL : TAMIL NADU	203	--	8145	1224	1259	21	10649	--	12713772			

**STATEMENT NO. 1.4(Cont.)**

SL.	STATE/MINERAL	Number of mines submitting returns	Below- ground	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.		
				Opencast		Aboveground					
				Men	Women	Men	Women				
1	2	3	4	5	6	7	8	9	10	11	
<b>UTTARANCHAL</b>											
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	--	51	--	188	43888	56984		
								20730 (FN)	9427		
								41081 (LM)	15947		
5. Steatite	31	--	1184	50	131	--	1365	3130033	1630031		
								12700 (PR)	7620		
<b>TOTAL : UTTARANCHAL</b>	<b>38</b>	<b>74</b>	<b>1352</b>	<b>50</b>	<b>459</b>	<b>--</b>	<b>1935</b>	<b>--</b>	<b>1727786</b>		
<b>UTTAR PRADESH</b>											
1. Bauxite	4	--	170	49	19	--	238	4335	9617		
								16597 (PR)	4171		
2. Granite	3	--	115	--	111	--	226	12711	148989		
3. Limestone	1	--	58	--	11	--	69	3193450	478105		
4. Sandstone	1	--	36	--	2	--	38	404715	96753		
5. Silica	1	--	--	--	4	--	4	Nil	Nil		
6. Steatite	1	--	196	--	6	--	202	1278	767		
<b>TOTAL : UTTAR PRADESH</b>	<b>11</b>	<b>--</b>	<b>575</b>	<b>49</b>	<b>153</b>	<b>--</b>	<b>777</b>	<b>--</b>	<b>738402</b>		
<b>WEST BENGAL</b>											
1. Apatite & Rock Phospha	1	--	76	--	22	3	101	Nil	Nil		
2. China Clay,clay,etc	6	--	223	--	176	30	429	91418	22953		
								12983 (LM)	12204		
								18215 (PR)	1730		
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	18665	1315		
6. Stone	21	--	473	--	382	29	884	1345813	110207		
<b>TOTAL : WEST BENGAL</b>	<b>31</b>	<b>--</b>	<b>819</b>	<b>--</b>	<b>615</b>	<b>62</b>	<b>1496</b>	<b>--</b>	<b>149928</b>		
<b>TOTAL : METALLIFEROUS</b>	<b>2148</b>	<b>9590</b>	<b>100351</b>	<b>8614</b>	<b>57500</b>	<b>4056</b>	<b>180111</b>	<b>--</b>	<b>448843422</b>		

\* 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 2012 : STATE-DISTRICT WISE

STATE/DISTRICT	MINES SUBMI- TTING RETURNS												A V E R A G E      D A I L Y      E M P L O Y M E N T				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	7	1053	2018	2018	--	271	33	--	444	--	2	1268	1738077	34714929	3073852	13501831				
ARUNACHAL PRADESH																				
Changlang	1	84	142	138	4	9	--	31	13	--	3	86	95765	4110014	21494	12852				
ASSAM																				
Dibrugarh	4	1359	2609	2585	24	32	74	--	1042	--	--	1461	--	--	4806000	35395219				
Jorhat	2	2	233	229	4	56	2	21	82	--	8	64	179198	8220000	55096	63000				
Sibsagar	11	490	2756	2749	7	1037	3	300	359	320	41	696	1038329	19019446	507538	1657712				
Cachar	1	--	66	66	--	52	--	10	4	--	--	197	3538	17773	50754					
Golaghat	1	36	40	40	--	2	--	19	11	--	--	8	--	--	--	--				
TOTAL:ASSAM	19	1887	5704	5669	35	1179	79	350	1498	320	49	2229	1217724	27242984	5386407	37166685				
BIHAR																				
Kishanganj	1	--	47	47	--	1	--	39	--	--	1	6	--	--	--	--				
GUJARAT																				
Ahmedabad	4	819	1698	1683	15	623	1	5	153	--	--	916	1499823	26935321	246655	1109947				
Bharuch	1	1704	4757	4653	104	1653	--	--	--	--	3104	1270506	15932069	1484404	5424309					
Gandhinagar	3	47	52	52	--	11	--	--	24	--	--	17	6016	121075	190	582				
Kheda	1	--	4	4	--	--	--	--	3	--	--	1	21814	416335	260739	787432				
Mehsana	12	974	2795	2779	16	554	18	266	444	59	3	1451	2288855	43072502	181543	805619				
Surat	3	75	135	134	1	15	--	--	35	--	4	81	251630	9473061	325595	2430238				
Koira	1	20	95	95	--	7	1	--	87	--	--	--	193085	3951121	8830	53035				
Anand	4	54	162	158	4	16	--	--	109	11	4	22	211445	8274258	9644	95705				
TOTAL:GUJARAT	29	3693	9698	9558	140	2879	20	271	855	70	11	5592	5743174	108175742	2517600	10706867				
JHARKHAND																				
Hazaribagh	1	--	17	17	--	--	1	14	--	--	1	1	--	--	--	--				
Bokaro	6	22	189	189	--	36	3	5	92	--	6	47	31707	95429	3655145	10956353				
TOTAL:JHARKHAND	7	22	206	206	--	36	4	19	92	--	7	48	31707	95429	3655145	10956353				
MADHYA PRADESH																				
Shahdol	3	185	254	252	2	66	10	22	--	8	6	142	--	--	360872	1431499				
PONDICHERRY																				
Karaikal	2	143	711	711	--	8	--	148	118	--	--	437	243562	11057300	1212283	10060500				
RAJASTHAN																				
Barmer	4	--	1801	1801	--	36	3	51	128	--	6	1577	8260922	293040210	373245	678150				
Jaisalmer	2	16	103	103	--	39	14	--	12	--	9	29	--	--	36285	151708				
TOTAL:RAJASTHAN	6	16	1904	1904	--	75	17	51	140	--	15	1606	8260922	293040210	409530	829858				

STATEMENT NO. 1.5(Cont.)

STATE/DISTRICT	EMPLOYMENT												OIL		GAS	
	MINES SUBMI- TTING RETURNS	A V E R A G E	D A I L Y	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
<b>TAMIL NADU</b>																
Thanjavur	1	133	268	268	--	2	--	--	114	--	--	152	249076	10044600	1246759	8923800
Cuddalore	1	42	50	50	--	5	1	17	--	--	--	27	--	--	--	--
NAGAPATTINAM	1	--	135	135	--	25	2	--	15	--	2	91	--	--	376	2170643
OFFSHORE	1	124	142	136	6	6	16	--	88	--	--	32	97957	3578977	--	--
<b>TOTAL:TAMIL NADU</b>	<b>4</b>	<b>299</b>	<b>595</b>	<b>589</b>	<b>6</b>	<b>38</b>	<b>19</b>	<b>17</b>	<b>217</b>	<b>--</b>	<b>2</b>	<b>302</b>	<b>347033</b>	<b>13623577</b>	<b>1247135</b>	<b>11094443</b>
<b>TRIPURA</b>																
West Tripura	2	--	139	139	--	--	--	--	114	--	8	17	--	--	633376	3133519
<b>WEST BENGAL</b>																
Birbhum	1	195	298	298	--	7	2	75	9	8	6	191	--	--	863091	4244596
Burdwan	2	996	1029	1029	--	48	100	280	93	--	1	507	--	--	9376	42192
Midnapore	1	--	44	44	--	1	--	36	--	--	1	6	--	--	--	--
<b>TOTAL:WEST BENGAL</b>	<b>4</b>	<b>1191</b>	<b>1371</b>	<b>1371</b>	<b>--</b>	<b>56</b>	<b>102</b>	<b>391</b>	<b>102</b>	<b>8</b>	<b>8</b>	<b>704</b>	<b>--</b>	<b>--</b>	<b>872467</b>	<b>4286788</b>
<b>TOTAL: OIL</b>	<b>85</b>	<b>8573</b>	<b>22789</b>	<b>22602</b>	<b>187</b>	<b>4618</b>	<b>284</b>	<b>1339</b>	<b>3593</b>	<b>406</b>	<b>112</b>	<b>12437</b>	<b>17677964</b>	<b>492060185</b>	<b>19390161</b>	<b>103181195</b>

STATEMENT NO. 1.6  
CLASSIFICATION OF NON-COAL MINES BY SIZE OF THEIR OVERALL AVERAGE DAILY EMPLOYMENT DURING THE YEAR 2012

SL. NO.	MINERAL	NUMBER OF MINES EMPLOYING PERSONS											
		UPTO 20	21 TO 50	51 TO 100	100 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1200	1201 TO 1600	ABOVE 1600	TOTAL
		3	4	5	6	7	8	9	10	11	12	13	14
1. Oil		16	13	13	8	11	9	4	7	3	1	1	86
2. APATITE & ROCK PHOSPHATE		1	3	2	1	3	--	--	--	1	--	--	11
3. ASBESTOS		1	2	1	--	--	--	--	--	--	--	--	4
4. BARYTES		3	2	--	--	--	--	1	--	--	--	--	6
5. BAUXITE		46	35	16	8	4	3	1	1	1	--	--	115
6. CALCITE		1	--	--	--	--	1	1	--	--	--	--	3
7. CHINA CLAY, CLAY, WHITE-		55	25	8	1	--	2	--	--	--	--	--	91
8. CHROMITE		2	4	5	2	3	5	1	3	--	1	1	27
9. COPPER		--	1	--	--	--	1	1	1	1	1	--	6
10. DIAMOND		--	--	1	--	--	--	--	--	--	--	--	1
11. DOLOMITE		15	11	5	2	2	4	1	--	--	--	--	40
12. FELSPAR		5	4	1	--	--	--	--	--	--	--	--	10
13. FIRE-CLAY		20	9	--	--	--	--	--	--	--	--	--	29
14. FLUORITE		--	1	1	--	--	--	--	--	--	--	--	2
15. GALENA & SPHALARITE		2	1	1	2	3	2	--	1	--	--	0	13
16. GARNET		1	5	--	--	--	--	--	--	1	--	--	7
17. GOLD		--	1	1	--	2	--	--	--	--	--	0	5
18. GRANITE		72	115	31	14	4	3	1	1	--	--	--	241
19. GRAPHITE		11	5	1	--	--	--	--	--	--	--	--	17
20. GYPSUM		39	3	--	--	--	--	--	--	--	--	--	42
21. IRON		81	96	61	32	34	24	10	12	8	1	1	362
22. KYANITE		3	2	--	--	--	--	--	--	--	--	--	5
23. LATERITE		4	2	--	2	--	--	--	--	--	--	--	8
24. LIMESTONE		185	159	108	32	16	9	4	1	3	--	--	517
25. MAGNESITE		3	4	3	2	2	1	--	--	1	--	--	16
26. MANGANESE		38	43	21	6	8	5	1	5	4	--	0	132
27. MARBLE		6	9	2	--	3	--	--	--	1	--	--	21
28. MICA		12	15	--	--	--	--	--	--	--	--	--	27
29. OCHRE		2	--	--	--	--	--	--	--	--	--	--	2
30. QUARTZ		14	16	5	--	--	--	--	--	--	--	--	35
31. SALT		1	--	--	--	--	--	--	--	--	--	--	1
32. SANDSTONE		1	2	--	--	--	1	1	--	--	--	--	5
33. SELENITE		3	--	--	--	--	--	--	--	--	--	--	3
34. SILICA		14	12	8	1	4	3	--	--	--	--	--	42
35. SILLIMANITE		1	2	--	--	--	1	2	1	2	--	--	9
36. SLATE		--	--	2	--	--	--	--	--	--	--	--	2
37. STEATITE		35	43	15	1	8	2	--	--	--	--	--	104
38. STONE		82	66	20	3	6	4	--	--	--	--	--	181
39. VERMICULITE		2	--	--	--	--	--	--	--	--	--	--	2

**STATEMENT NO. 1.6 (Cont.)**

SL. NO.	MINERAL	NUMBER OF MINES EMPLOYING PERSONS											
		UPTO 20	21 TO	51 TO	100 TO	151 TO	251 TO	401 TO	501 TO	801 TO	1201 TO	ABOVE 1600	TOTAL
		50	100	150	250	400	500	800	1200	1600			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
40.	WOLLASTONITE	--	--	--	--	1	2	--	--	--	--	--	3
41.	DUNITE	1	--	--	--	--	--	--	--	--	--	--	1
TOTAL : NON-COAL		778	711	332	117	114	82	29	33	26	4	8	2234

**STATEMENT NO. 1.7**  
**CLASSIFICATION OF NON-COAL MINES HAVING WORKING BELOWGROUND BY SIZE OF THEIR OVERALL & BELOWGROUND AVERAGE DAILY EMPLOYMENT DURING THE YEAR 2012**

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
1.	Apatite & Rock Phospha	Upto 50 51 - 75	2 --	-- 1	-- --	-- --	-- --	-- --	-- --	2 1
2.	Asbestos	Upto 50	2	--	--	--	--	--	--	2
3.	Barytes	Upto 50	2	--	--	--	--	--	--	2
4.	Chromite	Upto 50 51 - 75 76 - 150 301 - 450	2 1 2 --	-- -- -- --	-- -- -- 1	-- -- -- --	-- -- -- 1	-- -- -- --	2 2 2 1	
5.	Copper	Upto 50 301 - 450 451 - 600 Above 600	1 -- -- --	-- 1 -- --	-- 1 -- --	-- 1 -- --	-- 1 -- 1	-- -- -- 1	1 2 1 1	
6.	Felspar	Upto 50	1	--	--	--	--	--	--	1
7.	Galena & Sphalarite	Upto 50 51 - 75 76 - 150 151 - 300 301 - 450 451 - 600	2 2 -- -- 1 --	-- -- -- -- -- 1	-- -- -- -- -- 1	-- -- -- -- -- 1	-- -- -- -- -- 1	-- -- -- -- -- 1	2 2 1 1 1 1	
8.	Gold	Upto 50 76 - 150 Above 600	2 -- --	-- 2 --	-- -- --	-- -- --	-- -- --	-- -- 1	-- -- 1	2 2 1
9.	Limestone	Upto 50	1	--	--	--	--	--	--	1
10.	Manganese	Upto 50 51 - 75 76 - 150 151 - 300 301 - 450 Above 600	2 1 -- 1 1 --	-- -- 3 1 1 --	-- -- -- 1 1 --	-- -- -- 1 1 --	-- -- -- 1 1 --	-- -- 3 3 1 1	2 1 3 3 1 1	
11.	Mica	Upto 50	15	--	--	--	--	--	--	15
12.	Ochre	Upto 50	1	--	--	--	--	--	--	1
13.	Quartz	Upto 50	1	--	--	--	--	--	--	1
14.	Steatite	Upto 50 151 - 300	6 --	-- 1	-- --	-- --	-- 1	-- 2	-- 3	6 1
All Mineral		Upto 50 51 - 75 76 - 150 151 - 300 301 - 450 451 - 600 Above 600	40 4 8 3 1 2 --	-- 2 -- 1 1 2 --	-- -- -- 1 1 2 --	-- -- -- 1 1 2 --	-- -- -- 1 1 2 1	-- -- -- -- -- -- 2	40 6 8 5 5 2 3	
TOTAL : NON-COAL			44	14	2	4	2	1	2	69

**STATEMENT NO. 1.8**  
**AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR**      **2012: DGMS FIELD OFFICewise**

REGION / MINERAL	NO. OF MINES SUBMITTING RETURNS	NO. OF MINES B/G	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.		
	1	2	3	4	5	6	7	8	9	10	11	12
1. KODERMA												
Oil	7	--	--	--	236	236	--	--	15560	31707	95429	
Limestone	3	--	--	115	44	159	203014	5066	140	3655144674 (GS)	10956353	
Mica	4	2	36	22	20	78	2041	--	40	517674	202713	
Quartz	2	--	--	30	7	37	--	--	--	3293057	9482	
Steatite	2	--	--	15	4	19	2115	--	90	67315	21609	
Stone	6	--	--	92	51	143	21385	4986	489	24380	3245	
TOTAL : KODERMA	24	2	36	274	362	672	228555	10052	16319	--	11946641	
2. GUWAHATI												
Oil	21	--	--	--	5945	5945	--	--	313806	1313489	31352997	
Dolomite	1	--	--	--	31	31	--	--	6041276410 (GS)	Nil	40313056	
Limestone	17	--	--	531	132	663	1060445	25249	2216	7048677	Nil	
TOTAL : GUWAHATI	39	--	--	531	6108	6639	1060445	25249	316022	--	2401428	
3. SITARAMPUR I												
Oil	2	--	--	--	1029	1029	--	--	27009	9376086 (GS)	42192	
Stone	1	--	--	9	15	24	1750	--	50	9714	1066	
TOTAL : SITARAMPUR I	3	--	--	9	1044	1053	1750	--	27059	--	43259	
4. SITARAMPUR II												
Oil	2	--	--	--	342	342	--	--	25940	863091380 (GS)	4244596	
Apatite & Rock Phospha	1	--	--	76	25	101	--	390	80	Nil	Nil	
China Clay,clay,white-	6	--	--	223	206	429	--	310	1157	91418	22953	
Felspar	1	--	--	15	2	17	--	--	--	12983 (LM)	12204	
Fire-clay	1	--	--	32	2	34	--	--	--	18215 (PR)	1730	
Limestone	1	--	--	58	--	58	7526	--	23	2708 (LM)	1312	
Stone	19	--	--	460	396	856	119808	4468	4547	Nil	Nil	
TOTAL : SITARAMPUR II	31	--	--	864	973	1837	127334	5168	31747	--	107224	
5. SITARAMPUR III												
China Clay,clay,white-	3	--	--	98	330	428	--	--	552	75165	7742	
Sandstone	1	--	--	24	7	31	--	--	22	52776 (PR)	9915	
Steatite	1	--	--	22	1	23	930	--	40	11254	2251	
Stone	86	--	--	991	1038	2029	380947	2521	3885	Nil	Nil	
										11782564	684449	
										55128 (PR)	4302	

**STATEMENT NO. 1.8 (cont)**

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.
	1	2	3	B/G	O/C	A/G	TOTAL	8	9	10	11
TOTAL : SITARAMPUR III	91	--	--	1135	1376	2511	381877	2521	4499	--	708659
6. AHMEDABAD											
Oil	24	--	--	--	4711	4711	--	--	138087	4027953 698769660 (GS)	78819493 2799286
Bauxite	36	--	--	623	85	708	75082	3727	307	1766334 173826 (PR)	960339 50919
China Clay,clay,white-	18	--	--	250	25	275	--	1875	38	3029853 6320 (FN)	598404 7300
Fire-clay	2	--	--	36	--	36	--	--	--	7550	755
Limestone	46	--	--	1496	191	1687	1773726	71547	10327	36436173 27450 (PR)	4275008 1799
Marble				Employment, Explosives and Machinery with Limestone						446663 2200	
Stone				1	--	28	29	57	250	101719	10172
TOTAL : AHMEDABAD	127	--	--	2433	5041	7474	1860578	77149	149009	--	87525673
7. SURAT											
Oil	4	--	--	--	4892	4892	--	--	50973	1522136 1809998406 (GS)	25405130 7854548
Apatite & Rock Phospha	1	--	--	163	8	171	33050	--	--	154074	186195
China Clay,clay,white-	5	--	--	90	--	90	--	--	--	82320	9435
Fluorite	1	--	--	29	3	32	4025	1440	--	Nil	Nil
Manganese	1	--	--	9	18	27	--	1540	--	Nil	Nil
Ochre	1	--	--	16	--	16	--	--	--	592	59
Stone	1	--	--	20	78	98	48179	1474	390	55788	7197
TOTAL : SURAT	14	--	--	327	4999	5326	85254	4454	51363	--	33462563
8. UDAIPUR											
Oil	1	--	--	--	95	95	--	--	1293	193085 8830000 (GS)	3951121 53035
Apatite & Rock Phospha	4	--	--	772	432	1204	2487602	14039	3252	1688922	8512851
Barytes	1	--	--	11	6	17	555	250	--	5820	2619
Calcite	2	--	--	346	117	463	62129	1078	198	145032	74178
China Clay,clay,white-	3	--	--	37	17	54	--	--	30	90810 5534 (PR)	39855 9131
Dolomite				Employment, Explosives and Machinery with Wollastonite and Steatite						67114	10067
Galena & Sphalarite	9	5	1171	--	820	1991	1567445	--	75736	2450120	2798307
Gypsum	1	--	--	1	1	2	--	--	--	Nil	Nil
Limestone	19	--	--	897	433	1330	6009940	142304	38798	38503085	4437018
Manganese	1	--	--	171	47	218	--	--	--	66879	40127
Marble	12	--	--	1417	331	1748	38400	29473	16161	2523379	2486744
Steatite	33	4	305	1274	417	1996	1186650	23259	2406	436583 (PR)	361927
Stone	2	--	--	50	23	73	1808	--	260	149225	18489
Wollastonite	3	--	--	642	218	860	176932	7589	483	186261	165210
TOTAL : UDAIPUR	91	9	1476	5618	2957	10051	11531461	217992	138617	--	23683855
9. AJMER											
Oil	7	--	--	--	1944	1944	--	--	82847	8260922 409530201 (GS)	293040210 829858

**STATEMENT NO. 1.8 (cont)**

REGION / MINERAL	NO. OF MINES SUBMITTING RETURNS	NO. OF B/G MINES	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	2	3	4	5	6		8	9	10	11	12
Calcite	1	--	--	297	98	395	61384	1128	148	93695	58317
China Clay,clay,white-	23	--	--	308	92	400	977	4550	16	845128	365852
Copper	2	2	795	--	920	1715	774976	1480	25625	957745	1413279
Felspar			Employment, Explosives and Machinery with Mica							24989	5489
Fire-clay	11	--	--	143	12	155	--	--	--	547511	60189
Galena & Sphalarite	3	2	187	708	1133	2028	716730	22057	98262	6138949	6283864
Granite			Employment, Explosives and Machinery with Mica and Copper							8043	79153
Gypsum	38	--	--	117	85	202	--	21501	--	3863866	2872642
Iron	2	--	--	229	263	492	224075	12105	6257	194753	490800
										47620 (LM)	36005
Limestone	27	--	--	1370	350	1720	5931398	76782	12506	13181078	3099530
										2529293 (FN)	1214061
Marble	5	--	--	101	42	143	3343	2310	55	144400	104457
Mica	2	--	--	14	--	14	--	--	2	2220860	6859
Ochre			Employment, Explosives and Machinery with Mica Copper and China Clay,clay,white-clay							9692	935
Quartz	3	--	--	77	17	94	5365	--	--	13841	2787
										186627 (PR)	349067
Sandstone	1	--	--	342	24	366	38650	3998	284	81161	225800
Selenite	3	--	--	12	8	20	--	192	--	8067	11131
Silica	5	--	--	142	303	445	31379	4620	1625	85602	20837
										195476 (PR)	7772
Steatite	17	--	--	610	67	677	194558	16067	1609	439388	175754
Stone	3	--	--	115	100	215	26400	550	--	252519	53961
TOTAL : AJMER	153	4	982	4585	5458	11025	8009235	167340	229236	--	316663485
10. GWALIOR											
Apatite & Rock Phospha	1	--	--	39	3	42	4775	--	--	11004	21556
Bauxite	5	--	--	246	21	267	2312	--	--	7098	11780
										16597 (PR)	4171
Granite	4	--	--	300	131	431	10325	11552	540	12711	148989
Laterite	1	--	--	112	21	133	152575	6680	1062	1720177	276782
Limestone	54	--	--	5524	532	6056	1173498	68928	14355	21527867	10463433
										245375 (PR)	425403
Steatite	6	--	--	594	27	621	14221	50	--	49168	40641
Stone			Employment, Explosives and Machinery with Steatite and Limestone							278	79
TOTAL : GWALIOR	71	--	--	6815	735	7550	1357706	87210	15957	--	11392834
11. GHAZIABAD											
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	Nil	Nil
Barytes	1	1	16	--	--	16	103	--	--	588	882
China Clay,clay,white-	2	--	--	50	16	66	--	--	--	86592	4661
Dolomite			Employment, Explosives and Machinery with Limestone							4000	1516
Gold	1	1	7	--	15	22	45	--	3	Nil	Nil
Gypsum	3	--	--	111	10	121	6636	--	--	54785	34786
Limestone	38	--	--	1102	182	1284	2278351	53991	4484	14855918	2352171
										101020 (PR)	27403
Magnesite	1	--	--	137	51	188	31431	745	283	43888	56984
										20730 (FN)	9427
Marble	1	--	--	10	4	14	--	--	170	18127	17708
Salt	1	--	--	--	11	11	--	--	8	Nil	Nil

**STATEMENT NO. 1.8 (cont)**

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.	
	1	2	3	4	5	6	7	8	9	10	11
Sandstone	1	--	--	16	--	16	--	400	--	226986	8371
Silica	15	--	--	1522	407	1929	501772	1607	1003	9417552	1628433
Slate	2	--	--	167	12	179	--	1071	20	150164	142392
Steatite	31	--	--	1234	131	1365	--	--	--	3130033	1630031
Stone	22	--	--	2097	206	2303	1218780	19976	1620	11190372	805065
										6639167 (PR)	464322
TOTAL : GHAZIABAD	122	4	90	6446	1274	7810	4037698	77790	9908	--	7257254
12. VARANASI											
Limestone	3	--	--	122	29	151	707571	16298	467	5225956	806179
Sandstone	1	--	--	36	2	38	19443	1632	--	404715	96753
Silica	1	--	--	4	4	--	--	--	--	Nil	Nil
Steatite	2	--	--	91	6	97	9497	770	43	104230	75244
										63433 (PR)	39568
TOTAL : VARANASI	7	--	--	249	41	290	736511	18700	510	--	1017745
13. GOA											
Bauxite	22	--	--	498	84	582	140309	13394	1765	3866386	905545
Dolomite	2	--	--	43	11	54	342	--	--	62600 (PR)	21910
Granite	6	--	--	605	108	713	57523	8745	45	60421	16549
Iron	96	--	--	5787	2241	8028	716910	451014	49296	196223	914808
										34731955	34066906
Laterite	1	--	--	102	11	113	--	1710	200	5694164 (FN)	1720326
Limestone	9	--	--	84	31	115	19941	1991	100	2746512 (LM)	2126034
										3476631 (PR)	7803372
Manganese	14	--	--	458	85	543	40	11580	1960	159350 (PR)	25018
Silica	9	--	--	213	161	374	894	--	1553	43367 (PR)	1838881
Stone	20	--	--	508	103	611	396370	20750	1681	414856	68352
Vermiculite				Employment, Explosives and Machinery with Limestone Manganese and Iron						100185 (PR)	97807
										55415	55415
TOTAL : GOA	179	--	--	8298	2835	11133	1332329	509184	56600	--	378509
										2205	1756
14. HYDERABAD I											
Oil	7	--	--	--	2018	2018	--	--	143662	294640	7218680
Apatite & Rock Phospha	1	1	27	--	12	39	2158	--	60	1297602633 (GS)	7607354
Barytes	2	--	--	31	11	42	100	--	--	3765	7831
China Clay, clay, white-	2	--	--	29	3	32	--	--	12	5325	2130
Dolomite	1	--	--	62	145	207	201575	4848	2164	16590 (PR)	53353
Fire-clay	2	--	--	21	2	23	--	--	--	3503	318
Garnet	2	--	--	38	38	76	--	--	--	156329	14902
Granite	11	--	--	396	53	449	423249	1675	93	38687	250631
										8511 (PR)	14344

**STATEMENT NO. 1.8 (cont)**

REGION / MINERAL	NO. OF MINES SUBMITTING RETURNS	NO. OF B/G MINES	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	1	2	3	4	5	6	7	8	9	10	12
Laterite	3	--	--	47	4	51	--	2242	--	1421582	219639
Limestone	8	--	--	346	180	526	1793399	40154	3970	6939044	1121370
Manganese	27	--	--	1094	57	1151	23116	4517	893	951680	1804277
Quartz	2	--	--	37	--	37	--	--	--	2529 (PR)	12643
Sandstone	1	--	--	102	350	452	--	--	7993	3995 (PR)	714
										1388364	654
TOTAL : HYDERABAD I	69	1	27	2203	2873	5103	2443597	53436	158847	--	362238
											18942733
15. HYDERABAD II											
Felspar	2	--	--	41	3	44	4039	--	--	25320	6380
Galena & Sphalarite	1	1	10	--	30	40	--	--	215	1079	811
Granite	2	--	--	35	1	36	2310	--	--	1736	14155
Iron				Employment, Explosives and Machinery with Stone						9222	10465
Limestone	40	--	--	1136	219	1355	5222314	77932	8383	34638589	4677555
Quartz	8	--	--	174	9	183	11966	2001	10	245337	69986
Stone	3	--	--	62	3	65	7500	138	--	19910	438
TOTAL : HYDERABAD II	56	1	10	1448	265	1723	5248129	80071	8608	--	4779791
16. NELLORE SUB-											
Asbestos	4	2	43	76	15	134	5799	165	678	16658	134107
Barytes	2	1	9	275	234	518	2244695	24355	3590	117 (PR)	516
China Clay, clay, white-	2	--	--	82	1	83	--	--	--	1646531 (LM)	13327
Felspar	2	1	24	26	6	56	1204	--	19	75570	8376
Granite	85	--	--	4052	1657	5709	757282	96025	18995	462245	98759
Limestone	22	--	--	885	213	1098	3807123	87775	27764	30332 (PR)	52826
Mica	9	3	33	87	61	181	13387	--	1039	6878286	14049891
Quartz				Employment, Explosives and Machinery with Mica and Felspar						24200	83796
Silica	2	--	--	37	--	37	--	--	--	1665 (PR)	13185
Stone				Employment, Explosives and Machinery with Mica and Felspar						411400	514
Vermiculite				Employment, Explosives and Machinery with Mica and Felspar						6301	21513
TOTAL : NELLORE SUB-	128	7	109	5520	2187	7816	6829490	208320	52085	--	6353
											28146689
17. RAIGARH											
Dolomite	2	--	--	144	20	164	31258	--	10	190940	56228
Limestone	1	--	--	82	3	85	393705	7325	428	1767699	197353
TOTAL : RAIGARH	3	--	--	226	23	249	424963	7325	438	--	253581
18. BHUBANESWAR											
Bauxite	3	--	--	404	367	771	943265	7370	7097	4846533	2459444
Chromite	23	6	746	3237	4287	8270	381201	74339	18605	2041104	7291569
Fire-clay	6	--	--	114	18	132	--	--	5	118112 (FN)	14750
										120585 (LM)	644850
										302745 (PR)	510409
										18559	4973

**STATEMENT NO. 1.8 (cont)**

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
Employment, Explosives and Machinery with Sillimanite											
Garnet										24011 (PR)	127572
Granite	1	--	--	26	4	30	496	1290	235	6002	31361
Graphite	13	--	--	212	27	239	--	200	30	24353	13387
Iron	39	--	--	4986	4865	9851	5350429	145707	111007	29286663	36705876
										12097868 (FN)	11653619
										10485599 (LM)	12154501
										5267031 (PR)	7261517
Limestone	6	--	--	507	62	569	978814	23721	3075	2123811	823651
Manganese	11	--	--	1536	810	2346	640343	27188	260	223046	477158
Quartz	5	--	--	111	6	117	2593	--	--	25969	14547
Sillimanite	2	--	--	244	1222	1466	--	10200	7100	24179	193529
Stone	1	--	--	10	5	15	185	--	--	24106	10788
<b>TOTAL : BHUBANESWAR</b>	<b>110</b>	<b>6</b>	<b>746</b>	<b>11387</b>	<b>11673</b>	<b>23806</b>	<b>8297326</b>	<b>290015</b>	<b>147414</b>	<b>--</b>	<b>81015683</b>
19. CHAIBASA											
Bauxite	2	--	--	7	4	11	--	--	--	67270	29821
China Clay, clay, white-	8	--	--	86	112	198	--	139	207	43622	16460
										285 (FN)	549
										16386 (PR)	6839
Copper	3	3	1304	--	401	1705	235592	380	10891	402620	461986
Dolomite	4	--	--	212	274	486	174215	4792	750	880589	526756
Fire-clay	1	--	--	20	--	20	--	--	--	6360	1049
Gold	1	1	36	--	16	52	8700	--	69	5052	22367
Graphite	1	--	--	17	--	17	--	--	--	2645	714
Iron	92	--	--	11121	13730	24851	4644548	230859	147697	55787417	40899040
										10297356 (FN)	4646250
										5920686 (LM)	7632899
										11582822 (PR)	12377110
Kyanite	1	--	--	36	5	41	335	--	--	2198	2607
Limestone	21	--	--	2096	974	3070	1541056	37116	22674	3359682	701756
Magnesite	1	--	--	47	10	57	29	--	--	18551	12986
Manganese	30	--	--	1240	650	1890	150317	19363	341	291133	401041
										441906 (PR)	374897
Quartz	4	1	18	67	18	103	8050	45	69	15613	40442
Steatite	2	--	--	25	12	37	2617	195	3	11787	177
Stone	1	--	--	27	--	27	6703	500	--	116946 (PR)	39096
<b>TOTAL : CHAIBASA</b>	<b>172</b>	<b>5</b>	<b>1358</b>	<b>15001</b>	<b>16206</b>	<b>32565</b>	<b>6772162</b>	<b>293389</b>	<b>182701</b>	<b>--</b>	<b>68194841</b>
20. RAIGARH											
Bauxite	7	--	--	1373	127	1500	216240	14873	330	1366137	682683
Limestone	1	--	--	28	1	29	28775	2240	--	81623	26824
Quartz	2	--	--	125	7	132	7066	--	--	29912	4677
<b>TOTAL : RAIGARH</b>	<b>10</b>	<b>--</b>	<b>--</b>	<b>1526</b>	<b>135</b>	<b>1661</b>	<b>252081</b>	<b>17113</b>	<b>330</b>	<b>--</b>	<b>714184</b>
21. RANCHI											
Bauxite	16	--	--	1359	305	1664	432723	17481	805	2059411	902439
Dolomite	1	--	--	250	44	294	133575	6240	--	276077	214220
Graphite	2	--	--	67	3	70	--	--	15	16249	9195
Limestone	7	--	--	349	311	660	44232	--	--	145697	34538

**STATEMENT NO. 1.8 (cont)**

REGION / MINERAL	NO. OF MINES SUBMITTING RETURNS	NO. OF B/G MINES	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	1	2	3	B/G	O/C		8	9	10	11	12
Mica	1	1	15	--	4	19	246	--	20	49191 (PR)	78506
Stone	1	--	--	15	1	16	493	--	--	19354 1080	71 54
TOTAL : RANCHI	28	1	15	2040	668	2723	611269	23721	840	--	1239022
22. RAMGARH SUB-											
Oil	1	--	--	--	17	17	--	--	--	Nil	Nil
Bauxite	6	--	--	371	29	400	69597	1941	--	358230	125960
Limestone	2	--	--	24	12	36	2236	210	--	51410	13458
TOTAL : RAMGARH SUB-	9	--	--	395	58	453	71833	2151	--	--	139418
23. BANGALURU											
Bauxite	3	--	--	30	14	44	44	125	--	305261	87594
China Clay,clay,white-	16	--	--	234	434	668	--	149	1649	528116	116105
Chromite	4	1	66	101	135	302	681	352	365	39854 (PR)	11524
Dolomite				Employment, Explosives and Machinery with Limestone						12068	22001
Felspar	2	--	--	13	8	21	--	--	--	1500 287	1164 64
Granite	50	--	--	1202	222	1424	179734	11430	921	1082108 124687 (PR)	1948043 422149
Iron	24	--	--	1338	176	1514	2566	36018	3948	7343613 618075 (FN)	3749349 645321
Laterite	2	--	--	24	9	33	17570	--	2	85148	16156
Limestone	17	--	--	634	336	970	1813668	36388	11229	6757680	1031954
Magnesite	14	--	--	2044	85	2129	381247	12304	804	598661 (PR)	59866
Manganese	9	--	--	155	53	208	1225	2055	109	538838	918508
Quartz	3	--	--	74	3	77	1084	--	--	75046 (PR)	21137
Silica	6	--	--	26	9	35	--	--	--	3570 (PR)	491
Sillimanite	1	--	--	179	469	648	--	2038	5221	5334	9849
Stone	2	--	--	18	8	26	21965	590	--	2460 (PR)	5424
Dunite	1	--	--	6	--	6	--	--	--	2000 8586	370 1146
TOTAL : BANGALURU	154	1	66	6078	1961	8105	2419784	101449	24248	--	9724062
24. BELLARY											
China Clay,clay,white-	2	--	--	32	--	32	270	--	--	18545	773
Dolomite	13	--	--	353	9	362	29734	--	505	788643	121290
Gold	3	3	1602	--	1514	3116	462660	1180	6892	82 (PR)	23
Granite	10	--	--	270	72	342	20558	7770	1221	677673	3197830
Iron	89	--	--	4028	1123	5151	1715108	145064	19834	70835	1126308
Limestone	52	1	4	877	277	1158	3830200	55523	9190	4239707 (PR)	7151032
										8198034 (FN)	13503070
										3810491 (LM)	8411725
										4239707 (PR)	6085882
										2569 (FN)	2172049
											1028

**STATEMENT NO. 1.8 (cont)**

REGION / MINERAL	NO. OF MINES SUBMITTING RETURNS	NO. OF B/G MINES	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	2	3	4	5	6		8	9	10	11	12	
	1											
Manganese	7	--	--	1156	884	2040	76426	--	1258	41332 (LM) 2855 (PR) 9266 12000 (LM) 142012 (PR) 71630 6030 (PR)	24799 471 7597 2640 318125 18729 4523	
Steatite	10	3	26	103	42	171	6820	350	401	4147893		
TOTAL : BELLARY	186	7	1632	6819	3921	12372	6141776	209887	39301	--		
25. CHENNAI												
Oil	6	--	--	--	1306	1306	--	--	41287	590595 2459418000 (GS)	24680877 21159493	
Fire-clay	3	--	--	68	--	68	--	--	--	53819	9660	
Garnet	5	--	--	1102	20	1122	--	--	--	702102	649722	
Granite	72	--	--	1995	331	2326	658223	23813	1345	948027	2471408	
Graphite	1	--	--	40	3	43	279567	--	--	3226 (PR)	16480	
Limestone	55	--	--	1480	191	1671	5549920	85554	19511	27734224	6738184	
Quartz	3	--	--	141	--	141	3614	--	--	4787	1621	
Silica	3	--	--	36	4	40	--	--	--	1555	511	
Sillimanite	2	--	--	1110	391	1501	--	--	3277	138775	43714	
Stone	10	--	--	439	99	538	184480	3943	110	48102 (PR)	1057890	
Vermiculite	1	--	--	15	4	19	--	--	--	1565	2803	
TOTAL : CHENNAI	162	--	--	6437	2352	8789	6675804	113310	65535	--	57024577	
26. BILASPUR												
Bauxite	3	--	--	702	38	740	467120	5549	--	1224478 113515 (PR)	687927 13668	
Dolomite	9	--	--	560	626	1186	1141507	14065	4021	2887157	943933	
Iron	11	--	--	2219	2781	5000	5745326	110748	40343	1387592	699626	
Limestone	16	--	--	898	509	1407	5325831	87203	19329	10826858 (FN) 6546259 (LM) 8943811 (PR)	19961587 17096205 5731060	
TOTAL : BILASPUR	39	--	--	4379	3954	8333	12679784	217565	63693	--	4137282 1628453 (PR)	2799470
27. JABALPUR												
Oil	3	--	--	--	254	254	--	--	2191	360872237 (GS)	1431499	
Bauxite	12	--	--	692	49	741	16162	1066	--	574614	179555	
China Clay, clay, white-										313575	91464	
Diamond	1	--	--	26	74	100	126825	6310	2358	131143	347936	
Dolomite	2	--	--	43	4	47	3000	--	--	22460	80176	
Fire-clay	3	--	--	58	4	62	--	--	--	35318	2029	
Iron	6	--	--	54	91	145	--	5061	334	Nil	Nil	
Laterite	1	--	--	40	1	41	--	--	--	82988 (FN) 43710 (LM) 60107 (PR)	8678 4452 18032	
Limestone	37	--	--	2651	949	3600	5544732	100513	23776	21750	653	
										29601393	5067632	

**STATEMENT NO. 1.8 (cont)**

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.
	1	2	3	4	5	6	7	8	9	10	12
Marble	3	--	--	62	29	91	8051	3833	1596	1109822 (PR)	161447
Ochre	1	1	14	--	5	19	--	--	--	24856 970	7203 78
TOTAL : JABALPUR	69	1	14	3626	1460	5100	5698770	116783	30255	--	7400833
28. NAGPUR I											
Copper	1	--	--	229	133	362	3058681	39188	1873	2076301	1894832
Dolomite	3	--	--	263	25	288	1920	--	78	19294	4919
Iron	1	--	--	56	14	70	--	--	--	7810 5010 (LM)	7480 8069
Kyanite	4	--	--	66	3	69	35	--	--	8165	2086
Manganese	30	11	2880	2326	2786	7992	694654	38764	19863	1846734 322999 (PR)	9513414 2408744
Sillimanite	4	--	--	321	36	357	2600	3080	1672	6515 1081 (LM)	1722 6486
Steatite			Employment, Explosives and Machinery with Sillimanite							48731 661 (PR)	360881 454
Stone	1	--	--	21	35	56	1021	--	30	16578	1409
TOTAL : NAGPUR I	44	11	2880	3282	3032	9194	3758911	81032	23516	--	14210495
29. PARASIA SUB-											
Limestone	1	--	--	35	31	66	215955	1845	503	781753	217280
Manganese	2	--	--	29	15	44	--	75	31	2060 266 (PR)	5695 585
TOTAL : PARASIA SUB-	3	--	--	64	46	110	215955	1920	534	--	223561
30. NAGPUR II											
Dolomite	2	--	--	30	13	43	5811	744	82	81209 97963 (PR)	20302 27727
Fluorite	1	--	--	47	5	52	347	--	--	273 31 (FN)	162 18
Iron	2	--	--	180	8	188	17151	390	--	2899 250783 (LM)	1716 57343
Limestone	13	--	--	423	142	565	2290355	37865	8613	10141223	1368586
TOTAL : NAGPUR II	18	--	--	680	168	848	2313664	38999	8695	--	1475854
TOTAL : ALL INDIA	2233	69	9590	108965	84345	202900	102248809	3062896	1855721	--	1010694081

\* 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**      **2012: OWNERWISE**

REGION / MINERAL	NO. OF 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							
	1	2	3	4	5	6	7	8	9	10	11	12
1. CHOWGULE & CO. (P) LTD.												
Iron	8	--	--	379	555	934	28870	30551	9146	515419 1226838 (FN) 372829 (LM) 641815 (PR) 653217 (FN) 42480 (LM)	80800 230107 127338 481094 685878 68010	
Limestone				Employment, Explosives and Machinery with Iron								
Manganese	1	--	--	20	--	20	--	--	--	1065	1174	
OWNER TOTAL :	9	--	--	399	555	954	28870	30551	9146	--	1674401	
2. ANDHRA PRADESH MINERAL DEV. CORPN. LTD.												
Asbestos	1	--	--	60	--	60	--	--	--	13649	121186	
Barytes	1	--	--	275	216	491	2244268	24355	3545	2220 1646531 (LM)	12859 5326883	
Granite	1	--	--	12	1	13	--	--	--	736	7514	
Limestone	1	--	--	55	6	61	223551	3060	--	4123032	614084	
OWNER TOTAL :	4	--	--	402	223	625	2467819	27415	3545	--	6082526	
3. ASSOCIATED CEMENT COMPANIES LTD.												
China Clay, clay, white-				Employment, Explosives and Machinery with Limestone								
Limestone	18	--	--	978	317	1295	3712068	81118	25713	313575 19502377	91464 5307587	
OWNER TOTAL :	19	--	--	978	318	1296	3712068	81118	25713	--	5399051	
4. ASSOCIATED SOAPSTONE DIST. CO. PVT. LTD.												
Steatite	10	--	--	511	95	606	585527	7058	1195	252050	378238	
5. ASSOCIATED STONE INDUSTRIES (KOTA) LTD.												
Limestone	5	--	--	1592	88	1680	303985	12485	6110	9392677	4953181	
6. BHARAT ALUMINIUM CO. LTD.												
Bauxite	5	--	--	674	59	733	580490	8169	330	1526978	812526	
7. BHILAI STEEL PLANT (SAIL)												
Dolomite	1	--	--	78	247	325	385980	7455	1568	861783	264527	
Iron	6	--	--	1047	1434	2481	1923902	45412	26662	1104189 8943811 (PR)	493773 5731060	
Limestone	1	--	--	89	312	401	140301	10406	3736	458359	95423	
OWNER TOTAL :	8	--	--	1214	1993	3207	2450183	63273	31966	--	6584783	
8. BIRLA CORPORATION LTD. (BIRLA CEMENT WORKS)												
Limestone	3	--	--	131	199	330	791535	25196	14507	4148602	652898	
9. THE BISRA STONE LIME CO. LTD.												
Limestone	2	--	--	1293	562	1855	139944	--	4999	729472	166320	

**STATEMENT NO. 1.9 (CONT.)**

REGION / 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					
1	2	3	4	5	6	7	8	9	10	1
10. BURN STANDARD CO. LTD. Magnesite	3	--	--	1344	6	1350	--	--	100	231095 416116
11. CANORO RESOURCES LTD Oil	3	--	--	--	44	44	--	--	86 152392 50827000 (GS) 418862 119952	
12. CARBORUNDUM UNIVERSAL(P) LTD. Bauxite	2	--	--	10	--	10	--	--	-- Nil	Nil
13. CEMENT CORPN. OF INDIA LTD. Limestone	4	--	--	75	74	149	160911	12833	1022 2639632	910781
14. D.B.BANDODKAR & SONS (P) LTD. Iron	1	--	--	28	5	33	--	860	-- 229686 (PR)	116459
15. DALMIA (BHARAT) CEMENT LTD. Limestone	6	--	--	207	16	223	705754	18362	3284 8286066	995308
Magnesite	1	--	--	264	4	268	103647	5814	17 57217	89024
OWNER TOTAL :	7	--	--	471	20	491	809401	24176	3301 --	1084332
16. DEMPO MINING CORPN. LTD. Iron	1	--	--	208	402	610	--	23565	2060 1204855 (FN) 327584 (LM) 436593	146913
17. (ADITYA BIRLA) ESSEL MINING & INDUSTRIES LTD. Iron	4	--	--	1517	455	1972	601453	32159	10059 2751800 1050450 (PR) 12734577 2517585	
18. HINDUSTAN OIL EXPLORATION COMPANY LIMITED Oil	1	--	--	--	135	135	--	--	146 5 375940 (GS) 2170643	137
19. KUNDA R.GHARSE Iron	2	--	--	292	67	359	--	25504	4369 1604515	2377077
Manganese	1	--	--	32	4	36	--	--	-- 855	619
OWNER TOTAL :	3	--	--	324	71	395	--	25504	4369 --	2377697
20. HINDUSTAN OIL EXPLORATION COMPANY LIMITED										
21. FERRO ALLOYS CORPN. LTD. Chromite	3	2	177	254	323	754	73544	7795	6019 231784	1313310
Manganese	1	--	--	18	--	18	--	--	-- 2256	4174
Quartz	1	--	--	18	--	18	--	--	-- 4425	714
OWNER TOTAL :	5	2	177	290	323	790	73544	7795	6019 --	1318198
22. FERTILISER CORPN. OF INDIA LTD. Gypsum	7	--	--	19	10	29	--	123	-- 509818	1142855
23. AMBUJA CEMENT China Clay,clay,white- Limestone	11	--	--	703	81	784	2777373	86439	12091 728528 20777147 257048 2236361	

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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 OWNER TOTAL :	2 11	3 --	4 --	5 703	6 81	7 784	8 2777373	9 86439	10 12091	11 --	1 2493409
24. GUJARAT MINERAL DEV. CORPN. LTD.											
Bauxite	13	--	--	380	24	404	55671	2635	90	818622	675730
Fluorite	1	--	--	29	3	32	4025	1440	--	Nil	Nil
Manganese	1	--	--	9	18	27	--	1540	--	Nil	Nil
OWNER TOTAL :	15	--	--	418	45	463	59696	5615	90	--	675730
25. GUJARAT STATE PETROLEUM CORPORATION LTD.											
Oil	3	--	--	--	27	27	--	--	200	39382 422673465 (GS)	731839 1618139
26. 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
27. HINDUSTAN ALUMINIUM CORPN. LTD.											
Bauxite	7	--	--	754	86	840	184890	7648	48	711917	322427
28. HINDUSTAN COPPER LTD.											
Copper	6	5	2099	229	1454	3782	4069249	41048	38389	3436666 8043	3770098 79153
Granite			Employment, Explosives and Machinery with Copper								
OWNER TOTAL :	6	5	2099	229	1454	3782	4069249	41048	38389	--	3849251
29. HINDUSTAN SALT LTD.											
Salt	1	--	--	--	11	11	--	--	8	Nil	Nil
30. HINDUSTAN ZINC LTD.											
Apatite & Rock Phospho	1	--	--	144	22	166	581747	8094	30	184700	369580
Galena & Sphalerite	13	8	1368	708	1983	4059	2284175	22057	174213	8590148	9082982
OWNER TOTAL :	14	8	1368	852	2005	4225	2865922	30151	174243	--	9452562
31. HUTTI GOLD MINES CO. LTD.											
Gold	2	2	1500	--	1436	2936	444587	960	5861	652898	2999932
32. INDIA CEMENTS LTD.											
Limestone	19	--	--	498	103	601	1621263	35712	9531	12211912	2064623
33. INDIAN ALUMINIUM CO.LTD.											
Bauxite	3	--	--	69	109	178	93450	4320	1275	1083921	239060
34. INDIAN RARE EARTHS LTD.											
Garnet	1	--	--	1002	--	1002	--	--	--	417427 24011 (PR)	284038 127572
Sillimanite	4	--	--	1403	1717	3120	--	2038	8498	138775 290082 (PR)	43714 1392080
OWNER TOTAL :	5	--	--	2405	1717	4122	--	2038	8498	--	1847404

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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					
1	2	3	4	5	6	7	8	9	10	1
35. INDUSTRIAL DEV. CORPN. OF ODISHA LTD.										
Chromite	1	--	--	372	234	606	1250	4900	243	161244
Limestone	4	--	--	321	32	353	538446	11372	95	1159276
OWNER TOTAL :		5	--	--	693	266	959	539696	16272	338
									--	659137
36. J.K.CEMENT LTD.										
Limestone	6	--	--	311	26	337	766275	25196	631	5035740
37. JHARKHAND STATE MINERAL DEV.CORPN.LTD.										
Graphite	1	--	--	20	3	23	--	--	--	1518
Kyanite	1	--	--	36	5	41	335	--	--	2198
Limestone	4	--	--	172	90	262	10204	--	--	52972
										11534
Mica	1	--	--	--	6	6	--	--	--	49191 (PR)
Stone	1	--	--	6	45	51	--	--	--	78506
										Nil
OWNER TOTAL :		8	--	--	234	149	383	10539	--	--
									--	93481
38. JAIPRAKASH ASSOCIATES LTD(JAYPEE CEMENT)										
Limestone	6	--	--	500	62	562	3008414	36684	1803	2665952
39. KARANPURA DEV. CO. LTD.										
Limestone	1	--	--	17	--	17	2236	210	--	50359
40. KESORAM CEMENTS LTD.										
Limestone	1	--	--	77	56	133	600684	12087	658	1174072
41. LARSEN & TOUBRO LTD.										
Oil	1	--	--	--	15	15	--	--	58	4175
										123000 (GS)
Limestone	2	--	--	154	45	199	1539939	17427	2730	7425092
										1115069
Stone	2	--	--	20	28	48	505	--	80	79386
										12861
OWNER TOTAL :		5	--	--	174	88	262	1540444	17427	2868
									--	1207544
42. M.P.STATE MINING CORPN. LTD.										
Apatite & Rock Phospha	2	--	--	202	11	213	37825	--	--	165078
Bauxite	5	--	--	354	37	391	12334	1066	--	253585
										89173
Steatite	2	--	--	111	15	126	3537	50	--	14551
										17332
OWNER TOTAL :		9	--	--	667	63	730	53696	1116	--
									--	314257
43. THE RAMCO CEMENTS LIMITED (FORMERLY MADRAS CEMENTS LTD)										
Limestone	16	--	--	494	74	568	2124015	31289	10060	8712650
										214956 (PR)
										3238798
										39300
44. MAHARASTRA STATE MINING CORPN. LTD.										
Dolomite	1	--	--	13	16	29	372	--	39	3850
Fluorite	1	--	--	47	5	52	347	--	--	1065
										162
										31 (FN)
										18
Iron	1	--	--	56	14	70	--	--	--	2899 (LM)
										1716
										7810 (FN)
Kyanite	1	--	--	23	1	24	35	--	--	5010 (LM)
										8069
										1782
										585

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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					
1 Limestone	2	3	4	5	6	7	8	9	10	11 Nil Nil
Silica	1	--	--	3	--	3	--	--	--	9684
Sillimanite	2	--	--	6	31	37	312	--	347	43041 345 (PR) 2808
Steatite				38	19	57	--	--	6	661 (PR) 454
Employment, Explosives and Machinery with Sillimanite										
OWNER TOTAL :	8	--	--	186	86	272	1066	--	392	-- 32041
45. MALABAR CEMENT LTD.										
Limestone	1	--	--	64	133	197	242310	3762	1690	598661 (PR) 59866
46. MANGANESE ORE [INDIA] LTD.										
Manganese	13	7	2642	1967	2503	7112	582961	24346	18326	1401822 271983 (PR) 8694694 2196050
47. MAWMLUH CHERRA CEMENTS LTD.										
Limestone	1	--	--	22	11	33	15171	475	--	65563 13113
48. HEIDELBERG CEMENT (MYSORE CEMENT LTD)										
Limestone	2	--	--	83	93	176	310908	5282	1744	928051 354712
49. MYSORE MINERALS LTD.										
Bauxite	1	--	--	8	3	11	--	125	--	Nil Nil
China Clay, clay, white-	2	--	--	32	40	72	--	21	18	21673 12130 (PR) 3730
Chromite	4	1	66	101	135	302	681	352	365	12068 22001
Dolomite	3	--	--	105	14	119	15107	--	--	88555 26286
Felspar	1	--	--	3	1	4	--	--	--	Nil Nil
Granite	13	--	--	318	88	406	2932	1712	573	33233 604203
Iron	4	--	--	134	6	140	--	1781	--	Nil Nil
Limestone	7	--	--	125	47	172	35637	448	23	729367 115559
Magnesite	2	--	--	79	24	103	2964	1433	206	6553 17511
Manganese	1	--	--	20	--	20	--	--	--	1904 1466
OWNER TOTAL :	38	1	66	925	358	1349	57321	5872	1185	-- 802125
50. NATIONAL ALUMINIUM CO.										
Bauxite	1	--	--	360	366	726	919040	--	7097	4846533 2459444
51. NATIONAL MINERAL DEV. CORPN. LTD.										
Diamond	1	--	--	26	74	100	126825	6310	2358	131143 13347974 (FN) 28319600
Iron	5	--	--	1366	1389	2755	5355488	102084	28250	7780848 (LM) 3598781 (PR) 22790839 5244922
Limestone	1	--	--	25	--	25	1	--	355	Nil Nil
Silica	1	--	--	--	4	4	--	--	--	Nil Nil
OWNER TOTAL :	8	--	--	1417	1467	2884	5482314	108394	30963	-- 56703297
52. NORTH BENGAL DOLOMITE CO.										
Dolomite	1	--	--	--	31	31	--	--	--	Nil Nil
53. OIL & NATURAL GAS CORPORATION LTD.										
Oil	45	--	--	--	15060	15060	--	--	583555	7893509 11696092271 (GS) 164192152 53135686
54.	Oil	Employment, Explosives and Machinery with Oil								
										197 3538

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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					
1	2	3	4	5	6	7	8	9	10	1
55. OIL & NATURAL GAS CORPORATION LTD.										
OWNER TOTAL :	45	--	--	--	15060	15060	--	--	583555	-- 217327838
56.										
57. OIL INDIA LTD.										
Oil	6	--	--	--	2695	2695	--	--	93289	Nil Nil
									4828632000 (GS)	35485747
58. THE ORISSA MINERALS DEVELOPMENT CO.LTD.										
Iron	4	--	--	507	587	1094	7627	6300	2191	1204298 1065911
59. ODISHA MINING CORPORATION LTD. (OMC)										
Chromite	7	1	52	1357	819	2228	69975	24873	571	428520 1834123
									147910 (PR) 252975	
Fire-clay	1	--	--	20	--	20	--	--	--	6360 1049
Iron	10	--	--	2145	2420	4565	218343	38199	7248	3738757 4439668
									413975 (FN) 1140648	
Limestone	1	--	--	7	11	18	--	--	--	717795 (LM) 3134786
Manganese	4	--	--	571	251	822	150	850	37	9435 708
										Nil Nil
										12714 (PR) 10432
OWNER TOTAL :	23	1	52	4100	3501	7653	288468	63922	7856	-- 10814390
60. PYRITES PHOSPHATES & CHEMICALS LTD.										
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	Nil Nil
61. RAJASTHAN STATE MINERAL DEV. CORPN. LTD.										
Apatite & Rock Phospha	2	--	--	54	10	64	4275	410	--	29915 6071
Limestone	1	--	--	44	3	47	2995	--	--	106485 13311
OWNER TOTAL :	3	--	--	98	13	111	7270	410	--	-- 19382
62. SRINIVASA KRUPA AGENCY										
Apatite & Rock Phospha	1	--	--	574	400	974	1901580	5535	3222	1474307 8137200
Gypsum	10	--	--	53	24	77	--	20700	--	2103459 1128963
Limestone	7	--	--	308	153	461	1487140	12624	3512	1164526 1469523
Selenite	3	--	--	12	8	20	--	192	--	2529293 (FN) 1214061
OWNER TOTAL :	21	--	--	947	585	1532	3388720	39051	6734	-- 11960877
63. RAW MATERIAL DIVISION (SAIL)										
Dolomite	1	--	--	250	44	294	133575	6240	--	276077 214220
Iron	7	--	--	1022	2434	3456	1894214	66693	34657	827407 485985
										7370268 (FN) 2684894
										4211888 (LM) 2190145
Limestone	4	--	--	378	452	830	415809	3355	1785	10902 (PR) 4563
Manganese				Employment, Explosives and Machinery with Iron						653476 144655
										863981 (PR) 137384
										320 90
OWNER TOTAL :	12	--	--	1650	2930	4580	2443598	76288	36442	-- 5861937

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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					
1	2	3	4	5	6	7	8	9	10	1
64. RELIANCE INDUSSTRIES LIMITED Oil	3	--	--	--	264	264	--	--	2711	Nil 360872237 (GS) 1431499
65. S.K.SARAWAGI & CO. PVT. LTD. Manganese	9	--	--	561	35	596	23116	864	555	157235 249719
66. S.N.SUNDERSON & CO. Limestone	2	--	--	35	3	38	--	--	40	13184 923
67. SANDUR MANGANESE & IRON ORE LTD. Iron Manganese	1 3	-- --	-- 1085	126 881	-- 1966	126 75898	26885 1968	368 --	621569 (LM) 142012 (PR)	779041 318125
OWNER TOTAL :	4	--	--	1211	881	2092	102783	1968	1626	-- 1097165
68. SES A STERLITE LTD. Iron	6	--	--	766	119	885	318750	52635	14159	5444997 362762 (PR) 12366666 789888
69. SHANKARLAL GANGARAM THAKKAR China Clay,clay,white-	10	--	--	172	--	172	--	--	--	106157 11819
70. TAMIL NADU MAGNESITE LTD. Magnesite	1	--	--	193	12	205	191861	2460	97	146779 264764
71. TAMIL NADU CEMENT CORPN. LTD. Limestone	3	--	--	69	17	86	324682	4228	1973	792049 213070
72. TAMILNADU MINERALS LTD. Felspar	Employment, Explosives and Machinery with Quartz							22	8	
Granite	48	--	--	1361	229	1590	606458	6478	470	100940 2838 (PR) 980334 16552
Graphite	1	--	--	40	3	43	279567	--	--	63136 78294
Limestone	2	--	--	50	--	50	25717	--	40	751253 101047
Quartz	6	--	--	215	3	218	4698	--	--	10121 2460 (PR) 5424
Silica	3	--	--	36	4	40	--	--	--	1555 511
Vermiculite	1	--	--	15	4	19	--	--	--	1565 2803
OWNER TOTAL :	61	--	--	1717	243	1960	916440	6478	510	-- 1196631
73. TATA CHEMICALS LTD. Limestone	6	--	--	41	85	126	414221	3614	--	1491984 46594
74. TATA IRON & STEEL CO. LTD. Chromite	1	--	--	417	1526	1943	78525	9546	5055	458086 115582 (LM) 620435
Dolomite	1	--	--	148	257	405	170066	4496	735	457636 309362
Iron	4	--	--	443	2861	3304	3088248	46323	35525	6882146 4942000 (LM) 3573076 3829473 (PR) 3747752
Limestone	1	--	--	69	5	74	287478	5794	140	1846981 10686 75046 (PR) 37798 10106 21137
Magnesite	1	--	--	36	27	63	10478	681	344	

**STATEMENT NO. 1.9 (CONT.)**

REGION / MINERAL	NO.OF 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 Manganese	2 5	3 --	4 --	5 901	6 718	7 1619	8 438593	9 16283	10 280	11 132640 131533 (PR)	1 269138 306140
OWNER TOTAL :	13	--	--	2014	5394	7408	4073388	83123	42079	--	20107356
75. TRAVANCORE CEMENT LTD. Limestone	1	--	--	57	--	57	--	--	101	14190	12615
76. U.P.STATE MINERAL DEV.CORPN.LTD. Bauxite	1	--	--	48	7	55	921	--	--	6420 (PR)	1520
77. VISAKHAPATNAM STEEL PLANT Dolomite	1	--	--	62	145	207	201575	4848	2164	516440 (PR)	241800
Limestone	1	--	--	45	119	164	96675	4399	1701	400567	216947
Manganese	1	--	--	17	2	19	--	931	14	11988	91107
OWNER TOTAL :	3	--	--	124	266	390	298250	10178	3879	--	549854
78. WEST BENGAL MINERAL DEV. & TRADING CORPN.LTD. (WB.M.D.T.C.LTD) Apatite & Rock Phospha	1	--	--	76	25	101	--	390	80	Nil	Nil
Fire-clay	1	--	--	32	2	34	--	--	--	760	151
Stone	1	--	--	79	116	195	21928	4278	1462	862863	67309
OWNER TOTAL :	3	--	--	187	143	330	21928	4668	1542	--	67460
79. WEST BENGAL PROJECTS LTD. China Clay,clay,white-	1	--	--	77	1	78	--	--	--	4951	1089
80. WOLKEM INDUSTRIES LTD. Calcite	2	--	--	346	117	463	62129	1078	198	140673	71505
TOTAL : ORGANISED SECTOR	601	28	7971	43044	52388	103403	56022690	1307987	1266905	--	480373359
TOTAL : UNORGANISED SECTOR	1632	41	1619	65921	31957	99497	46226119	1754909	588816	--	563711448
TOTAL : ALL OWNERS	2233	69	9590	108965	84345	202900	102248809	3062896	1855721	--	1044084807

\* 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)
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
2011	883	71	17,733	2,369	549,562	9,104	1,783,96	627	201,335	1197	214,198	108	5,644	1192	22,7116	14,668	2,999,234
2012	943	22	7043	2,617	613,828	9,246	1,8606,62	745	225389	1215	205,196	83	4,788	840	12,3629	14,888	3,062,896

**STATEMENT NO. 2.2**  
**USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2012 : MINERAL-STATEWISE**

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER		WINDING NO.		VENTILATION NO.		HAULAGE NO.		PUMPING NO.		MINERAL PLANT NO. H.P.	
		3	4	5	6	7	8	9	10	11	12	13	
1	2												
1.	APATITE & ROCK PHOSPHATE												
	ANDHRA PRADESH	1	--	--	1	20	2	20	4	20	--	--	--
	RAJASTHAN	2	--	--	--	--	--	--	23	1190	4	1900	
	UTTARANCHAL	2	--	--	2	75	6	250	3	53	4	1400	
	WEST BENGAL	1	--	--	--	--	--	--	--	--	--	--	
TOTAL :	APATITE & ROCK PHOSPA	6	--	--	3	95	8	270	30	1263	8	3300	
2.	ASBESTOS												
	ANDHRA PRADESH	3	--	--	5	100	6	140	4	58	1	68	
3.	BARYTES												
	ANDHRA PRADESH	2	--	--	--	--	1	20	11	3385	1	150	
4.	BAUXITE												
	CHHATTISHGARH	3	--	--	--	--	--	--	1	110	--	--	--
	GUJARAT	5	--	--	--	--	--	--	8	67	--	--	
	JHARKHAND	4	--	--	--	--	6	86	11	152	12	546	
	KARNATAKA	1	--	--	--	--	--	--	1	100	--	--	
	MAHARASHTRA	3	--	--	--	--	--	--	19	90	13	227	
	ORISSA	1	--	--	--	--	--	--	23	1320	4	920	
TOTAL :	BAUXITE	17	--	--	--	--	6	86	63	1839	29	1693	
5.	CALCITE												
	RAJASTHAN	2	--	--	--	--	--	--	12	66	25	210	
6.	CHINA CLAY,CLAY,WHITE-CLAY												
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	12	--	--	--
	GUJARAT	2	--	--	--	--	--	--	3	18	2	20	
	JHARKHAND	7	--	--	--	--	--	--	22	370	52	354	
	KARNATAKA	1	--	--	--	--	--	--	3	13	1	5	
	KERALA	11	--	--	--	--	--	--	69	411	83	1149	
	ORISSA	1	--	--	--	--	--	--	2	20	--	--	
	RAJASTHAN	2	--	--	--	--	--	--	2	16	--	--	
	TAMIL NADU	1	--	--	--	--	--	--	1	5	--	--	
	WEST BENGAL	3	--	--	--	--	--	--	13	117	11	1040	
TOTAL :	CHINA CLAY,CLAY,WHITE-	29	--	--	--	--	--	--	117	982	149	2568	
7.	CHROMITE												
	KARNATAKA	2	2	75	2	10	--	--	3	53	--	--	--
	ORISSA	16	7	1005	7	305	3	220	70	5684	178	5488	
TOTAL :	CHROMITE	18	9	1080	9	315	3	220	73	5737	178	5488	

**STATEMENT NO. 2.2(Cont.)**

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	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		
<b>8. COPPER</b>														
	JHARKHAND	3	2	832	3	810	4	410	7	480	4	170		
	MADHYA PRADESH	1	--	--	--	--	--	--	4	1130	--	--		
	RAJASTHAN	2	2	5700	6	1414	3	320	7	190	1	250		
TOTAL : COPPER		6	4	6532	9	2224	7	730	18	1800	5	420		
<b>9. DIAMOND</b>														
	MADHYA PRADESH	1	--	--	--	--	--	--	3	268	57	1684		
<b>10. DOLOMITE</b>														
	ANDHRA PRADESH	2	--	--	--	--	1	100	4	285	36	495		
	CHHATTISGARH	7	--	--	--	--	--	--	19	804	31	1873		
	MAHARASHTRA	3	--	--	--	--	--	--	4	78	7	82		
	ORISSA	2	--	--	--	--	--	--	3	250	--	--		
TOTAL : DOLOMITE		14	--	--	--	--	1	100	30	1417	74	2450		
<b>11. FELSPAR</b>														
	ANDHRA PRADESH	3	--	--	--	--	--	--	5	168	--	--		
<b>12. FIRE-CLAY</b>														
	ORISSA	1	--	--	--	--	--	--	1	5	--	--		
<b>13. GALENA &amp; SPHALARITE</b>														
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	30	--	--		
	RAJASTHAN	11	5	2209	10	2913	--	--	80	2142	2020	143273		
TOTAL : GALENA & SPHALARITE		12	5	2209	10	2913	--	--	81	2172	2020	143273		
<b>14. GOLD</b>														
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--		
	KARNATAKA	3	5	300	11	5288	--	--	1	5	--	--		
TOTAL : GOLD		4	5	300	12	5298	1	10	2	8	--	--		
<b>15. GRANITE</b>														
	ANDHRA PRADESH	63	--	--	--	--	1	93	142	2480	41	5133		
	KARNATAKA	6	2	133	1	20	2	50	19	250	--	--		
	KERALA	5	--	--	--	--	--	--	15	357	14	248		
	ORISSA	1	--	--	--	--	--	--	2	60	--	--		
	TAMIL NADU	14	--	--	--	--	--	--	15	166	--	--		
	UTTAR PRADESH	3	--	--	--	--	--	--	--	--	--	--		
TOTAL : GRANITE		92	2	133	1	20	3	143	193	3313	55	5381		

**STATEMENT NO. 2.2(Cont.)**

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	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		
<b>16. GRAPHITE</b>														
	JHARKHAND	1	--	--	--	--	--	--	3	15	--	--		
	ORISSA	3	--	--	--	--	--	--	5	30	--	--		
<b>TOTAL : GRAPHITE</b>		4	--	--	--	--	--	--	8	45	--	--		
<b>17. IRON</b>														
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	128	2	220		
	CHHATTISHGARH	6	--	--	15	780	--	--	83	12943	191	17070		
	GOA	47	--	--	--	--	2	110	139	18504	221	27498		
	JHARKHAND	11	--	--	--	--	--	--	78	13877	649	53588		
	KARNATAKA	25	--	--	--	--	32	280	22	4229	160	16816		
	MADHYA PRADESH	5	--	--	--	--	--	--	4	254	1	80		
	MAHARASHTRA	1	--	--	--	--	--	--	2	840	--	--		
	ORISSA	50	2	66	37	185	--	--	232	11307	1449	93622		
	RAJASTHAN	2	--	--	--	--	--	--	3	205	84	6052		
<b>TOTAL : IRON</b>		148	2	66	52	965	34	390	564	62287	2757	214946		
<b>18. LATERITE</b>														
	KARNATAKA	1	--	--	--	--	--	--	1	5	1	60		
	KERALA	1	--	--	--	--	--	--	1	2	--	--		
	RAJASTHAN	1	--	--	--	--	--	--	3	210	--	--		
<b>TOTAL : LATERITE</b>		3	--	--	--	--	--	--	5	217	1	60		
<b>19. LIMESTONE</b>														
	ANDAMAN & NICOBAR IS	1	--	--	--	--	--	--	1	23	--	--		
	ANDHRA PRADESH	52	--	--	24	416	17	4705	169	6695	194	17432		
	ASSAM	1	--	--	--	--	--	--	--	--	--	--		
	BIHAR	1	--	--	--	--	--	--	2	30	--	--		
	CHHATTISHGARH	16	--	--	--	--	--	--	66	5303	30	11516		
	GUJARAT	11	--	--	--	--	--	--	5	135	11	8730		
	HIMACHAL PRADESH	5	--	--	--	--	1	37	11	504	3	3016		
	JHARKHAND	3	--	--	1	60	1	120	10	415	1	1350		
	JAMMU & KASHMIR	1	--	--	--	--	--	--	--	--	--	--		
	KARNATAKA	12	--	--	--	--	--	--	41	4834	24	16195		
	KERALA	2	1	10	1	1	--	--	6	15	21	1672		
	MEGHALAYA	2	--	--	--	--	3	370	2	20	--	--		
	MADHYA PRADESH	23	--	--	9	33	9	773	110	6021	124	24088		
	MAHARASHTRA	5	--	--	--	--	--	--	33	1769	33	6503		
	ORISSA	11	--	--	--	--	--	--	39	1418	177	18647		
	RAJASTHAN	59	--	--	21	1487	33	899	152	4518	180	21874		
	TAMIL NADU	48	--	--	--	--	21	2728	124	5516	164	9757		
<b>TOTAL : LIMESTONE</b>		253	1	10	56	1997	85	9632	771	37216	962	140780		

**STATEMENT NO. 2.2(Cont.)**

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	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		
<b>20. MAGNESITE</b>														
	KARNATAKA	2	--	--	--	--	--	--	4	81	9	273		
	TAMIL NADU	5	--	--	--	--	--	--	6	140	--	--		
	UTTARANCHAL	1	--	--	--	--	--	--	--	--	8	255		
<b>TOTAL : MAGNESITE</b>		8	--	--	--	--	--	--	10	221	17	528		
<b>21. MANGANESE</b>														
	ANDHRA PRADESH	19	--	--	--	--	--	--	49	900	--	--		
	GOA	5	--	--	--	--	--	--	8	325	27	1555		
	KARNATAKA	4	--	--	--	--	--	--	27	316	10	96		
	MADHYA PRADESH	15	6	920	6	345	8	375	76	2271	65	187		
	MAHARASHTRA	9	4	570	5	200	5	200	39	2362	29	484		
	ORISSA	11	--	--	--	--	--	--	22	564	--	--		
<b>TOTAL : MANGANESE</b>		63	10	1490	11	545	13	575	221	6738	131	2322		
<b>22. MARBLE</b>														
	GUJARAT	4	--	--	--	--	--	--	60	203	81	3361		
	MADHYA PRADESH	3	--	--	--	--	--	--	14	290	3	700		
	RAJASTHAN	9	2	80	--	--	1	10	125	750	22	860		
<b>TOTAL : MARBLE</b>		16	2	80	--	--	1	10	199	1243	106	4921		
<b>23. MICA</b>														
	ANDHRA PRADESH	18	9	130	17	201	16	167	23	229	11	73		
	BIHAR	1	--	--	1	10	--	--	1	10	--	--		
	JHARKHAND	1	1	10	--	--	--	--	--	--	--	--		
	RAJASTHAN	1	--	--	--	--	--	--	1	2	--	--		
<b>TOTAL : MICA</b>		21	10	140	18	211	16	167	25	241	11	73		
<b>24. QUARTZ</b>														
	ANDHRA PRADESH	2	--	--	--	--	--	--	2	20	--	--		
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--		
<b>TOTAL : QUARTZ</b>		3	--	--	1	10	1	10	3	23	--	--		
<b>25. SALT</b>														
	HIMACHAL PRADESH	1	--	--	--	1	8	--	--	--	--	--		
<b>26. SANDSTONE</b>														
	ANDHRA PRADESH	1	--	--	--	--	--	--	117	3631	284	3809		
	JHARKHAND	1	--	--	--	--	--	--	1	22	--	--		
	RAJASTHAN	1	--	--	--	--	--	--	3	30	1	59		
<b>TOTAL : SANDSTONE</b>		3	--	--	--	--	--	--	121	3683	285	3868		

**STATEMENT NO. 2.2(Cont.)**

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	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		
<b>27. SILICA</b>														
	HARYANA	4	--	--	--	--	--	--	64	408	4	470		
	MAHARASHTRA	5	--	--	--	--	--	--	2	10	60	1016		
	RAJASTHAN	4	--	--	--	--	--	--	13	145	14	1045		
TOTAL : SILICA		13	--	--	--	--	--	--	79	563	78	2531		
<b>28. SILLIMANITE</b>														
	ANDHRA PRADESH	1	--	--	--	--	--	--	100	3310	260	3172		
	KERALA	1	--	--	--	--	--	--	71	1650	367	2330		
	MAHARASHTRA	2	--	--	--	--	--	--	1	5	277	1617		
	TAMIL NADU	1	--	--	--	--	--	--	--	--	--	--		
TOTAL : SILLIMANITE		5	--	--	--	--	--	--	172	4965	904	7119		
<b>29. SLATE</b>														
	HARYANA	1	--	--	--	--	--	--	2	20	--	--		
<b>30. STEATITE</b>														
	ANDHRA PRADESH	2	--	--	--	--	--	--	3	28	--	--		
	BIHAR	1	--	--	--	--	--	--	6	90	--	--		
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--		
	ORISSA	1	--	--	--	--	--	--	2	3	--	--		
	RAJASTHAN	17	--	--	1	10	7	105	37	1927	4	141		
TOTAL : STEATITE		22	--	--	1	10	7	105	49	2088	4	141		
<b>31. STONE</b>														
	BIHAR	3	--	--	--	--	--	--	15	225	21	177		
	GOA	5	--	--	--	--	1	32	--	--	--	--		
	GUJARAT	3	--	--	--	--	1	8	6	155	19	327		
	HARYANA	1	--	--	--	--	--	--	--	--	--	--		
	JHARKHAND	37	--	--	--	--	--	--	23	344	16	2435		
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--		
	MAHARASHTRA	2	--	--	--	--	--	--	--	--	--	--		
	TAMIL NADU	2	--	--	--	--	--	--	2	30	2	80		
	WEST BENGAL	17	--	--	--	--	--	--	20	291	29	3646		
TOTAL : STONE		71	--	--	--	--	2	40	66	1045	87	6665		
<b>32. WOLLASTONITE</b>														
	RAJASTHAN	3	--	--	--	--	--	--	10	207	26	136		
TOTAL : METALLIFEROUS		848	50	12040	189	14711	195	12648	2948	143283	7971	550775		

**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
<b>1. APATITE &amp; ROCK PHOSPHATE</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	7	60
	RAJASTHAN	3	162	--	--	--	--	--	--	30	3252
	UTTARANCHAL	3	9	4	20	--	--	--	--	22	1807
	WEST BENGAL	3	80	--	--	--	--	--	--	3	80
TOTAL : APATITE & ROCK PHOSPA		9	251	4	20	--	--	--	--	62	5199
<b>2. ASBESTOS</b>											
	ANDHRA PRADESH	--	--	4	225	--	--	--	--	20	591
<b>3. BARYTES</b>											
	ANDHRA PRADESH	1	10	--	--	--	--	--	--	14	3565
<b>4. BAUXITE</b>											
	CHHATTISHGARH	2	220	--	--	--	--	--	--	3	330
	GUJARAT	2	150	1	90	--	--	--	--	11	307
	JHARKHAND	2	6	--	--	--	--	2	15	33	805
	KARNATAKA	--	--	--	--	--	--	--	--	1	100
	MAHARASHTRA	20	1200	--	--	--	--	12	148	64	1665
	ORISSA	1	200	3	100	27	4557	--	--	58	7097
TOTAL : BAUXITE		27	1776	4	190	27	4557	14	163	170	10304
<b>5. CALCITE</b>											
	RAJASTHAN	4	70	--	--	--	--	--	--	41	346
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	2	12
	GUJARAT	5	30	--	--	--	--	--	--	10	68
	JHARKHAND	--	--	--	--	--	--	--	--	74	724
	KARNATAKA	--	--	--	--	--	--	--	--	4	18
	KERALA	3	30	--	--	--	--	8	41	163	1631
	ORISSA	--	--	--	--	--	--	1	15	3	35
	RAJASTHAN	--	--	--	--	--	--	--	--	2	16
	TAMIL NADU	--	--	--	--	--	--	--	--	1	5
	WEST BENGAL	--	--	--	--	--	--	--	--	24	1157
TOTAL : CHINA CLAY,CLAY,WHITE-		8	60	--	--	--	--	9	56	283	3666
<b>7. CHROMITE</b>											
	KARNATAKA	4	6	--	--	--	--	1	125	12	269
	ORISSA	33	209	2	166	--	--	34	3378	334	16455
TOTAL : CHROMITE		37	215	2	166	--	--	35	3503	346	16724

**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
<b>8. COPPER</b>											
	JHARKHAND	28	410	12	3870	--	--	3	15	63	6997
	MADHYA PRADESH	47	743	--	--	--	--	--	--	51	1873
	RAJASTHAN	28	472	14	9666	8	195	15	455	84	18662
TOTAL : COPPER		103	1625	26	13536	8	195	18	470	198	27532
<b>9. DIAMOND</b>											
	MADHYA PRADESH	9	146	--	--	--	--	6	260	75	2358
<b>10. DOLOMITE</b>											
	ANDHRA PRADESH	12	80	--	--	--	--	28	1709	81	2669
	CHHATTISGARH	5	1311	--	--	--	--	1	43	56	4031
	MAHARASHTRA	--	--	--	--	--	--	--	--	11	160
	ORISSA	6	40	--	--	--	--	15	460	24	750
TOTAL : DOLOMITE		23	1431	--	--	--	--	44	2212	172	7610
<b>11. FELSPAR</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	1	1	6	169
<b>12. FIRE-CLAY</b>											
	ORISSA	--	--	--	--	--	--	--	--	1	5
<b>13. GALENA &amp; SPHALARITE</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	30
	RAJASTHAN	40	416	23	6945	4	119	11	249	2193	158266
TOTAL : GALENA & SPHALARITE		40	416	23	6945	4	119	11	249	2194	158296
<b>14. GOLD</b>											
	JHARKHAND	1	1	--	--	--	--	--	--	4	24
	KARNATAKA	4	100	8	995	--	--	--	--	29	6688
TOTAL : GOLD		5	101	8	995	--	--	--	--	33	6712
<b>15. GRANITE</b>											
	ANDHRA PRADESH	66	1893	15	2423	--	--	183	6931	448	18953
	KARNATAKA	7	38	4	240	--	--	6	670	41	1401
	KERALA	5	6	1	60	6	34	16	131	57	836
	ORISSA	--	--	--	--	--	--	3	175	5	235
	TAMIL NADU	--	--	7	590	--	--	9	674	31	1430
	UTTAR PRADESH	3	540	--	--	--	--	--	--	3	540
TOTAL : GRANITE		81	2477	27	3313	6	34	217	8581	585	23395

**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
<b>16. GRAPHITE</b>											
	JHARKHAND	--	--	--	--	--	--	--	--	3	15
	ORISSA	--	--	--	--	--	--	--	--	5	30
<b>TOTAL : GRAPHITE</b>		--	--	--	--	--	--	--	--	8	45
<b>17. IRON</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	1	76	4	424
	CHHATTISHGARH	111	2272	--	--	--	--	96	7278	496	40343
	GOA	92	700	1	5	--	--	29	393	484	47210
	JHARKHAND	181	2101	1	140	--	--	12	688	921	70394
	KARNATAKA	24	100	1	50	7	140	25	2466	271	24081
	MADHYA PRADESH	--	--	--	--	--	--	--	--	5	334
	MAHARASHTRA	--	--	--	--	--	--	4	523	6	1363
	ORISSA	189	4668	21	3313	17	230	1176	74919	3123	188310
	RAJASTHAN	--	--	--	--	--	--	--	--	87	6257
<b>TOTAL : IRON</b>		597	9841	24	3508	24	370	1343	86343	5397	378716
<b>18. LATERITE</b>											
	KARNATAKA	--	--	--	--	4	60	6	75	12	200
	KERALA	--	--	--	--	--	--	--	--	1	2
	RAJASTHAN	--	--	--	--	--	--	5	852	8	1062
<b>TOTAL : LATERITE</b>		--	--	--	--	4	60	11	927	21	1264
<b>19. LIMESTONE</b>											
	ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	--	1	23
	ANDHRA PRADESH	56	802	17	550	3	745	77	4069	557	35414
	ASSAM	4	17	--	--	--	--	--	--	4	17
	BIHAR	--	--	1	110	--	--	--	--	3	140
	CHHATTISHGARH	45	682	--	--	--	--	37	2256	178	19757
	GUJARAT	8	70	6	218	7	1172	1	2	38	10327
	HIMACHAL PRADESH	28	919	--	--	--	--	--	--	43	4476
	JHARKHAND	7	45	3	569	--	--	5	33	28	2592
	JAMMU & KASHMIR	--	--	1	3	--	--	1	5	2	8
	KARNATAKA	13	271	--	--	--	--	26	1658	104	22958
	KERALA	7	63	--	--	--	--	1	30	37	1791
	MEGHALAYA	3	965	--	--	1	844	--	--	9	2199
	MADHYA PRADESH	57	1516	3	35	2	7462	38	1409	352	41337
	MAHARASHTRA	26	186	2	155	--	--	--	--	94	8613
	ORISSA	5	35	--	--	--	--	56	2309	277	22409
	RAJASTHAN	62	3254	6	266	--	--	364	16770	818	49068
	TAMIL NADU	17	307	1	5	--	--	120	2105	447	20418
<b>TOTAL : LIMESTONE</b>		338	9132	40	1911	13	10223	726	30646	2992	241547
<b>20. MAGNESITE</b>											
	KARNATAKA	3	27	1	169	--	--	--	--	17	550
	TAMIL NADU	17	88	--	--	--	--	3	26	26	254

**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
	UTTARANCHAL	--	--	1	3	--	--	1	25	10	283
TOTAL : MAGNESITE		20	115	2	172	--	--	4	51	53	1087
21. MANGANESE											
ANDHRA PRADESH		1	20	--	--	--	--	1	10	51	930
GOA		--	--	--	--	--	--	3	80	38	1960
KARNATAKA		41	305	13	650	--	--	--	--	91	1367
MADHYA PRADESH		31	194	12	3228	--	--	7	56	211	7576
MAHARASHTRA		33	145	7	1470	--	--	21	136	143	5567
ORISSA		--	--	--	--	--	--	--	--	22	564
TOTAL : MANGANESE		106	664	32	5348	--	--	32	282	556	17964
22. MARBLE											
GUJARAT		25	104	34	1079	--	--	46	1956	246	6703
MADHYA PRADESH		--	--	2	120	--	--	16	486	35	1596
RAJASTHAN		19	252	50	3135	--	--	131	4596	350	9683
TOTAL : MARBLE		44	356	86	4334	--	--	193	7038	631	17982
23. MICA											
ANDHRA PRADESH		11	50	12	640	--	--	11	265	110	1755
BIHAR		--	--	--	--	--	--	--	--	2	20
JHARKHAND		--	--	--	--	--	--	--	--	1	10
RAJASTHAN		--	--	--	--	--	--	--	--	1	2
TOTAL : MICA		11	50	12	640	--	--	11	265	114	1787
24. QUARTZ											
ANDHRA PRADESH		--	--	--	--	--	--	--	--	2	20
JHARKHAND		1	1	--	--	--	--	--	--	4	24
TOTAL : QUARTZ		1	1	--	--	--	--	--	--	6	44
25. SALT											
HIMACHAL PRADESH		--	--	--	--	--	--	--	--	1	8
26. SANDSTONE											
ANDHRA PRADESH		20	228	--	--	--	--	12	325	433	7993
JHARKHAND		--	--	--	--	--	--	--	--	1	22
RAJASTHAN		3	45	3	120	--	--	2	30	12	284
TOTAL : SANDSTONE		23	273	3	120	--	--	14	355	446	8299

**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
<b>27. SILICA</b>											
	HARYANA	6	10	--	--	--	--	1	10	75	898
	MAHARASHTRA	18	45	--	--	--	--	3	482	83	1553
	RAJASTHAN	--	--	--	--	28	120	20	420	75	1730
<b>TOTAL : SILICA</b>		24	55	--	--	28	120	24	912	233	4181
<b>28. SILLIMANITE</b>											
	ANDHRA PRADESH	20	228	--	--	--	--	10	390	390	7100
	KERALA	1	3	16	1238	--	--	--	--	455	5221
	MAHARASHTRA	10	22	--	--	--	--	8	28	296	1672
	TAMIL NADU	--	--	--	--	--	--	640	3277	640	3277
<b>TOTAL : SILLIMANITE</b>		31	253	16	1238	--	--	658	3695	1781	17270
<b>29. SLATE</b>											
	HARYANA	--	--	--	--	--	--	--	--	2	20
<b>30. STEATITE</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	2	373	5	401
	BIHAR	--	--	--	--	--	--	--	--	6	90
	JHARKHAND	--	--	--	--	--	--	--	--	1	40
	ORISSA	--	--	--	--	--	--	--	--	2	3
	RAJASTHAN	5	256	7	1095	--	--	3	353	64	3887
<b>TOTAL : STEATITE</b>		5	256	7	1095	--	--	5	726	78	4421
<b>31. STONE</b>											
	BIHAR	--	--	1	50	--	--	--	--	37	452
	GOA	--	--	--	--	--	--	13	1530	14	1562
	GUJARAT	3	18	2	130	--	--	24	262	55	900
	HARYANA	--	--	--	--	--	--	9	1620	9	1620
	JHARKHAND	12	372	4	306	--	--	12	455	67	3912
	KARNATAKA	--	--	--	--	--	--	6	99	6	99
	MAHARASHTRA	10	20	--	--	--	--	1	30	11	50
	TAMIL NADU	--	--	--	--	--	--	--	--	4	110
	WEST BENGAL	12	182	2	20	--	--	8	468	71	4607
<b>TOTAL : STONE</b>		37	592	9	506	--	--	73	4464	274	13312
<b>32. WOLLASTONITE</b>											
	RAJASTHAN	7	42	--	--	--	--	3	98	46	483
<b>TOTAL : METALLIFEROUS</b>		1591	30208	329	44262	114	15678	3452	151297	16839	974902

**STATEMENT NO. 2.3**  
**MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2012**

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.	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	5	1	30	5	431	18	300	29	1238	--	--	4	70	5	81	62	2150	
	TOTAL : CHROMITE	6	1	30	5	431	22	396	29	1238	--	--	4	70	5	81	66	2246	
5.	COPPER																		
	JHARKHAND	2	2	60	3	275	7	120	28	1534	8	395	18	340	17	1170	83	3894	
	RAJASTHAN	2	6	1655	8	1167	38	1040	10	1610	6	210	18	415	12	866	98	6963	
	TOTAL : COPPER	4	8	1715	11	1442	45	1160	38	3144	14	605	36	755	29	2036	181	10857	
6.	GALENA & SPHALARITE																		
	ANDHRA PRADESH	1	--	--	1	75	1	50	2	60	--	--	--	--	--	--	4	185	
	RAJASTHAN	7	5	1635	6	585	37	3107	64	5730	14	1957	4	360	30	2358	160	15732	
	TOTAL : GALENA & SPHALARITE	8	5	1635	7	660	38	3157	66	5790	14	1957	4	360	30	2358	164	15917	
7.	GOLD																		
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45	
	KARNATAKA	2	--	--	2	16	1	10	10	178	--	--	--	--	--	--	13	204	
	UTTARANCHAL	1	--	--	--	--	1	3	--	--	--	--	--	--	--	--	1	3	
	TOTAL : GOLD	4	--	--	3	26	3	23	12	203	--	--	--	--	--	--	18	252	
8.	LIMESTONE																		
	JHARKHAND	1	--	--	--	--	--	--	9	748	--	--	--	--	--	--	9	748	
9.	MANGANESE																		
	MADHYA PRADESH	5	1	120	10	325	2	5	53	3069	--	--	12	240	5	15	83	3774	
	MAHARASHTRA	5	--	--	1	50	2	20	45	2907	--	--	--	--	--	--	48	2977	
	TOTAL : MANGANESE	10	1	120	11	375	4	25	98	5976	--	--	12	240	5	15	131	6751	
10.	MICA																		
	ANDHRA PRADESH	7	3	35	7	65	4	22	28	293	--	--	--	--	12	110	54	525	
	BIHAR	1	--	--	--	--	--	2	20	--	--	--	--	--	--	--	2	20	
	JHARKHAND	1	--	--	--	--	--	2	10	--	--	--	--	--	--	--	2	10	
	TOTAL : MICA	9	3	35	7	65	4	22	32	323	--	--	--	--	12	110	58	555	

**STATEMENT NO. 2.3 (CONT)**

SL. NO.	MINERAL / STATE	NO.OF MINES		WINDING USING BG MACHINERY		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.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
11. QUARTZ	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45	
12. STEATITE	RAJASTHAN	2	--	--	--	--	--	--	13	171	--	--	--	--	--	--	13	171	
TOTAL : METALLIFEROUS		50	21	3689	46	3059	122	4901	304	17878	31	2612	56	1425	81	4600	661	38164	

**STATEMENT NO-2.4**

**USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2012**

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
<b>1. APATITE &amp; ROCK PHOSPHATE</b>												
	RAJASTHAN	3	--	--	13	2904	50	7327	8	750	--	--
	WEST BENGAL	1	--	--	2	122	3	268	--	--	--	--
<b>TOTAL : APATITE &amp; ROCK PHOSPA</b>		4	--	--	15	3026	53	7595	8	750	--	--
<b>2. ASBESTOS</b>												
	ANDHRA PRADESH	1	--	--	--	--	1	165	--	--	--	--
<b>3. BARYTES</b>												
	ANDHRA PRADESH	1	--	--	10	2987	50	20000	3	1200	1	108
	RAJASTHAN	1	--	--	1	250	--	--	--	--	--	--
<b>TOTAL : BARYTES</b>		2	--	--	11	3237	50	20000	3	1200	1	108
<b>4. BAUXITE</b>												
	CHHATTISGARH	8	--	--	28	4653	62	11100	6	1075	14	2002
	GUJARAT	16	--	--	2	255	17	1651	--	--	15	1181
	JHARKHAND	10	--	--	23	3913	93	13626	--	--	12	1206
	KARNATAKA	2	--	--	3	490	10	1215	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	4	720	1	246	--	--
	MAHARASHTRA	11	--	--	13	3231	45	5495	1	413	5	830
	ORISSA	2	--	--	3	505	20	5372	1	416	4	520
<b>TOTAL : BAUXITE</b>		50	--	--	72	13047	251	39179	9	2150	50	5739
<b>5. CALCITE</b>												
	RAJASTHAN	3	--	--	3	325	7	745	2	360	8	776
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>												
	GUJARAT	2	--	--	--	--	15	1875	--	--	--	--
	JHARKHAND	1	--	--	--	--	2	67	--	--	1	72
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--
	KERALA	2	--	--	1	88	--	--	--	--	--	--
	RAJASTHAN	4	2	250	3	655	19	3490	--	--	1	75
	WEST BENGAL	1	--	--	--	--	1	90	--	--	3	220
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>		11	2	250	4	743	37	5522	--	--	5	367
<b>7. CHROMITE</b>												
	KARNATAKA	1	--	--	--	--	2	166	--	--	1	76
	ORISSA	14	--	--	47	10686	321	48163	48	6343	24	2158
<b>TOTAL : CHROMITE</b>		15	--	--	47	10686	323	48329	48	6343	25	2234

**STATEMENT NO-2.4 (CONT.)**

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.	COPPER											
	JHARKHAND	1	--	--	--	--	2	380	--	--	--	--
	MADHYA PRADESH	1	--	--	5	2799	56	36389	--	--	--	--
	RAJASTHAN	2	--	--	5	250	3	270	--	--	10	960
TOTAL : COPPER		4	--	--	10	3049	61	37039	--	--	10	960
9.	DIAMOND											
	MADHYA PRADESH	1	--	--	2	640	6	3446	3	960	2	432
10.	DOLOMITE											
	ANDHRA PRADESH	1	--	--	4	1046	8	2680	2	552	2	430
	CHHATTISHGARH	3	--	--	2	640	45	8813	1	410	15	3300
	JHARKHAND	1	--	--	2	440	52	5200	--	--	5	600
	MAHARASHTRA	1	--	--	1	130	4	490	--	--	1	124
	ORISSA	2	--	--	5	680	23	3622	--	--	3	490
TOTAL : DOLOMITE		8	--	--	14	2936	132	20805	3	962	26	4944
11.	FLUORITE											
	GUJARAT	1	--	--	3	510	--	--	2	540	--	--
12.	GALENA & SPHALARITE											
	RAJASTHAN	3	--	--	9	6742	57	8235	16	2126	7	3130
13.	GOLD											
	KARNATAKA	2	--	--	2	300	8	880	--	--	--	--
14.	GRANITE											
	ANDHRA PRADESH	79	2	480	198	44090	171	42764	12	3511	19	5490
	GOA	1	--	--	2	268	--	--	--	--	--	--
	KARNATAKA	11	--	--	39	7697	41	6237	1	220	8	1750
	KERALA	6	--	--	14	2154	17	1762	--	--	1	72
	MADHYA PRADESH	1	--	--	9	2248	15	2310	1	160	1	355
	ORISSA	1	--	--	3	555	5	735	--	--	--	--
	TAMIL NADU	54	--	--	65	11734	117	12338	--	--	--	--
	UTTAR PRADESH	3	--	--	9	2624	8	1590	2	960	--	--
TOTAL : GRANITE		156	2	480	339	71370	374	67736	16	4851	29	7667
15.	GRAPHITE											
	ORISSA	1	--	--	--	--	2	200	--	--	--	--
16.	GYPSUM											
	RAJASTHAN	12	--	--	13	1776	200	19000	--	--	2	200
17.	IRON											
	ANDHRA PRADESH	1	--	--	--	--	2	370	--	--	1	185
	CHHATTISHGARH	8	10	3874	40	16743	209	61548	36	15993	9	2081
	GOA	64	--	--	242	56420	1658	260415	103	36541	200	38269

**STATEMENT NO-2.4 (CONT.)**

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
	JHARKHAND	11	--	--	34	12140	75	36039	28	7960	28	8095
	KARNATAKA	70	--	--	244	39849	752	106507	42	14277	198	22684
	MADHYA PRADESH	4	--	--	7	1037	20	2296	1	410	8	1228
	MAHARASHTRA	9	--	--	32	6257	198	27030	18	5902	17	2821
	ORISSA	58	--	--	313	59567	787	175101	65	19785	220	30779
	RAJASTHAN	2	--	--	10	3088	53	7395	2	660	5	742
TOTAL : IRON		227	10	3874	922	195101	3754	676701	295	101528	686	10688----
18. LATERITE												
	ANDHRA PRADESH	1	--	--	1	242	5	1250	1	750	--	--
	KARNATAKA	1	--	--	1	250	6	1085	--	--	3	375
	RAJASTHAN	1	--	--	7	1040	26	4920	2	720	--	--
TOTAL : LATERITE		3	--	--	9	1532	37	7255	3	1470	3	375
19. LIMESTONE												
	ANDHRA PRADESH	61	2	405	152	44710	463	128687	49	14238	16	4412
	ASSAM	6	--	--	8	1115	30	2652	2	285	--	--
	BIHAR	2	--	--	5	1386	30	3300	1	380	--	--
	CHHATTISGARH	15	1	335	52	20004	152	57328	23	8109	13	3071
	GUJARAT	19	1	180	35	7046	268	47608	18	5330	31	6198
	HIMACHAL PRADESH	11	--	--	39	14959	74	32407	16	4404	5	669
	JHARKHAND	3	--	--	10	2783	14	7540	3	945	1	220
	JAMMU & KASHMIR	1	--	--	2	232	8	320	1	320	--	--
	KARNATAKA	19	1	867	52	16289	189	58757	16	6426	9	3015
	KERALA	1	--	--	4	1492	16	2270	--	--	--	--
	MEGHALAYA	9	--	--	24	6101	63	12330	6	1318	2	458
	MADHYA PRADESH	28	--	--	92	28999	317	91475	42	15428	30	8683
	MAHARASHTRA	7	1	302	28	8602	67	22044	11	3981	4	1200
	ORISSA	7	--	--	41	10826	113	34408	3	942	3	336
	RAJASTHAN	65	--	--	181	45678	774	158297	64	17669	53	10523
	TAMIL NADU	45	--	--	98	21911	322	59430	25	7449	23	3103
	UTTAR PRADESH	1	--	--	4	1405	23	6335	1	308	--	--
TOTAL : LIMESTONE		300	6	2089	827	233538	2923	725188	281	87532	190	41888
20. MAGNESITE												
	KARNATAKA	3	--	--	4	740	10	1144	--	--	2	230
	TAMIL NADU	4	--	--	14	1953	24	6391	3	820	1	300
	UTTARANCHAL	1	--	--	3	420	1	110	--	--	1	150
TOTAL : MAGNESITE		8	--	--	21	3113	35	7645	3	820	4	680
21. MANGANESE												
	ANDHRA PRADESH	8	--	--	9	1302	30	2643	2	420	5	641
	GOA	3	--	--	11	1298	92	8714	3	1328	2	240
	GUJARAT	1	--	--	3	1170	2	370	--	--	--	--
	KARNATAKA	3	--	--	3	315	14	1070	1	200	4	470

**STATEMENT NO-2.4 (CONT.)**

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
	MADHYA PRADESH	9	--	--	14	2958	56	12037	5	1107	23	6879
	MAHARASHTRA	4	--	--	23	6575	35	7160	5	1370	3	367
	ORISSA	13	--	--	44	8265	168	31162	10	1972	13	1529
TOTAL : MANGANESE		41	--	--	107	21883	397	63156	26	6397	50	10126
22. MARBLE												
	GUJARAT	4	--	--	21	2132	21	3098	--	--	7	672
	MADHYA PRADESH	3	--	--	4	893	9	1775	--	--	6	1115
	RAJASTHAN	6	1	150	31	8018	38	11780	2	360	13	3758
TOTAL : MARBLE		13	1	150	56	11043	68	16653	2	360	26	5545
23. MICA												
	ANDHRA PRADESH	1	--	--	--	--	--	--	--	--	--	--
24. QUARTZ												
	ANDHRA PRADESH	3	--	--	3	535	12	1466	--	--	--	--
	JHARKHAND	1	--	--	--	--	--	--	--	--	--	--
TOTAL : QUARTZ		4	--	--	3	535	12	1466	--	--	--	--
25. SANDSTONE												
	HARYANA	1	--	--	2	400	--	--	--	--	--	--
	RAJASTHAN	1	--	--	2	262	32	3736	--	--	--	--
	UTTAR PRADESH	1	--	--	--	--	10	1082	--	--	1	110
TOTAL : SANDSTONE		3	--	--	4	662	42	4818	--	--	1	110
26. SELENITE												
	RAJASTHAN	1	--	--	1	142	--	--	--	--	--	--
27. SILICA												
	HARYANA	3	--	--	2	180	12	900	--	--	1	140
	RAJASTHAN	3	--	--	4	440	32	3520	--	--	9	660
TOTAL : SILICA		6	--	--	6	620	44	4420	--	--	10	800
28. SILLIMANITE												
	ANDHRA PRADESH	1	--	--	10	1200	40	7000	3	500	8	600
	KERALA	1	--	--	--	--	8	1570	1	238	2	230
	MAHARASHTRA	1	--	--	--	--	10	2200	--	--	8	880
TOTAL : SILLIMANITE		3	--	--	10	1200	58	10770	4	738	18	1710
29. SLATE												
	HARYANA	1	--	--	2	241	6	750	--	--	--	--

**STATEMENT NO-2.4 (CONT.)**

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
30. STEATITE												
ANDHRA PRADESH	1	--	--		1	350	--	--	--	--	--	--
MADHYA PRADESH	1	--	--	--	--	--	1	50	--	--	--	--
ORISSA	1	--	--		1	115	2	80	--	--	--	--
RAJASTHAN	12	--	--		27	7194	103	23462	11	4252	29	4401
TOTAL : STEATITE	15	--	--		29	7659	106	23592	11	4252	29	4401
31. STONE												
ANDHRA PRADESH	1	--	--		1	138	--	--	--	--	--	--
BIHAR	1	--	--	--	--	--	23	4986	--	--	--	--
GOA	4	--	--		8	953	2	144	--	--	--	--
GUJARAT	1	--	--		2	250	9	1112	--	--	1	112
HARYANA	4	--	--		24	7532	38	10855	4	815	4	496
JHARKHAND	15	1	200		3	775	11	830	--	--	2	235
KERALA	1	--	--		2	310	2	280	--	--	--	--
MAHARASHTRA	4	--	--		15	4788	38	10400	2	610	12	3715
ORISSA	1	--	--		2	500	--	--	--	--	--	--
RAJASTHAN	1	--	--	--	--	--	--	--	1	100	--	--
TAMIL NADU	4	--	--		6	1093	20	2720	--	--	1	130
WEST BENGAL	3	--	--		6	963	21	3095	--	--	3	450
TOTAL : STONE	40	1	200		69	17302	164	34422	7	1525	23	5138
32. WOLLASTONITE												
RAJASTHAN	3	--	--		7	870	38	4950	3	525	10	982
TOTAL : METALLIFEROUS	943	22	7043		2617	613828	9246	1860662	745	225389	1215	205196

**STATEMENT NO. 2.4 (Continued)**

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
<b>1. APATITE &amp; ROCK PHOSPHATE</b>											
RAJASTHAN	--	--	--	--	--	1	186	16	2872	88	14039
WEST BENGAL	--	--	--	--	--	--	--	--	--	5	390
<b>TOTAL : APATITE &amp; ROCK PHOSPA</b>	--	--	--	--	--	1	186	16	2872	93	14429
<b>2. ASBESTOS</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	1	165
<b>3. BARYTES</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	1	60	65	24355
RAJASTHAN	--	--	--	--	--	--	--	--	--	1	250
<b>TOTAL : BARYTES</b>	--	--	--	--	--	--	--	1	60	66	24605
<b>4. BAUXITE</b>											
CHHATTISHGARH	--	--	--	--	--	--	--	15	1592	125	20422
GUJARAT	12	640	--	--	--	--	--	--	--	46	3727
JHARKHAND	7	277	--	--	--	--	--	5	400	140	19422
KARNATAKA	1	35	--	--	--	--	--	--	--	14	1740
MADHYA PRADESH	--	--	--	--	--	--	--	1	100	6	1066
MAHARASHTRA	--	--	--	--	--	--	--	10	1810	74	11779
ORISSA	--	--	--	--	--	--	--	5	557	33	7370
<b>TOTAL : BAUXITE</b>	20	952	--	--	--	--	--	36	4459	438	65526
<b>5. CALCITE</b>											
RAJASTHAN	--	--	--	--	--	--	--	--	--	20	2206
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>											
GUJARAT	--	--	--	--	--	--	--	--	--	15	1875
JHARKHAND	--	--	--	--	--	--	--	--	--	3	139
KARNATAKA	--	--	--	--	--	--	--	3	21	3	21
KERALA	--	--	--	--	--	--	--	9	40	10	128
RAJASTHAN	2	80	--	--	--	--	--	--	--	27	4550
WEST BENGAL	--	--	--	--	--	--	--	--	--	4	310
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>	2	80	--	--	--	--	--	12	61	62	7023
<b>7. CHROMITE</b>											
KARNATAKA	--	--	--	--	--	--	--	2	110	5	352
ORISSA	1	40	--	--	--	6	747	45	6202	492	74339
<b>TOTAL : CHROMITE</b>	1	40	--	--	--	6	747	47	6312	497	74691
<b>8. COPPER</b>											
JHARKHAND	--	--	--	--	--	--	--	--	--	2	380
MADHYA PRADESH	--	--	--	--	--	--	--	--	--	61	39188

**STATEMENT NO. 2.4 (Continued)**

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
	RAJASTHAN	--	--	--	--	--	--	--	--	18	1480
TOTAL : COPPER		--	--	--	--	--	--	--	--	81	41048
9. DIAMOND											
	MADHYA PRADESH	--	--	--	--	1	145	4	687	18	6310
10. DOLOMITE											
	ANDHRA PRADESH	--	--	--	--	1	140	--	--	17	4848
	CHHATTISHGARH	--	--	--	--	--	--	4	902	67	14065
	JHARKHAND	--	--	--	--	--	--	--	--	59	6240
	MAHARASHTRA	--	--	--	--	--	--	--	--	6	744
	ORISSA	--	--	--	--	--	--	--	--	31	4792
TOTAL : DOLOMITE		--	--	--	--	1	140	4	902	180	30689
11. FLUORITE											
	GUJARAT	--	--	--	--	--	--	3	390	8	1440
12. GALENA & SPHALARITE											
	RAJASTHAN	--	--	--	--	5	819	5	1005	99	22057
13. GOLD											
	KARNATAKA	--	--	--	--	--	--	--	--	10	1180
14. GRANITE											
	ANDHRA PRADESH	2	350	--	--	--	--	43	2435	447	99120
	GOA	--	--	--	--	--	--	--	--	2	268
	KARNATAKA	--	--	--	--	--	--	15	1173	104	17077
	KERALA	--	--	--	--	--	--	2	150	35	4173
	MADHYA PRADESH	--	--	--	--	--	--	3	330	29	5403
	ORISSA	--	--	--	--	--	--	--	--	8	1290
	TAMIL NADU	--	--	--	--	--	--	40	4748	222	28820
	UTTAR PRADESH	--	--	--	--	--	--	9	975	28	6149
TOTAL : GRANITE		3	385	--	--	--	--	112	9811	875	162300
15. GRAPHITE											
	ORISSA	--	--	--	--	--	--	--	--	2	200
16. GYPSUM											
	RAJASTHAN	3	120	--	--	--	--	11	405	229	21501
17. IRON											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	3	555
	CHHATTISHGARH	3	190	--	--	13	2729	23	7590	343	110748
	GOA	--	--	--	--	16	2568	36	6462	2255	400675
	JHARKHAND	--	--	--	--	9	2079	16	7677	190	73990
	KARNATAKA	1	50	--	--	7	1685	32	2699	1276	187751
	MADHYA PRADESH	--	--	--	--	--	--	1	90	37	5061
	MAHARASHTRA	--	--	--	--	2	530	3	965	270	43505

**STATEMENT NO. 2.4 (Continued)**

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
ORISSA		6	380	--	--	16	3209	66	13755	1473	302576
RAJASTHAN		--	--	--	--	--	--	2	220	72	12105
TOTAL : IRON		10	620	--	--	63	12800	179	39458	5919	1136966
18. LATERITE											
ANDHRA PRADESH		--	--	--	--	--	--	--	--	7	2242
KARNATAKA		--	--	--	--	--	--	--	--	10	1710
RAJASTHAN		--	--	--	--	--	--	--	--	35	6680
TOTAL : LATERITE		--	--	--	--	--	--	--	--	52	10632
19. LIMESTONE											
ANDHRA PRADESH		5	356	--	--	2	320	58	5088	747	198216
ASSAM		--	--	--	--	--	--	--	--	40	4052
BIHAR		--	--	--	--	--	--	--	--	36	5066
CHHATTISHGARH		--	--	--	--	4	720	35	7201	280	96768
GUJARAT		2	93	--	--	2	328	15	5540	372	72323
HIMACHAL PRADESH		--	--	--	--	2	358	5	322	141	53119
JHARKHAND		2	100	--	--	--	--	5	315	35	11903
JAMMU & KASHMIR		--	--	--	--	--	--	--	--	11	872
KARNATAKA		2	119	--	--	1	170	22	3583	292	89226
KERALA		--	--	--	--	--	--	--	--	20	3762
MEGHALAYA		--	--	--	--	--	--	8	990	103	21197
MADHYA PRADESH		1	50	--	--	13	2845	18	1988	513	149468
MAHARASHTRA		1	60	--	--	2	305	12	1371	126	37865
ORISSA		1	60	--	--	1	145	13	2427	175	49144
RAJASTHAN		7	298	--	--	2	340	95	15573	1176	248378
TAMIL NADU		3	126	--	--	--	--	26	5570	497	97589
UTTAR PRADESH		--	--	--	--	--	--	--	--	28	8048
TOTAL : LIMESTONE		24	1262	--	--	29	5531	312	49968	4592	1146996
20. MAGNESITE											
KARNATAKA		--	--	--	--	--	--	--	--	16	2114
TAMIL NADU		2	116	--	--	1	280	3	330	48	10190
UTTARANCHAL		--	--	--	--	--	--	1	65	6	745
TOTAL : MAGNESITE		2	116	--	--	1	280	4	395	70	13049
21. MANGANESE											
ANDHRA PRADESH		1	55	--	--	--	--	3	228	50	5289
GOA		--	--	--	--	--	--	--	--	108	11580
GUJARAT		--	--	--	--	--	--	--	--	5	1540
KARNATAKA		--	--	--	--	--	--	--	--	22	2055
MADHYA PRADESH		2	76	--	--	--	--	5	235	105	23292
MAHARASHTRA		--	--	--	--	--	--	3	75	69	15547
ORISSA		--	--	--	--	1	173	32	2678	268	45779
TOTAL : MANGANESE		3	131	--	--	1	173	43	3216	627	105082

**STATEMENT NO. 2.4 (Continued)**

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
<b>22. MARBLE</b>											
	GUJARAT	4	262	--	--	4	160	4	188	61	6512
	MADHYA PRADESH	--	--	--	--	--	--	1	50	20	3833
	RAJASTHAN	--	--	--	--	--	--	14	1205	99	25271
<b>TOTAL : MARBLE</b>		4	262	--	--	4	160	19	1443	180	35616
<b>23. MICA</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	2	125	2	125
<b>24. QUARTZ</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	15	2001
	JHARKHAND	--	--	--	--	--	--	2	45	2	45
<b>TOTAL : QUARTZ</b>		--	--	--	--	--	--	2	45	17	2046
<b>25. SANDSTONE</b>											
	HARYANA	--	--	--	--	--	--	--	--	2	400
	RAJASTHAN	--	--	--	--	--	--	--	--	34	3998
	UTTAR PRADESH	--	--	--	--	--	--	4	440	15	1632
<b>TOTAL : SANDSTONE</b>		--	--	--	--	--	--	4	440	51	6030
<b>26. SELENITE</b>											
	RAJASTHAN	1	50	--	--	--	--	--	--	2	192
<b>27. SILICA</b>											
	HARYANA	--	--	--	--	--	--	7	387	22	1607
	RAJASTHAN	--	--	--	--	--	--	--	--	45	4620
<b>TOTAL : SILICA</b>		--	--	--	--	--	--	7	387	67	6227
<b>28. SILLIMANITE</b>											
	ANDHRA PRADESH	--	--	--	--	5	900	--	--	66	10200
	KERALA	--	--	--	--	--	--	--	--	11	2038
	MAHARASHTRA	--	--	--	--	--	--	--	--	18	3080
<b>TOTAL : SILLIMANITE</b>		--	--	--	--	5	900	--	--	95	15318
<b>29. SLATE</b>											
	HARYANA	--	--	--	--	--	--	1	80	9	1071
<b>30. STEATITE</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	350
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	50
	ORISSA	--	--	--	--	--	--	--	--	3	195
	RAJASTHAN	4	175	--	--	1	180	8	432	183	40096
<b>TOTAL : STEATITE</b>		4	175	--	--	1	180	8	432	188	40691

**STATEMENT NO. 2.4 (Continued)**

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
<b>31. STONE</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	138
	BIHAR	--	--	--	--	--	--	--	--	23	4986
	GOA	--	--	--	--	--	--	--	--	10	1097
	GUJARAT	--	--	--	--	--	--	--	--	12	1474
	HARYANA	--	--	--	--	1	160	1	118	72	19976
	JHARKHAND	2	120	--	--	--	--	4	296	23	2456
	KERALA	--	--	--	--	--	--	--	--	4	590
	MAHARASHTRA	--	--	--	--	1	140	--	--	68	19653
	ORISSA	--	--	--	--	--	--	--	--	2	500
	RAJASTHAN	3	450	--	--	--	--	--	--	4	550
	TAMIL NADU	--	--	--	--	--	--	--	--	27	3943
	WEST BENGAL	1	25	--	--	--	--	--	--	31	4533
<b>TOTAL : STONE</b>		6	595	--	--	2	300	5	414	277	59896
<b>32. WOLLASTONITE</b>											
	RAJASTHAN	--	--	--	--	--	--	3	262	61	7589
<b>TOTAL : METALLIFEROUS</b>		83	4788	--	--	120	22361	840	123629	14888	3062896

**STATEMENT NO. 2.5**  
**USAGE OF ELECTRICAL MACHINERIES AND DIESEL COMPRESSORS IN OIL MINES DURING THE YEAR 2012**

STATE	NO.OF MINES		DRAW WORKS		HOISTS		PUMPS		PORTABLE MACH.		WORKSHOPS		OTHERS		TOTAL		DIESEL COMP.	
	NO.	USING MACHINERIES	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	7	28	24400	1	5	336	47408	--	--	2	6	881	71843	1248	143662	35	2777	
ARUNACHAL PRADESH	1	1	1	1	8	130	1782	10	13	3	172	1	154	146	2130	1	50	
ASSAM	18	50	49235	57	376	893	122849	57	536	156	1350	1909	135170	3122	309516	205	33862	
BIHAR	1	1	1000	1	1000	1	2000	--	--	--	--	1	1000	4	5000	1	450	
GUJARAT	24	21	8391	129	13235	2220	130990	78	936	55	1023	846	47426	3349	202001	183	101036	
JHARKHAND	8	3	595	2	370	73	9714	3	15	--	--	--	--	81	10694	1	143	
MADHYA PRADESH	3	1	145	1	415	27	1530	6	15	3	2	47	84	85	2191	3	1925	
PONDICHERRY	2	12	12000	--	--	157	17797	--	--	--	--	262	8211	431	38008	12	1200	
RAJASTHAN	6	5	4000	3	1500	395	61618	27	284	--	--	333	15445	763	82847	28	3297	
TAMIL NADU	3	--	--	--	--	167	2069	12	10	12	100	63	1100	254	3279	1	74	
TRIPURA	2	--	--	--	--	46	1427	2	10	--	--	10	723	58	2160	--	--	
WEST BENGAL	4	14	11950	2	1750	22	12536	--	--	8	25	129	26688	175	52949	11	1751	
<b>TOTAL : OIL</b>	<b>79</b>	<b>136</b>	<b>111717</b>	<b>197</b>	<b>18659</b>	<b>4467</b>	<b>411720</b>	<b>195</b>	<b>1819</b>	<b>239</b>	<b>2678</b>	<b>4482</b>	<b>307844</b>	<b>9716</b>	<b>854437</b>	<b>481</b>	<b>146565</b>	

STATEMENT NO. 2.6

USAGE OF DRILLS AND DIESEL COMPRESSORS IN METALLIFEROUS MINES DURING THE YEAR 2012

MINERAL	NO. OF MINES USING DRILLS		NUMBER OF DRILLS			NO. OF MINES USING COMPRESSORS		COMPRESSORS	
	1	2	3	4	5	6	7	8	
APATITE & ROCK PHOSPHATE	8	21	13	34	8	20	1088		
ASEBESTOS	3	--	10	10	2	2	245		
BARYTES	5	5	1	6	4	5	262		
BAUXITE	65	86	57	143	44	82	11082		
CALCITE	3	7	5	12	3	7	1025		
CHINA CLAY, CLAY, WHITE-	4	6	--	6	5	11	766		
CHROMITE	19	73	50	123	7	11	1245		
COPPER	5	129	51	180	3	19	5955		
DIAMOND	1	--	3	3	--	--	--		
DOLOMITE	28	43	17	60	15	28	2978		
FELSPAR	5	11	1	12	1	1	35		
FLUORITE	2	2	4	6	1	3	520		
GALENA & SPHALARITE	6	12	49	61	1	1	12		
GOLD	5	149	45	194	2	3	240		
GRANITE	222	1211	388	1599	182	508	62249		
GRAPHITE	1	2	3	5	--	--	--		
GYPSUM	3	3	2	5	--	--	--		
IRON	149	88	272	360	82	179	29251		
KYANITE	2	1	4	5	1	1	210		
LATERITE	2	8	1	9	2	5	382		
LIMESTONE	397	441	541	982	231	369	49595		
MAGNESITE	10	20	10	30	7	16	2100		
MANGANESE	63	275	79	354	33	71	11379		
MARBLE	18	256	101	357	14	42	4296		
MICA	20	29	13	42	9	10	580		
QUARTZ	18	32	7	39	6	6	1060		
SALT	1	2	--	2	--	--	--		
SANDSTONE	2	1	5	6	1	3	408		
SILICA	20	52	13	65	14	23	4197		
SILLIMANITE	2	2	2	4	3	9	1350		
STEATITE	36	63	27	90	23	46	5004		
STONE	154	213	64	277	77	114	11703		
WOLLASTONITE	3	18	15	33	3	15	1720		
TOTAL : METALLIFEROUS	1282	3261	1853	5114	784	1610	210937		

**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
2011	1133	917	32,657	626	57,942	6,200	370	634	98213	11425	4,606
2012	1157	603	37,527	504	56,939	6,505	563	61	102249	11363	5,081

\*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 2012 : MINERAL- STATEWISE

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	A. N. Based Small Diameter	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators ( In Numbers )		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>1. APATITE &amp; ROCK PHOSPHATE</b>													
ANDHRA PRADESH	1	--	2158	--	--	--	--	--	--	2158	4820	--	
MADHYA PRADESH	2	--	4775	26350	6700	--	--	--	--	37825	1164	10442	
RAJASTHAN	3	--	--	1358030	1042307	68659	18606	--	--	2487602	29608	757	
UTTARANCHAL	2	--	580	--	--	--	--	--	--	580	--	--	
TOTAL : APATITE & ROCK PHOSPA	8	--	7513	1384380	1049007	68659	18606	--	--	2528165	35592	11199	
<b>2. ASBESTOS</b>													
ANDHRA PRADESH	3	--	--	--	5799	--	--	--	--	5799	3727	22727	
<b>3. BARYTES</b>													
ANDHRA PRADESH	3	--	100	66850	2177418	427	--	--	--	2244795	2194	61134	
HIMACHAL PRADESH	1	--	103	--	--	--	--	--	--	103	--	820	
RAJASTHAN	1	--	--	--	--	555	--	--	--	555	--	4440	
TOTAL : BARYTES	5	--	203	66850	2177418	982	--	--	--	2245453	2194	66394	
<b>4. BAUXITE</b>													
CHHATTISHGARH	7	--	--	410222	145700	117901	9537	--	--	683360	25405	8112	
GUJARAT	16	--	545	17348	2468	54721	--	--	--	75082	19865	34183	
JHARKHAND	18	--	200	480815	17333	3972	--	--	--	502320	1736	116273	
KARNATAKA	1	--	--	--	--	400	--	--	--	400	844	217	
MADHYA PRADESH	4	--	735	--	--	15427	--	--	--	16162	--	101425	
MAHARASHTRA	8	--	--	38315	100734	860	--	--	--	139909	16633	900	
ORISSA	2	--	--	531855	411410	--	--	--	--	943265	26946	14470	
TAMIL NADU	1	--	44	--	--	--	--	--	--	44	34	--	
UTTAR PRADESH	3	--	--	1391	--	921	--	--	--	2312	--	17943	
TOTAL : BAUXITE	60	--	1524	1479946	677645	194202	9537	--	--	2362854	91463	293523	
<b>5. CALCITE</b>													
RAJASTHAN	3	--	3297	116390	--	3826	--	--	--	123513	110937	21248	
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>													
ANDHRA PRADESH	2	--	--	--	--	270	--	--	--	270	1057	200	
RAJASTHAN	2	--	456	--	--	521	--	--	--	977	--	4930	
TOTAL : CHINA CLAY,CLAY,WHITE-	4	--	456	--	--	791	--	--	--	1247	1057	5130	
<b>7. CHROMITE</b>													

**STATEMENT NO. 3.2 (CONT.)**

(IN KILOGRAMS)														
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based		A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators ( In Numbers )		
			Large Diameter	Small Diameter		Large Diameter	Small Diameter					Electric	Ordinary	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	KARNATAKA	2	--	--	35	--	646	--	--	--	681	4280	117	
	ORISSA	17	--	--	--	332187	49014	--	--	--	381201	232941	1920	
TOTAL : CHROMITE		19	--	--	35	332187	49660	--	--	--	381882	237221	2037	
8. COPPER														
	JHARKHAND	2	--	7150	--	228442	--	--	--	--	235592	363215	336644	
	MADHYA PRADESH	1	--	--	--	3058681	--	--	--	--	3058681	--	11079	
	RAJASTHAN	2	--	--	302050	186726	286200	--	--	--	774976	293303	--	
TOTAL : COPPER		5	--	7150	302050	3473849	286200	--	--	--	4069249	656518	347723	
9. DIAMOND														
	MADHYA PRADESH	1	--	--	--	126825	--	--	--	--	126825	--	3400	
10. DOLOMITE														
	ANDHRA PRADESH	3	--	--	--	201575	9280	--	--	--	210855	6920	2316	
	CHHATTISGARH	9	--	--	334708	649167	188890	--	--	--	1172765	157388	81180	
	JHARKHAND	1	--	--	--	133575	--	--	--	--	133575	1582	282	
	KARNATAKA	7	--	--	--	--	20186	--	--	610	20796	56400	10906	
	MADHYA PRADESH	2	--	--	--	--	3730	--	--	--	3730	5650	--	
	MAHARASHTRA	3	--	--	--	5325	1676	--	--	--	7001	10683	--	
	ORISSA	2	--	--	1746	170066	2403	--	--	--	174215	26351	422	
TOTAL : DOLOMITE		27	--	--	336454	1159708	226165	--	--	610	1722937	264974	95106	
11. FELSPAR														
	ANDHRA PRADESH	5	--	1839	30400	262	15625	--	--	--	48126	18332	9136	
12. FLUORITE														
	GUJARAT	1	--	--	--	4025	--	--	--	--	4025	69	--	
	MAHARASHTRA	1	--	--	--	347	--	--	--	--	347	2552	--	
TOTAL : FLUORITE		2	--	--	--	4372	--	--	--	--	4372	2621	--	
13. GALENA & SPHALARITE														
	RAJASTHAN	6	--	--	78350	1439536	765640	649	--	--	2284175	587325	191197	
14. GOLD														
	JHARKHAND	1	--	--	--	--	8700	--	--	--	8700	22920	--	
	KARNATAKA	3	--	--	--	149558	313102	--	--	--	462660	402907	181	
	UTTARANCHAL	1	--	--	--	--	45	--	--	--	45	--	--	
TOTAL : GOLD		5	--	--	--	149558	321847	--	--	--	471405	425827	181	
15. GRANITE														
	ANDHRA PRADESH	62	1165	11088	397410	597033	176011	--	--	--	1182707	337821	1066	
	GOA	2	--	--	16800	7475	3190	--	--	--	27465	58469	645	

**STATEMENT NO. 3.2 (CONT.)**

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based Large Diameter	G. 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 )	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	KARNATAKA	15	--	434	--	620	44820	--	--	8757	54631	275600	8422
	KERALA	13	--	--	5643	11857	22216	--	--	400	40116	251742	22440
	MADHYA PRADESH	1	--	--	--	--	2600	--	--	--	2600	30800	--
	ORISSA	1	--	--	--	--	496	--	--	--	496	2128	--
	TAMIL NADU	68	--	23668	--	530269	226611	--	--	13412	793960	204386	32872
	UTTAR PRADESH	3	--	--	--	7725	--	--	--	--	7725	57821	--
TOTAL : GRANITE		165	1165	35190	419853	1154979	475944	--	--	22569	2109700	1218767	65445
16. GRAPHITE													
	TAMIL NADU	1	--	--	43575	235500	492	--	--	--	279567	212	230
17. GYPSUM													
	JAMMU & KASHMIR	3	2904	3732	--	--	--	--	--	--	6636	--	18186
18. IRON													
	ANDHRA PRADESH	1	--	--	--	3980	--	--	--	--	3980	--	42947
	CHHATTISGARH	9	4121	121495	--	5611361	3954	4395	--	--	5745326	--	9509
	GOA	10	--	2220	--	527581	2652	--	--	--	532453	2165	4976
	JHARKHAND	15	--	--	--	2512494	2274	10325	--	--	2525093	58	19783
	KARNATAKA	27	--	189	105065	1612457	18768	997	--	--	1737476	4852	29401
	MAHARASHTRA	2	--	--	--	11280	65546	--	--	--	177826	--	34564
	ORISSA	65	166780	293	824484	6359160	70350	48817	--	--	7469884	151413	297620
	RAJASTHAN	1	--	--	--	221600	2475	--	--	--	224075	913	21826
TOTAL : IRON		130	170901	124197	929549	16960913	166019	64534	--	--	18416113	159401	460626
19. KYANITE													
	JHARKHAND	1	--	--	--	335	--	--	--	--	335	--	2034
	MAHARASHTRA	1	--	--	--	--	35	--	--	--	35	226	--
TOTAL : KYANITE		2	--	--	--	335	35	--	--	--	370	226	2034
20. LATERITE													
	KERALA	1	--	--	--	--	17570	--	--	--	17570	69928	--
	RAJASTHAN	1	--	--	91950	60625	--	--	--	--	152575	7561	--
TOTAL : LATERITE		2	--	--	91950	60625	17570	--	--	--	170145	77489	--
21. LIMESTONE													
	ANDAMAN & NICOBAR IS	1	--	7526	--	--	--	--	--	--	7526	9727	84
	ANDHRA PRADESH	72	--	7838	6439049	5400876	217482	85937	--	21600	12172782	489327	380950
	ASSAM	6	--	--	16653	81184	--	--	--	--	97837	42442	1625
	BIHAR	2	--	--	--	199281	3733	--	--	--	203014	--	9866
	CHHATTISGARH	15	--	--	788416	4747455	164436	48004	--	--	5748311	135465	43258
	Gujarat	27	--	--	1503114	327311	11042	--	--	--	1841467	100408	136680
	HIMACHAL PRADESH	28	3938	6393	1907050	144271	182817	--	--	--	2244469	23125	186024
	JHARKHAND	13	--	196	455402	129134	16274	--	--	--	601006	65990	94895
	JAMMU & KASHMIR	1	--	--	--	30000	--	--	--	--	30000	--	100

**STATEMENT NO. 3.2 (CONT.)**

(IN KILOGRAMS)														
Sl. No.	Mineral / State	No. of Mines	N. G. Based		A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators ( In Numbers )		
			Using Explosives	Large Diameter		Large Diameter	Small Diameter					Electric	Ordinary	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	KARNATAKA	39	1558	55	2096061	2014166	95141	100025	--	14313	4321319	246965	17341	
	KERALA	1	--	--	101200	58850	82260	--	--	--	242310	18732	--	
	MEGHALAYA	9	--	--	636810	294024	7341	24433	--	--	962608	120845	10625	
	MADHYA PRADESH	36	--	370	3271050	3390506	19645	72079	--	1580	6755230	707384	329892	
	MAHARASHTRA	8	--	--	854600	1134093	301662	--	--	--	2290355	44972	14811	
	ORISSA	13	--	--	649160	375616	940356	200	--	--	1965332	498890	11774	
	RAJASTHAN	56	--	10222	6770051	4987504	276096	103096	--	--	12146969	180030	317419	
	TAMIL NADU	46	--	4808	3246661	2268013	343051	20875	--	--	5883408	761357	127883	
	UTTARANCHAL	2	--	385	--	3070	427	--	--	--	3882	--	14934	
	UTTAR PRADESH	1	--	--	--	613050	104	--	--	--	613154	3158	42078	
	TOTAL : LIMESTONE	376	5496	37793	28735277	26198404	2661867	454649	--	37493	58130979	3448817	1740239	
22.	MAGNESITE													
	JHARKHAND	1	--	--	--	--	29	--	--	--	29	--	240	
	KARNATAKA	2	--	--	2350	9642	1450	--	--	--	13442	4574	11001	
	TAMIL NADU	5	--	708	236509	128050	2538	--	--	--	367805	48294	31732	
	UTTARANCHAL	1	--	--	4910	13039	13482	--	--	--	31431	17642	72419	
	TOTAL : MAGNESITE	9	--	708	243769	150731	17499	--	--	--	412707	70510	115392	
23.	MANGANESE													
	ANDHRA PRADESH	8	--	14	--	12475	10627	--	--	--	23116	--	31672	
	GOA	1	--	--	--	--	40	--	--	--	40	--	282	
	KARNATAKA	6	--	--	--	1492	25759	--	50400	--	77651	--	186874	
	MADHYA PRADESH	13	--	94014	--	50465	144704	--	--	--	289183	469077	35742	
	MAHARASHTRA	11	--	110	--	164572	240789	--	--	--	405471	374029	20093	
	ORISSA	16	--	872	121870	596394	71524	--	--	--	790660	37822	20890	
	TOTAL : MANGANESE	55	--	95010	121870	825398	493443	--	50400	--	1586121	880928	295553	
24.	MARBLE													
	GUJARAT	2	--	--	--	2828	3177	--	--	--	6005	1600	28795	
	MADHYA PRADESH	3	--	--	--	--	8051	--	--	--	8051	--	1313	
	RAJASTHAN	5	--	--	--	28534	3343	3861	--	--	35738	--	23518	
	TOTAL : MARBLE	10	--	--	--	31362	14571	3861	--	--	49794	1600	53626	
25.	MICA													
	ANDHRA PRADESH	16	--	25	--	9852	15744	--	--	--	25621	45662	154176	
	BIHAR	2	--	301	--	--	1740	--	--	--	2041	--	15165	
	JHARKHAND	1	--	246	--	--	--	--	--	--	246	--	1980	
	TOTAL : MICA	19	--	572	--	9852	17484	--	--	--	27908	45662	171321	
26.	QUARTZ													
	ANDHRA PRADESH	8	--	--	--	--	16345	--	--	28	16373	26523	500	
	CHHATTISGARH	2	--	--	--	--	7066	--	--	--	7066	29773	--	

**STATEMENT NO. 3.2 (CONT.)**

(IN KILOGRAMS)														
Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based		A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators ( In Numbers )		
			Large Diameter	Small Diameter		Large Diameter	Small Diameter					Electric	Ordinary	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
	JHARKHAND	1	--	--	--	--	8050	--	--	--	8050	20140	--	
	ORISSA	2	--	--	--	--	2593	--	--	--	2593	13446	--	
	RAJASTHAN	1	--	--	--	--	5365	--	--	--	5365	--	7260	
	TAMIL NADU	4	--	740	2575	--	1084	--	--	299	4698	4699	1703	
	TOTAL : QUARTZ	18	--	740	2575	--	40503	--	--	327	44145	94581	9463	
27.	SANDSTONE													
	RAJASTHAN	1	--	--	31175	7475	--	--	--	--	38650	587	90510	
	UTTAR PRADESH	1	--	--	--	19443	--	--	--	--	19443	3602	--	
	TOTAL : SANDSTONE	2	--	--	31175	26918	--	--	--	--	58093	4189	90510	
28.	SILICA													
	HARYANA	14	2652	12669	462782	7975	11514	--	--	--	497592	36523	304546	
	MAHARASHTRA	2	--	582	--	--	312	--	--	--	894	7118	--	
	RAJASTHAN	4	--	--	26221	4180	5158	--	--	--	35559	131	6263	
	TOTAL : SILICA	20	2652	13251	489003	12155	16984	--	--	--	534045	43772	310809	
29.	SILLIMANITE													
	MAHARASHTRA	1	--	--	--	--	2600	--	--	--	2600	20800	--	
30.	STEATITE													
	ANDHRA PRADESH	4	--	1885	3445	--	1490	--	--	--	6820	12120	7200	
	BIHAR	1	--	--	--	--	2115	--	--	--	2115	16920	--	
	JHARKHAND	1	--	930	--	--	--	--	--	--	930	4640	--	
	MADHYA PRADESH	3	--	3537	--	--	10684	--	--	--	14221	56122	8495	
	ORISSA	1	--	--	2617	--	--	--	--	--	2617	17450	--	
	RAJASTHAN	24	--	3231	1104424	191943	87564	3543	--	--	1390705	23507	328813	
	TOTAL : STEATITE	34	--	9583	1110486	191943	101853	3543	--	--	1417408	130759	344508	
31.	STONE													
	ANDHRA PRADESH	2	--	--	--	--	7500	--	--	--	7500	33100	1280	
	BIHAR	4	--	965	--	14700	4025	--	--	--	19690	39563	--	
	GOA	6	--	--	9100	73550	3891	--	--	--	86541	37423	--	
	GUJARAT	4	--	1725	34480	11770	13782	--	--	--	61757	31155	20076	
	HARYANA	12	22368	3657	1134107	11825	39216	7607	--	--	1218780	1207695	227889	
	JHARKHAND	81	--	23721	457	13561	344848	--	--	--	382587	587114	19338	
	KARNATAKA	2	--	--	--	--	17511	--	--	--	17511	44177	--	
	KERALA	1	--	--	--	--	4564	--	--	--	4564	52087	1194	
	MAHARASHTRA	12	--	100	54986	226563	29091	--	--	--	310740	109420	26349	
	ORISSA	2	--	6703	--	--	185	--	--	--	6888	40957	--	
	RAJASTHAN	2	8400	--	6000	12000	--	--	--	--	26400	--	14700	
	TAMIL NADU	8	--	4020	54025	88105	38330	--	--	--	184480	170173	205	
	WEST BENGAL	18	--	3542	57510	23349	37705	--	--	--	122106	267784	13830	
	TOTAL : STONE	154	30768	44433	1350665	475423	540648	7607	--	--	2449544	2620648	324861	

**STATEMENT NO. 3.2 (CONT.)**

(IN KILOGRAMS)													
Sl. No.	Mineral / State	No. of Mines	N.	G.	Based	A. N.	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators ( In Numbers )
			Using Explosives	Large Diameter	Small Diameter	Large Diameter	Small Diameter						Electric
1	2	3	4	5	6	7	8	9	10	11	12	13	14
32.	WOLLASTONITE RAJASTHAN	3	2569	--	162213	8621	3529	--	--	--	176932	107088	8931
TOTAL : METALLIFEROUS		1157	216455	387191	37526815	56939325	6504638	562986	50400	60999	102248809	11363237	5080735

**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
	<b>Ground movement</b>		<b>Explosives</b>
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
	<b>Transportation machinery (winding)</b>		<b>Electricity</b>
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		<b>Dust, gas &amp; other combustible material</b>
	<b>Transportation machinery (non winding)</b>	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
	<b>Machinery other than transp. machinery</b>		<b>Falls (other than fall of ground)</b>
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		<b>Other causes</b>
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

Code	Place of Accident	Code	Place of Accident	
<b>BELLOW GROUND</b>			<b>OPENCAST</b>	
<b>Development area</b>			<b>Benches</b>	
111	< 10m of development face	211	Waste/overburden alluvium	
112	> 10m and within working district	212	Waste/overburden float	
<b>Long wall panel</b>			213 Waste/overburden hard rock	
121	> 10m of long wall face	214	Coal/ore benches	
122	Gate roads in long wall panels	<b>Quarry (other than benches)</b>		
<b>Depillaring / stoping</b>			221 Top of the quarry	
131	< 10m of face	222	Bed of the quarry	
132	> 10m but < 30m	<b>Roads</b>		
133	> 30m but within working district	231	Haul roads	
<b>Outside working district</b>		232	Rope haulage roads	
141	Traveling roadways	239	Other transportation roads	
149	Unclassified	<b>Other open cast places</b>		
<b>Tramming roadways</b>			241 Waste dump	
151	Within district	249	Other places (specify)	
152	Outside district	<b>ABOVE GROUND</b>		
<b>Haulage roadways (within district)</b>			<b>Transportation road/sites</b>	
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	
<b>Haulage roadways (outside district)</b>			315 Petroleum pipelines	
171	Rope haulage roadways	319	Unclassified	
172	Conveyor roadways	<b>Plant sites</b>		
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	
		<b>Other above ground places</b>		
		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
1	2	3	4	5	6	7	8	9
COPPER	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
	2011	1	1	0	8	8	0.31	2.44
	2012	1	1	0	2	2	0.26	0.53
GALENA	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
	2011	3	4	4	15	16	1.00	5.01
	2012	-	-	-	6	6	-	1.48
GOLD	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
	2011	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-
IRON	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
	2006	15	21	1	21	21	0.51	0.53
	2007	14	14	4	22	23	0.34	0.65

**Statement 4.1(Continued...)**

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	Killed	No. of persons S/Injured	No. of Accidents	No. of persons S/Injured	Death	Serious
1	2	3	4	5	6	7	8	9
IRON(Contd.....)	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
	2011	4	4	0	19	19	0.08	0.36
	2012	3	3	0	6	6	0.05	0.11
LIMESTONE	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
	2011	4	4	0	5	5	0.14	0.17
	2012	4	4	0	4	4	0.13	0.13
MANGANESE	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	-
	2011	3	3	1	2	2	0.19	0.19
	2012	4	4	0	5	5	0.24	0.30
TOTAL :	2002	50	62	3	174	175	0.45	1.3
METALLIFEROUS	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
	2011	41	47	9	65	67	0.27	0.44
	2012	34	36	5	35	35	0.21	0.19

Statement 4.1(Continued...)

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	Killed	No. of persons S/Injured	No. of Accidents	No. of persons S/Injured	Death	Serious
1	2	3	4	5	6	7	8	9
OIL	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
	2011	3	3	0	17	17	0.11	0.62
	2012	2	2	0	10	10	0.09	0.44
TOTAL : NON-COAL	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
	2011	44	50	9	82	84	0.25	0.46
	2012	36	38	5	45	45	0.19	0.25

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	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
	2011	0.27	2.15	-	-	0.83	0.31	3.84	-	0.83	2.44
GALENA	2012	0.26	0.53	0.48	-	-	0.26	0.48	-	0.69	0.53
	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	2011	0.75	3.75	-	1.41	1.52	1.00	5.32	1.41	6.09	5.01
	2012	-	1.48	-	-	-	-	2.92	1.41	0.50	1.48
	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
	2011	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-

**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
IRON	2002	0.03	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	0.04	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
	2011	0.08	0.36	-	0.10	0.04	0.08	-	0.48	0.21	0.36
LIMESTONE	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
	2011	0.14	0.17	-	0.13	0.16	0.14	-	0.18	0.16	0.17
MANGANESE	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	-	-	-	-
	2011	0.19	0.13	0.70	0.13	-	0.19	1.05	-	-	0.19
	2012	0.24	0.30	0.69	0.12	0.19	0.24	1.74	-	-	0.30

**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 :	2002	0.49	0.29	0.49	0.54	0.28	0.45	5.06	0.53	1.89	1.3
METALLIFEROUS	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
	2011	0.24	0.38	0.20	0.34	0.15	0.27	2.15	0.32	0.36	0.44
	2012	0.19	0.19	0.52	0.26	0.05	0.20	1.67	0.17	0.08	0.22
OIL	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	0.10	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
	2011	0.11	0.62	-	-	0.11	0.11	-	-	0.62	0.62
	2012	0.09	0.44	-	-	0.09	0.09	-	-	0.44	0.44
TOTAL :	2002	0.33	1.29	0.49	0.54	0.21	0.4	5.06	0.53	1.72	1.31
NON-COAL	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
	2011	0.22	0.41	0.20	0.34	0.14	0.25	2.15	0.32	0.44	0.46
	2012	0.18	0.22	0.52	0.26	0.06	0.19	1.67	0.17	0.18	0.25

## STATEMENT NO. 4.3

### Causewise trend in fatal accidents in non-coal mines

Cause / Year	2007	2008	2009	2010	2011	2012
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	1 (1)	2 (3)	4 (5)	--	--	3 (3)
Fall of Side	8 (15)	11 (17)	10 (15)	14 (48)	7 (9)	10 (10)
Other Ground Movement	--	--	--	--	--	--
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	--	--	--	--	1 (1)	--
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	19 (19)	13 (13)	8 (8)	9 (10)	11 (12)	4 (4)
Other Transp. Machinery	6 (6)	2 (2)	1 (1)	3 (3)	--	1 (1)
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	7 (7)	4 (6)	3 (3)	5 (5)	10 (10)	5 (5)
<b>5. EXPLOSIVES</b>	2 (2)	2 (10)	1 (3)	3 (3)	4 (7)	4 (4)
<b>6. ELECTRICITY</b>	--	2 (3)	--	1 (1)	--	--
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	--	2 (3)	1 (1)	--	--	--
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	8 (9)	10 (10)	3 (3)	6 (8)	5 (5)	5 (5)
Fall of Objects	3 (3)	1 (1)	5 (5)	8 (8)	5 (5)	3 (3)
Other Falls	--	--	--	1 (1)	--	--
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	--	--	1 (1)	1 (1)	1 (3)
Miscellaneous	2 (2)	5 (5)	--	3 (3)	--	--
<b>T O T A L</b>	56 (64)	54 (73)	36 (44)	54 (91)	44 (50)	36 (38)
BELOW GROUND :	3 (3)	3 (4)	4 (5)	4 (4)	2 (2)	5 (5)
OPENCAST :	38 (46)	35 (42)	25 (32)	35 (72)	32 (36)	26 (28)
ABOVE GROUND :	15 (15)	16 (27)	7 (7)	15 (15)	10 (12)	5 (5)

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	2007	2008	2009	2010	2011	2012
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	1 (1)	1 (1)	1 (1)	1 (1)	2 (2)	5 (5)
Fall of Side	3 (5)	0 (7)	0 (3)	0 (3)	3 (4)	3 (5)
Other Ground Movement	--	--	--	--	--	--
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	2 (13)	2 (3)	3 (6)	2 (2)	2 (3)	3 (3)
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	2 (2)	1 (1)	--	--	--	--
Wheeled Trackless Transp.	3 (10)	5 (8)	6 (9)	2 (2)	4 (8)	3 (3)
Other Transp. Machinery	5 (5)	3 (3)	5 (5)	3 (3)	6 (6)	--
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	17 (21)	10 (12)	13 (14)	10 (10)	15 (15)	8 (8)
<b>5. EXPLOSIVES</b>	1 (2)	1 (21)	1 (1)	1 (3)	0 (4)	1 (4)
<b>6. ELECTRICITY</b>	1 (1)	1 (3)	3 (3)	2 (2)	3 (4)	--
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	1 (1)	1 (1)	--	2 (2)	--	--
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	14 (15)	17 (17)	13 (13)	13 (13)	22 (22)	8 (8)
Fall of Objects	9 (9)	20 (20)	26 (26)	16 (18)	18 (18)	12 (12)
Other Falls	--	2 (2)	--	2 (2)	1 (1)	--
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	--	--	1 (1)	--	1 (1)
Miscellaneous	20 (20)	19 (21)	23 (23)	6 (6)	6 (6)	1 (1)
<b>T O T A L</b>	79 (105)	83 (120)	94 (104)	61 (68)	82 (93)	45 (50)
<b>B E L O W   G R O U N D   :</b>	19 (30)	14 (15)	33 (36)	12 (13)	20 (21)	16 (16)
<b>O P E N C A S T   :</b>	14 (28)	13 (23)	13 (19)	16 (21)	30 (34)	14 (19)
<b>A B O V E   G R O U N D   :</b>	46 (47)	56 (82)	48 (49)	33 (34)	32 (38)	15 (15)

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	2006	2007	2008	2009	2010	2011	2012
1	Overwinding of cages, Skip of bucket	-	-	-	1	-	-	-
2	Outbreak of fire-underground	-	-	-	-	-	-	2
3	Outbreak of fire on surface	-	-	-	1	2	1	3
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	2	-	-	-	-	-	-
8	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons were endangered	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	1	2	1	4	2	4	5
<b>TOTAL</b>		<b>8</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>6</b>	<b>10</b>

### STATEMENT NO. 4.6a

#### Accidents and placewise casualties in non-coal mines by state-district wise in 2012

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. OIL</b>															
ASSAM															
Dibrugarh		0	6	0	0	0	0	0	0	0	0	0	6	0	6
Sibsagar		1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : ASSAM		1	6	0	0	0	1	0	1	0	0	0	6	0	6
GUJARAT															
Mehasana		1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL : GUJARAT		1	0	0	0	0	1	0	1	0	0	0	0	0	0
TAMIL NADU															
Thanjavur		0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : TAMIL NADU		0	1	0	0	0	0	0	0	0	0	0	1	0	1
TRIPURA															
West Tripura		0	2	0	0	0	0	0	0	0	0	0	2	0	2
TOTAL : TRIPURA		0	2	0	0	0	0	0	0	0	0	0	2	0	2
WEST BENGAL															
Burdwan		0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL : WEST BENGAL		0	1	0	0	0	0	0	0	0	0	0	1	0	1
ALL INDIA : OIL		2	10	0	0	0	2	0	2	0	0	0	10	0	10

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>2. APATITE &amp; ROCK PHOSPHATE</b>																	
RAJASTHAN																	
Udaipur		0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
TOTAL : RAJASTHAN		0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
ALL INDIA : APATITE & ROCK PHOSPHATE																	
<b>3. ASBESTOS</b>																	
RAJASTHAN																	
Udaipur		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
TOTAL : RAJASTHAN		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
ALL INDIA : ASBESTOS																	
<b>4. COPPER</b>																	
JHARKHAND																	
West Singhbhum		0	2	0	0	0	0	0	0	1	0	0	1	0	2		
TOTAL : JHARKHAND		0	2	0	0	0	0	0	0	1	0	0	1	0	2		
RAJASTHAN																	
Jhunjhunu		1	0	1	0	0	0	0	1	0	0	0	0	0	0		
TOTAL : RAJASTHAN		1	0	1	0	0	0	0	1	0	0	0	0	0	0		
ALL INDIA : COPPER																	

**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
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>5. DOLOMITE</b>															
ANDHRA PRADESH															
Khammam		0	2	0	0	0	0	0	0	0	1	0	1	0	2
TOTAL : ANDHRA PRADESH		0	2	0	0	0	0	0	0	0	1	0	1	0	2
ALL INDIA : DOLOMITE															
<b>6. GALENA &amp; SPHALARITE</b>															
RAJASTHAN															
Bhilwara		0	1	0	0	0	0	0	0	0	1	0	0	0	1
Udaipur		0	4	0	0	0	0	0	0	3	0	0	1	0	4
Rajsamand		0	1	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL : RAJASTHAN		0	6	0	0	0	0	0	0	4	1	0	1	0	6
ALL INDIA : GALENA & SPHALARITE															
<b>7. GRANITE</b>															
ANDHRA PRADESH															
Karimnagar		1	0	0	1	0	0	0	1	0	0	0	0	0	0
Prakasham		0	1	0	0	0	0	0	0	0	1	0	0	0	1
Warangal		3	0	0	3	0	0	0	3	0	0	0	0	0	0
TOTAL : ANDHRA PRADESH		4	1	0	4	0	0	0	4	0	1	0	0	0	1
ALL INDIA : GRANITE															

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>8. IRON</b>																	
CHHATTISGARH																	
Dantewara		1	1	0	0	0	0	1	0	1	0	1	0	0	0	1	
TOTAL : CHHATTISGARH		1	1	0	0	0	0	1	0	1	0	1	0	0	0	1	
GOA																	
South Goa		1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
TOTAL : GOA		1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	
JHARKHAND																	
West Singhbhum		0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
TOTAL : JHARKHAND		0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
KARNATAKA																	
Bellary		0	2	0	0	0	0	0	0	0	2	0	0	0	0	2	
TOTAL : KARNATAKA		0	2	0	0	0	0	0	0	0	2	0	0	0	0	2	
ORISSA																	
Keonjhar		0	2	0	0	0	0	0	0	0	1	0	1	0	0	2	
Sundergarh		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
TOTAL : ORISSA		1	2	0	1	0	0	0	1	0	1	0	1	0	0	2	
<b>ALL INDIA : IRON</b>																	
		3	6	0	1	0	2	0	3	0	5	0	1	0	6		
<b>9. LIMESTONE</b>																	
ANDHRA PRADESH																	
Krishna		0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	
TOTAL : ANDHRA PRADESH		0	1	0	0	0	0	0	0	0	1	0	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
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CHHATTISGARH														
		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
	GUJARAT														
	Amreli	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	GUJARAT	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	KARNATAKA														
	Gulbarga	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
	ORISSA														
	Sundergarh	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	ORISSA	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	RAJASTHAN														
	Chittorgarh	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	Kota	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Sirohi	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	RAJASTHAN	1	2	0	1	0	0	0	1	0	1	0	1	0	2
ALL INDIA : LIMESTONE		4	4	0	4	0	0	0	4	0	3	0	1	0	4
10. MAGNESITE															
	TAMIL NADU														
	Salem	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

**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
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	UTTARANCHAL														
	Almora	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : UTTARANCHAL	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	ALL INDIA : MAGNESITE	1	1	0	1	0	0	0	1	0	1	0	0	0	1
11.	MANGANESE														
	ANDHRA PRADESH														
	Vizianagaram	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
	MADHYA PRADESH														
	Balaghat	2	3	1	0	0	1	0	2	3	0	0	0	0	3
	TOTAL : MADHYA PRADESH	2	3	1	0	0	1	0	2	3	0	0	0	0	3
	MAHARASHTRA														
	Bhandara	0	1	0	0	0	0	0	0	1	0	0	0	0	1
	Nagpur	1	1	1	0	0	0	0	1	1	0	0	0	0	1
	TOTAL : MAHARASHTRA	1	2	1	0	0	0	0	1	2	0	0	0	0	2
	ALL INDIA : MANGANESE	4	5	2	1	0	1	0	4	5	0	0	0	0	5
12.	MARBLE														
	RAJASTHAN														
	Ajmer	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Jaipur	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Udaipur	1	0	0	3	0	0	0	3	0	0	0	0	0	0
	TOTAL : RAJASTHAN	3	0	0	5	0	0	0	5	0	0	0	0	0	0
	ALL INDIA : MARBLE	3	0	0	5	0	0	0	5	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							
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>13. MICA</b>																	
ANDHRA PRADESH																	
Nellore		2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	
TOTAL : ANDHRA PRADESH		2	0	2	0	0	0	0	0	2	0	0	0	0	0	0	
<b>ALL INDIA : MICA</b>																	
<b>14. SILLIMANITE</b>																	
ORISSA																	
Ganjam		0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	
TOTAL : ORISSA		0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	
<b>ALL INDIA : SILLIMANITE</b>																	
<b>15. STEATITE</b>																	
UTTARANCHAL																	
Bageshwar		1	0	0	1	0	0	0	1	1	0	1	0	0	0	1	
TOTAL : UTTARANCHAL		1	0	0	1	0	0	0	1	1	0	1	0	0	0	1	
<b>ALL INDIA : STEATITE</b>																	
<b>16. STONE</b>																	
ANDHRA PRADESH																	
Nellore		2	0	0	2	0	0	0	2	2	0	3	0	0	0	3	
TOTAL : ANDHRA PRADESH		2	0	0	2	0	0	0	2	2	0	3	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
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>JHARKHAND</b>															
	Koderma	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Dhanbad	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL : JHARKHAND		2	0	0	2	0	0	0	2	0	0	0	0	0	0
<b>RAJASTHAN</b>															
	Jaipur	1	0	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL : RAJASTHAN		1	0	0	1	0	0	0	1	0	1	0	0	0	1
<b>TAMIL NADU</b>															
	Kancheepuram	3	0	0	3	0	0	0	3	0	0	0	0	0	0
TOTAL : TAMIL NADU		3	0	0	3	0	0	0	3	0	0	0	0	0	0
<b>UTTAR PRADESH</b>															
	Sonebhadra	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL : UTTAR PRADESH		1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA : STONE		9	0	0	9	0	0	0	9	0	4	0	0	0	4
<b>17. WOLLASTONITE</b>															
<b>RAJASTHAN</b>															
	Udaipur	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
ALL INDIA : WOLLASTONITE		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
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
18.	ATOMIC MINERAL JHARKHAND														
	West Singbhum	0	6	0	0	0	0	0	0	6	0	0	0	0	6
	TOTAL : JHARKHAND	0	6	0	0	0	0	0	0	6	0	0	0	0	6
	ALL INDIA : ATOMIC MINERAL	0	6	0	0	0	0	0	0	6	0	0	0	0	6
	ALL INDIA : ALL NON-COAL MINERALS	36	45	5	28	0	5	0	38	16	19	0	15	0	50

## STATEMENT NO. 4.6b

### Placewise casualty rates by state-district wise in 2012

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
<b>1. OIL</b>									
ASSAM									
Dibrugarh		...	...	...	...	...	...	2.30	2.30
Sibsagar		...	...	0.36	0.36	...	...	...	...
TOTAL : ASSAM		...	...	0.18	0.18	...	...	1.06	1.06
GUJARAT									
Mehasana		...	...	0.36	0.36	...	...	...	...
TOTAL : GUJARAT		...	...	0.10	0.10	...	...	...	...
TAMIL NADU									
Thanjavur		...	...	...	...	...	...	3.73	3.73
TOTAL : TAMIL NADU		...	...	...	...	...	...	1.68	1.68
TRIPURA									
West Tripura		...	...	...	...	...	...	14.39	14.39
TOTAL : TRIPURA		...	...	...	...	...	...	14.39	14.39
WEST BENGAL									
Burdwan		...	...	...	...	...	...	0.97	0.97
TOTAL : WEST BENGAL		...	...	...	...	...	...	0.73	0.73
ALL INDIA : OIL		...	...	0.09	0.09	...	...	0.44	0.44
<b>2. APATITE &amp; ROCK PHOSPHATE</b>									
RAJASTHAN									
Udaipur		...	...	...	...	...	1.30	...	0.83
TOTAL : RAJASTHAN		...	...	...	...	...	1.30	...	0.83
ALL INDIA : APATITE & ROCK PHOSPHATE		...	...	...	...	...	0.95	...	0.54
<b>3. ASBESTOS</b>									
RAJASTHAN									
Udaipur		.....		Employment figures not available				.....	
TOTAL : RAJASTHAN		.....		Employment figures not available				.....	
ALL INDIA : ASBESTOS		...	13.16	...	7.46	...	...	...	...

**Statement 4.6b (continued)**

SI. 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
<b>4. COPPER</b>									
JHARKHAND									
West Singhbhum		...	...	...	...	0.77	...	2.49	1.17
TOTAL : JHARKHAND		...	...	...	...	0.77	...	2.49	1.17
RAJASTHAN									
Jhunjhunu		1.26	...	...	0.58	...	...	...	...
TOTAL : RAJASTHAN		1.26	...	...	0.58	...	...	...	...
ALL INDIA : COPPER		0.48	...	...	0.26	0.48	...	0.69	0.53
<b>5. DOLOMITE</b>									
ANDHRA PRADESH									
Khammam		...	...	...	...	...	16.13	6.90	9.66
TOTAL : ANDHRA PRADESH		...	...	...	...	...	3.16	6.80	4.32
ALL INDIA : DOLOMITE		...	...	...	...	...	0.51	0.83	0.63
<b>6. GALENA &amp; SPHALARITE</b>									
RAJASTHAN									
Bhilwara		...	...	...	...	...	1.41	...	0.52
Udaipur		...	...	...	...	8.65	...	1.86	4.52
Rajsamand		...	...	...	...	1.21	...	...	0.90
TOTAL : RAJASTHAN		...	...	...	...	2.95	1.41	0.51	1.49
ALL INDIA : GALENA & SPHALARITE		...	...	...	...	2.92	1.41	0.50	1.48
<b>7. GRANITE</b>									
ANDHRA PRADESH									
Karimnagar		...	5.62	...	5.05	...	...	...	...
Prakasam		...	...	...	...	...	0.25	...	0.18
Warangal		...	22.56	...	20.69	...	...	...	...
TOTAL : ANDHRA PRADESH		...	0.89	...	0.64	...	0.22	...	0.16
ALL INDIA : GRANITE		...	0.45	...	0.35	...	0.11	...	0.09
<b>8. IRON</b>									
CHHATTISGARH									
Dantewara		...	...	0.88	0.56	...	1.53	...	0.56
TOTAL : CHHATTISGARH		...	...	0.36	0.20	...	0.45	...	0.20

**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
GOA									
	South Goa	...	...	1.35	0.28	...	...	...	...
TOTAL : GOA		...	...	0.47	0.14	...	...	...	...
JHARKHAND									
	West Singhbhum	...	...	...	...	...	0.45	...	0.10
TOTAL : JHARKHAND		...	...	...	...	...	0.45	...	0.10
KARNATAKA									
	Bellary	...	...	...	...	...	0.53	...	0.41
TOTAL : KARNATAKA		...	...	...	...	...	0.39	...	0.31
ORISSA									
	Keonjhar	...	...	...	...	...	0.12	0.13	0.13
	Sundergarh	...	0.24	...	0.14	...	...	...	...
TOTAL : ORISSA		...	0.07	...	0.04	...	0.07	0.09	0.08
ALL INDIA : IRON									
...		0.03	0.08	0.05	...	0.17	0.04	0.11	
9. LIMESTONE									
ANDHRA PRADESH									
	Krishna	...	...	...	...	...	4.31	...	2.64
TOTAL : ANDHRA PRADESH		...	...	...	...	...	0.42	...	0.32
CHHATTISGARH									
		...	14.71	...	12.66	...	...	...	...
TOTAL : CHHATTISGARH		...	0.99	...	0.66	...	...	...	...
GUJARAT									
	Amreli	...	5.88	...	4.65	...	...	...	...
TOTAL : GUJARAT		...	0.66	...	0.57	...	...	...	...
KARNATAKA									
	Gulbarga	...	1.96	...	1.67	...	...	...	...
TOTAL : KARNATAKA		...	0.82	...	0.67	...	...	...	...
ORISSA									
	Sundergarh	...	...	...	...	...	0.62	...	0.41
TOTAL : ORISSA		...	...	...	...	...	0.47	...	0.33
RAJASTHAN									
	Chittorgarh	...	...	...	...	...	...	8.85	2.41
	Kota	...	0.23	...	0.21	...	...	...	...
	Sirohi	...	...	...	...	...	2.67	...	1.92
TOTAL : RAJASTHAN		...	0.13	...	0.11	...	0.13	0.86	0.23
ALL INDIA : LIMESTONE									
...		0.17	...	0.13	...	0.13	0.16	0.13	

**Statement 4.6b (continued)**

SI. 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
<b>10. MAGNESITE</b>									
TAMIL NADU									
Salem		...	...	...	...	...	0.52	...	0.51
TOTAL : TAMIL NADU		...	...	...	...	...	0.52	...	0.51
UTTARANCHAL									
Almora		...	7.30	...	5.32	...	...	...	...
TOTAL : UTTARANCHAL		...	7.30	...	5.32	...	...	...	...
ALL INDIA : MAGNESITE		...	0.45	...	0.42	...	0.45	...	0.42
<b>11. MANGANESE</b>									
ANDHRA PRADESH									
Vizianagaram		...	0.90	...	0.84	...	...	...	...
TOTAL : ANDHRA PRADESH		...	0.90	...	0.84	...	...	...	...
MADHYA PRADESH									
Balaghat		0.53	...	0.73	0.52	1.59	...	...	0.78
TOTAL : MADHYA PRADESH		0.53	...	0.65	0.47	1.59	...	...	0.71
MAHARASHTRA									
Bhandara		...	...	...	...	2.59	...	...	0.40
Nagpur		1.66	...	...	0.66	1.66	...	...	0.66
TOTAL : MAHARASHTRA		1.01	...	...	0.25	2.02	...	...	0.50
ALL INDIA : MANGANESE		0.69	0.12	0.19	0.24	1.74	...	...	0.30
<b>12. MARBLE</b>									
RAJASTHAN									
Ajmer		...	35.71	...	21.74	...	...	...	...
Jaipur		...	29.41	...	24.39	...	...	...	...
Udaipur		.....	Employment figures not available				.....	.....	.....
TOTAL : RAJASTHAN		...	3.98	...	3.17	...	...	...	...
ALL INDIA : MARBLE		...	3.14	...	2.51	...	...	...	...
<b>13. MICA</b>									
ANDHRA PRADESH									
Nellore		10.99	...	...	4.34	...	...	...	...
TOTAL : ANDHRA PRADESH		10.99	...	...	4.34	...	...	...	...
ALL INDIA : MICA		8.58	...	...	3.50	...	...	...	...

**Statement 4.6b (continued)**

SI.	Mineral/State/District No.	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
<b>14. SILLIMANITE</b>									
ORISSA									
Ganjam		...	...	...	...	...	8.77	...	1.03
TOTAL : ORISSA		...	...	...	...	...	8.77	...	1.03
<b>ALL INDIA : SILLIMANITE</b>									
...	...	...	...	...	...	0.54	...	0.25	
<b>15. STEATITE</b>									
UTTARANCHAL									
Bageshwer		...	0.84	...	0.76	...	0.84	...	0.76
TOTAL : UTTARANCHAL		...	0.81	...	0.73	...	0.81	...	0.73
<b>ALL INDIA : STEATITE</b>									
...	0.25	...	0.20	...	0.25	...	0.20		
<b>16. STONE</b>									
ANDHRA PRADESH									
Nellore		...	41.67	...	40.00	...	62.50	...	60.00
TOTAL : ANDHRA PRADESH		...	18.18	...	17.39	...	27.27	...	26.09
JHARKHAND									
Koderma		...	35.71	...	20.00	...	...	...	...
Dhanbad		.....	.....	.....	Employment figures not available	.....	.....	.....	.....
TOTAL : JHARKHAND		...	1.94	...	0.96	...	...	...	...
RAJASTHAN									
Jaipur		...	16.67	...	7.41	...	16.67	...	7.41
TOTAL : RAJASTHAN		...	8.70	...	4.65	...	8.70	...	4.65
TAMIL NADU									
Kancheepuram		...	21.28	...	18.75	...	...	...	...
TOTAL : TAMIL NADU		...	6.83	...	5.58	...	...	...	...
UTTAR PRADESH									
Sonebhadra		.....	.....	.....	Employment figures not available	.....	.....	.....	.....
TOTAL : UTTAR PRADESH		.....	.....	.....	Employment figures not available	.....	.....	.....	.....
<b>ALL INDIA : STONE</b>									
...	1.80	...	1.25	...	0.80	...	0.56		
<b>17. WOLLASTONITE</b>									
RAJASTHAN									
Udaipur		...	4.35	...	3.18	...	...	...	...
TOTAL : RAJASTHAN		...	1.56	...	1.16	...	...	...	...
<b>ALL INDIA : WOLLASTONITE</b>									
...	1.56	...	1.16	...	...	...	...		

**Statement 4.6b (continued)**

SI. 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
18. ATOMIC MINERAL									
	JHARKHAND								
	West Singhbhum	.....		Employment figures not available		.....			
	TOTAL : JHARKHAND	.....		Employment figures not available		.....			
ALL INDIA : ATOMIC MINERAL									
		.....		Employment figures not available		.....			
ALL INDIA : ALL NON-COAL MINERALS									
		0.52	0.26	0.06	0.19	1.67	0.17	0.18	0.25

## STATEMENT NO. 4.7

### Number of accidents and casualties/seriously injured persons in non-coal mines by place and detailed cause in 2012

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
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Manganese	2	2	0	3	3	0	0	0	0	0	0	0	0	0	0	2	2	0	3	3
Mica	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Atomic Mineral	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Roof	3	3	0	5	5	0	0	0	0	0	0	0	0	0	0	3	3	0	5	5
Asbestos	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Copper	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	0	0	0	0	0	0	0	1	1	0	0	0
Limestone	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Manganese	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Steatite	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
Stone	0	0	0	0	0	3	3	1	0	0	0	0	0	0	0	3	3	1	0	0
Atomic Mineral	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Sides (Other than Overhangs)	0	0	0	3	3	10	10	2	0	0	0	0	0	0	0	10	10	2	3	3
TOTAL : GROUND MOVEMENT	3	3	0	8	8	10	10	2	0	0	0	0	0	0	0	13	13	2	8	8
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Falls of Persons from Cages, Skip etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
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	2	2	0	0	0	3	3

**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
Copper	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Rail Transportation	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
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	1	1	0	0	0	1	1	0	1	1
Limestone	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Dumpers	0	0	0	0	0	2	2	0	3	3	1	1	0	0	0	3	3	0	3	3
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Wheeled Trackless (Truck, Tanker, etc.)	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	1	1	0	0	0	3	3	0	3	3	1	1	0	0	0	5	5	0	3	3
Galena & Sphalerite	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	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Drilling Machines	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	1	1	0	0	0	0	0	0	0	0	0	1
TOTAL : Loading Machines	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	1
Manganese	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Heavy Earth Moving Machinery	0	0	0	0	0	2	2	0	1	1	1	1	0	1	1	3	3	0	2	2
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	3	3
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Magnesite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Non-Transportation Machinery	0	0	0	0	0	2	2	0	0	0	0	0	0	3	3	2	2	0	3	3
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	0	0	0	0	0	4	4	0	4	4	1	1	0	4	4	5	5	0	8	8

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
Stone	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	1	1	3	0	0
TOTAL : Secondary Blasting Projectiles	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	1	1	3	0	0
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Projectiles	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Explosive Accidents	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	1
TOTAL : EXPLOSIVES	0	0	0	0	0	4	4	3	0	0	0	0	0	1	1	4	4	3	1	1
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Apatite & Rock Phosphate	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	1	1	1	1	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
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Mica	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Sillimanite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Atomic Mineral	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Person from Height/into Depth	1	1	0	1	1	2	2	0	3	3	2	2	0	1	1	5	5	0	5	5
Dolomite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	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
Magnesite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Persons on the Same Level	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	3	3

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	1	1	0	3	3	1	1	0	3	3
Copper	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Dolomite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Galena & Sphalarite	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Iron	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Manganese	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Wollastonite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Atomic Mineral	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
TOTAL : Fall of Objects incl. Rolling Objects	0	0	0	6	6	2	2	0	1	1	1	1	0	5	5	3	3	0	12	12
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	1	1	0	7	7	4	4	0	7	7	3	3	0	6	6	8	8	0	20	20
Oil	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	3	0	0	0	0	0	0	0	0	1	3	0	0	0
TOTAL : Flying Pieces(Except due to Explosives)	0	0	0	0	0	1	3	0	0	0	0	0	0	1	1	1	3	0	1	1
Oil	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	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : OTHER CAUSES	0	0	0	0	0	1	3	0	0	0	0	0	0	2	2	1	3	0	2	2
ALL INDIA : ALL NON-COAL MINERALS	5	5	0	16	16	26	28	5	14	14	5	5	0	15	15	36	38	5	45	45

## STATEMENT NO. 4.8

### Fatal accidents and casualties in non-coal mines by broad causes in 2012

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	--	--	--	--	2	--	1	3
Killed-Injr :	--	--	--	--	--	--	2- 0	--	1- 0	3- 0
Fall of Sides	--	--	--	--	--	2	1	3	4	10
Killed-Injr :	--	--	--	--	--	2- 0	1- 0	3- 1	4- 1	10- 2
Dumpers	--	--	--	--	1	--	--	1	1	3
Killed-Injr :	--	--	--	--	1- 0	--	--	1- 0	1- 0	3- 0
Trucks	--	--	--	--	--	--	--	1	--	1
Killed-Injr :	--	--	--	--	--	--	--	1- 0	--	1- 0
Other Machinery	--	1	--	--	--	1	1	1	2	6
Killed-Injr :	--	1- 0	--	--	--	1- 0	1- 0	1- 0	2- 0	6- 0
Explosives	--	--	--	--	--	--	--	3	1	4
Killed-Injr :	--	--	--	--	--	--	--	3- 3	1- 0	4- 3
Fall of Persons	1	--	--	--	1	1	--	--	2	5
Killed-Injr :	1- 0	--	--	--	1- 0	1- 0	--	--	2- 0	5- 0
Fall of Objects	1	--	--	--	1	--	--	--	1	3
Killed-Injr :	1- 0	--	--	--	1- 0	--	--	--	1- 0	3- 0
Other Causes	--	--	--	--	--	--	--	--	1	1
Killed-Injr :	--	--	--	--	--	--	--	--	3- 0	3- 0
Below Ground	--	1	--	--	--	--	2	--	2	5
Killed-Injr :	--	1- 0	--	--	--	--	2- 0	--	2- 0	5- 0
Opencast	--	--	--	--	1	4	1	9	11	26
Killed-Injr :	--	--	--	--	1- 0	4- 0	1- 0	9- 4	13- 1	28- 5
Above Ground	2	--	--	--	2	--	1	--	--	5
Killed-Injr :	2- 0	--	--	--	2- 0	--	1- 0	--	--	5- 0
TOTAL	2	1	--	--	3	4	4	9	13	36
Killed-Injr :	2- 0	1- 0	--	--	3- 0	4- 0	4- 0	9- 4	15- 1	38- 5

□

### STATEMENT NO. 4.9

#### Serious accidents and seriously injured persons in non-coal mines by broad causes in 2012

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	--	--	--	3	--	1	5
Injured :	--	--	1	--	--	--	3	--	1	5
Fall of Sides	--	1	--	--	--	--	1	--	1	3
Injured :	--	1	--	--	--	--	1	--	1	3
Dumpers	--	--	--	--	1	2	--	--	--	3
Injured :	--	--	--	--	1	2	--	--	--	3
Other Machinery	4	--	3	--	2	2	--	--	--	11
Injured :	4	--	3	--	2	2	--	--	--	11
Explosives	1	--	--	--	--	--	--	--	--	1
Injured :	1	--	--	--	--	--	--	--	--	1
Fall of Persons	--	--	--	--	2	--	--	--	6	8
Injured :	--	--	--	--	2	--	--	--	6	8
Fall of Objects	3	1	2	--	1	--	1	--	4	12
Injured :	3	1	2	--	1	--	1	--	4	12
Other Causes	2	--	--	--	--	--	--	--	--	2
Injured :	2	--	--	--	--	--	--	--	--	2
Below Ground	--	1	4	--	--	--	5	--	6	16
Injured :	--	1	4	--	--	--	5	--	6	16
Opencast	--	--	1	--	5	3	--	--	5	14
Injured :	--	--	1	--	5	3	--	--	5	14
Above Ground	10	1	1	--	1	1	--	--	1	15
Injured :	10	1	1	--	1	1	--	--	1	15
TOTAL	10	2	6	--	6	4	5	--	12	45
Injured :	10	2	6	--	6	4	5	--	12	45

**STATEMENT NO. 4.10**  
**Regionwise/Zonewise accidents in non-coal mines in 2012**

Region / Zone	Fatal Accidents			Serious Accidents	
	Accident	Killed	Injured	Accident	Injured
Dhanbad II	1	1	--	--	--
Koderma	1	1	--	--	--
Central Zone	2	2	--	--	--
Guwahati	1	1	--	8	8
Sitarampur II	--	--	--	1	1
Eastern Zone	1	1	--	9	9
Ahmedabad	2	2	--	--	--
Udaipur	3	5	--	8	8
North-Western Zone	5	7	--	8	8
Ajmer	5	5	1	1	1
Ghaziabad	2	2	1	--	--
Varanasi	1	1	--	--	--
Northern Zone	8	8	2	1	1
Goa	1	1	--	--	--
Hyderabad I	6	6	--	4	4
Hyderabad II	2	2	3	--	--
South-Central Zone	9	9	3	4	4
Bhubaneswar	1	1	--	1	1
Chaibasa	1	1	--	12	12
South-Eastern Zone	2	2	--	13	13
Bellary	1	1	--	2	2
Chennai	3	3	--	2	2
Southern Zone	4	4	--	4	4
Bilaspur	2	2	--	1	1
Nagpur I	3	3	--	4	4
Nagpur II	--	--	--	1	1
Western Zone	5	5	--	6	6
ALL INDIA	36	38	5	45	45

## **STATEMENT NO. 4.11**

### **Fatal accidents in non-coal mines by cause and responsibility in 2012**

<b>Responsibility / Major Cause Group</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>Total</b>
Misadventure	-	-	-	-	-	-	-	1	-	1
Management	6	-	1	3	1	-	-	1	-	12
Management & Sub. Sup. Staff (SSS)	4	-	-	-	2	-	-	3	1	10
Management & Coworker	-	-	2	-	-	-	-	-	-	2
Subordinate Supervisory Staff (SSS)	2	-	-	1	-	-	-	1	-	4
Sub. Sup. Staff & Deceased	-	-	1	-	-	-	-	-	-	1
Coworker & Deceased	-	-	-	1	-	-	-	-	-	1
Deceased	1	-	1	-	1	-	-	1	-	4
Others	-	-	-	-	-	-	-	1	-	1
<b>Total</b>	<b>13</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>1</b>	<b>36</b>

## **STATEMENT NO. 4.12**

### **Summary of Findings of Fatal Accidents during the year, 2012**

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**Code : 0100                  Ground Movement**

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**Code : 0111                  Fall of Roof  
( 3 Deaths)**

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1. Date - 07/01/12                  Mine - MAHANTH MICA MINES  
Time - 10.50                  Owner - MAHANTH MICA MINES  
                                        Dist. - Nellore, State - Andhra Pradesh  
Person(s) Killed :

1. Revuru Venkateswarlu, Muck Mazdoor, Male, 54 Years

While a group of six muckers were engaged for sorting and picking mica from the blasted pegmatite ore in a stope of an underground mica mine, suddenly a mass of ore of about 1.2m long X 0.75m wide X 0.5m thick parted from the last slice and fell over one of the muckers from a height of 2.0m inflicting injuries to which he succumbed few hours later at his residence.

Had the roof of the working place was made and kept secure by proper dressing and supporting before engaging persons as required under the provisions of Regulation 112(1) read with 116(3) (b) of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

2. Date - 03/04/12                  Mine - GUMGAON MANGANESE MINE  
Time - 17.00                  Owner - MANGANESE ORE [INDIA] LTD.  
                                        Dist. - Nagpur, State - Maharashtra  
Person(s) Killed :

1. Sunil V. Parteti, P.R. Worker, Male, 30 Years

While a workman was removing blasted muck from the floor for erection of a prop to support the back(roof) in a stope in an underground manganese mine, a piece of contaminated ore measuring 0.6m X 0.45m and about 0.2m thick had parted from the back(roof) at a height of 3.4m and fell on the back of the workman. Due to the impact the workmen fell down on the boulders which he was removing for erection of prop. The workmen received injuries to spinal cord, kidney and pelvic bones due to which he fell unconscious and expired within one hour while being transported to the hospital.

Had the roof(back) of the gallery been made and kept secured as required under Regulation 112 of Metalliferous Mines Regulations, 1961 read with Rule 2(a) of Systematic Support Rules approved vide permission letter No. NR/II(f)/3223 dated 01.05.1997, this accident could have been averted.

3. Date - 28/08/12                  Mine - RAMRAMA MANGANESE MINE ( DUMP WORKING )  
Time - 11.00                  Owner - A. P. TRIVEDI SONS  
                                        Dist. - Balaghat, State - Madhya Pradesh  
Person(s) Killed :

1. Sunil Narendra Mudtam, Unskilled Wo, Male, 27 Years

While a workman was dressing the back(roof) in a development ore drive in an underground manganese mine, suddenly a piece of contaminated ore piece measuring about 2.4m X 1.1m and about 0.7m thick parted from the

back (roof) from a height of 2.1m and fell on him inflicting serious bodily injuries to which he succumbed while being transported to the hospital.

Had the roof (back) of the ore drive been made and kept secured as required under Regulation 112 of Metalliferous Mines Regulations, 1961 and with Rule 1(1) of Systematic Support Rules framed by the manager, this accident could have been averted.

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Code : 0112

**Fall of Sides (Other than Overhangs)**  
**( 10 Deaths)**

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4. Date - 19/02/12

Mine - RATAIS SOAP STONE MINE

Time - 11.30

Owner -

Dist. - Bageshwer, State - Uttaranchal

Person(s) Killed :

1. Ramu Bahadur, Gen Mazdoor, Male, 32 Years

While some workmen were filling mineral in the gunny bags near a four feet high bench, a stone piece measuring 2.0m X 0.6m X 0.3m slipped off from the edge of the bench and fell on them, killing one of them on the spot and inflicting serious injuries on another.

Had the manager cum mine foreman ensured after making careful examination before deploying workmen near bench that the place is safe in all respect and workmen engaged there in do not undercut as required from him under Section 18(4) of the Mines Act, 1952 read with provisions of Regulation 44(1)(2) and 106(5) of Metalliferous Mines Regulations, 1961, this accident could have been averted.

5. Date - 20/05/12

Mine - RANI JAROD LIMESTONE MINE

Time - 8.00

Owner - SHRI D.P. VERMA

Dist. - , State - Chhattisgarh

Person(s) Killed :

1. Khubi Ram Dhruv, Mazdoor, Male, 30 Years

While three workmen were manually loading broken limestone pieces in a tractor trolley near a 14m high vertical bench at the floor of an opencast limestone mine, a piece of stone parted off from its side and hit one workman, inflicting serious head injury to which he succumbed 16 hours and 55 minutes later in the hospital.

Had the workings been kept adequately benched, sloped and secured by adequate dressing so as to prevent sudden fall of stone pieces from high wall sides and workings been kept unders adequate supervision as required under Section 17 and 18 of Mines Act, 1952 read with Regulation 106(2)(a), 43, 34 and 116(1) of MMR, 1961, this accident could have been averted.

6. Date - 29/05/12

Mine - ACHOJAI MASAONARY STONE MINE

Time - 16.30

Owner - SHRI NARENDRA SINGH SHEKHAWAT

Dist. - Jaipur, State - Rajasthan

Person(s) Killed :

1. Durga Lal, JCB Machine Operator, Male, 32 Years

While a JCB loader and two Tractors were engaged in loading of broken stones at the bottom of a 50m high bench of a quarry suddenly a rock mass measuring about 12m X 9m X 5m parted at a height of about 15m from the side and fell over the machines thus completely burrying them and inflicting serious bodily injuries to JCB operator and a mazdoor to which JCB operator succumbed on way to a hospital and minor injuries to two tractor operators.

Had

- i) side of the mine been adequately benched sloped or secured so as to prevent danger of fall of the side,
- ii) under cutting of hang wall side of the mine not been permitted so as to cause overhang and
- iii) a duly qualified Manager been appointed for management, control, supervision and direction of the mine,

as required under the provisions 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) of the Mines Act, 1952, this accident could have been averted.

7. Date - 23/06/12

Mine - MASARO KI OBERI SERPENTINE MINE

Time - 5.30

Owner - M/S ARORA'S J.K. NATURAL MARBLE LTD.

Dist. - Udaipur, State - Rajasthan

Person(s) Killed :

1. Hemand Mandawat, Sales Manager, Male, 39 Years

While a person was checking a marble block at the bottom of an opencast mine, suddenly a rock mass measuring about 5m(Length) X 4.0m(Width) X 6.0(Height) fell down from a height of about 16m and shattered into pieces. One marble piece measuring about 1m(Length) X 0.80m(Width) X 0.75(Height) hit him inflicting serious bodily injury to which he succumbed after 14 days.

Had

i) the sides been adequately, benched, sloped or secured so as to prevent danger from fall of sides as required under Regulation 106(3) of the Metalliferous Mines Regulations, 1961 and

ii) the entrance to the bottom of the high and loose benches been fence off as to prevent inadvertent entry of any person as required under the provisions of Regulations 115(4) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

8. Date - 25/06/12

Mine - VENKATESHWARA GRANITE MINE

Time - 12.00

Owner - SHRI PAGADALA VENKATESHWARLU

Dist. - Warangal, State - Andhra Pradesh

Person(s) Killed :

1. Kale Boyina Shekher, Worker, Male, 24 Years

While two persons were engaged for withdrawing a wire saw machine and a pump from the bottom of the quarry to prevent from drowning due to rain, suddenly loose boulders from the sides fell down and a piece measuring about 2m X 1m X 0.5m slided over one of the persons causing serious injuries to him which proved fatal later on. The other escaped unhurt.

Had

i) the sides been benched, sloped and secured as required under Regulation 106(3) of MMR, 1961 and ensured that no loose, stone, debris lies within 3.0m from the edge of the bench as required under Reg. 106(2) of MMR, 1961 and

ii) the management ensured that mine is under the general supervision of manager, as required under the Regulation 34(1)(a) of MMR, 1961, read with Section 18(1) & (4) of the Mines Act, 1952 and the workings been placed under general supervision of a competent person as required under Regulation 37(1)(a) of MMR, 1961 as well as the working place including side of the quarry been inspected by a competent person before commencement of work as required under Regulation 116(3)(b) of MMR, 1961,

this accident could have been averted.

9. Date - 25/06/12

Mine - Kovaya Limestone Mine

Time - 10.40

Owner - M/S ULTRA TECH CEMENT LIMITED

Dist. - Amreli, State - Gujarat

Person(s) Killed :

1. Pramod Kr. Singh, Mining Mate, Male, 40 Years

While a mining Mate was checking for misfire at the toe of bench in mechanised opencast workings, suddenly, a boulder measuring about 1.00m X 0.50m X 0.30m, rolled down from the height of about 5m from the top of the blasted bench and hit him, inflicting serious bodily injuries to which he succumbed on the way to hospital.

Had the sides of the bench been adequately secured so as to prevent danger from fall of side and not entered near toe of blasted bench, thus omitting to ensure his own safety in opencast workings as required under the provisions of Regulations 106(3) of the Metalliferous Mines Regulations, 1961, read with Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

10. Date - 05/07/12

Mine - SADANANDAPURAM MANGANESE MINE

Time - 23.00

Owner - R. B. S. S. D. AND F. N. DAS CO.

Dist. - Vizianagaram, State - Andhra Pradesh

Person(s) Killed :

1. Kolagana Trinada, Worker, Male, 32 Years

While three workers were employed in a group on the floor of an ore bench for extraction of manganese ore, suddenly, a piece of ore measuring about 2.5m X 0.9m X 0.6m dislodged from the side face from a height of 1.5m and further broke into smaller pieces. One such piece measuring about 0.6m X 0.9m X 0.6m hit to the lower abdomen of one of the workers causing death on the spot, the other two escaped unhurt.

Had the competent person examined the working place carefully by checking the side of the face before commencement of work, in the section assigned to him, and secured the working place by dressing down the loose portion of the ore body from the face under the provision of Regulation 47(3)(a) and 116(3)(b) of Metalliferous Mines Regulations, 1961, this accident could have been averted.

11. Date - 17/10/12

Mine - GOLPAHARI STONE QUARRY MARRO PLOT-386(P)

Time - 15.00

Owner - Shri Gayasuddin Ansari

Dist. - Dhanbad, State - Jharkhand

Person(s) Killed :

1. Putul Roy, Mazdoor, Male, 50 Years

While a worker was engaged for manual extraction of stone at the toe of 25m high vertical sides in an opencast pit consisted of highly fractured rock, suddenly loose boulders fell from an average height of 20m inflicting serious bodily injuries to which he succumbed instantly at the spot.

Had

- i) the sides been kept adequately benched, sloped or secured to prevent danger from fall of sides as required under the provisions of Regulation 106(3) of the Metalliferous Mines Regulations, 1961,
- ii) loose stone not been allowed to remain on side of excavation as required under the provisions of Regulation 106(4) of the Metalliferous Mines Regulations, 1961 and
- iii) the mining operation been caried out under the supervision of a duly qualified manager for overall management, control, supervision and direction of the mine, as required under the provision of section 17(1) of the Mines Act, 1952, read with Regulation 34(1) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

12. Date - 21/12/12

Mine - SHREYA MARBLE MINES

Time - 2.15

Owner - SMT. BABITA GUPTA

Dist. - Ajmer, State - Rajasthan

Person(s) Killed :

- 1. Ramkesh Meena, Driller cum Mac Optr, Male, 25 Years

While a driller cum Wire Saw Machine Operator was sitting near bottom of a marble block freshly cut on all sides and of the size of about 11m X2.5m X 2.5m, the block collapsed on the bench and broke into five pieces one of which hit the Operator and partially buried him inflicting serious bodily injuries to him to which he succumbed instantaneously.

Had a mining mate been appointed for adequate inspection and thorough supervision of operations in 2nd shift of the mine, the 2nd shift operations been placed under an Assistant Manager and the side adequately benched, sloped or secured so as to prevent danger of fall of freshly cut marble block from side of the bench as required under the provisions of the Regulations 39(1) (a) &(b) and 106(3) of the Metalliferous Mines Regulations, 1961 read with Section 18(1) & (4) of the Mines Act, 1952,

This accident could have been averted.

13. Date - 29/12/12

Mine - BILLI MARKUNDI STONE MINE S.N.-5580

Time - 12.00

Owner - SHRI RAMJI AND SMT PARWATI DEVI

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

- 1. Vijay Goud, Labour, Male, 30 Years

While, five persons were employed beneath a 6-7m high and near vertical side of a stone quarry, consisting of morum and stone/boulders intercalated with clay/ morum and also interspersed with prominent horizontal bedding planes and vertical joints, the high side collapsed to inflict serious bodily injuries to one person, to which he succumbed whilst on way to hospital.

Had the sides of the opencast workings been adequately benched, sloped or secured so as to prevent danger from fall of sides, as required by the provisions of Regulation 106(1) & Regulation 106(3) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

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Code : 0300

Transportation Machinery (Non-Winding)

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Code : 0333

Other Rail Transportation  
( 1 Death)

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14. Date - 21/02/12

Time - 14.45

Mine - KHETRI COPPER MINE

Owner - HINDUSTAN COPPER LTD.

Dist. - Jhunjhunu, State - Rajasthan

Person(s) Killed :

1. Sajjan Singh, Loco Assistant, Male, 53 Years

While a Loco Assistant tried to ride a moving locomotive by putting one of his legs on to the loco, having about 30cm high guard plate around top of its body, his other leg got entangled in a manila rope used for unloading of loaded cars in an ore pass and was dragged along with the moving loco as both his legs remained struck at two different places resulting tearing wounds at his groin region and bleeding to which he succumbed in a hospital about 11 hours later.

Had

i) the Loco Operator stopped the locomotive before Loco Assistant could ride on it safely thus not negligently endangered life and limb of Loco Assistant and

ii) the Loco Assistant not negligently attempted to ride on moving locomotive thus not endangered his own life and limb,

as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

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Code : 0335

Dumpers

( 3 Deaths)

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15. Date - 07/01/12

Time - 5.47

Mine - BONDRA ADVONA IRON ORE MINE

Owner - PANDURONGA TIMBLO INDUSTRIES

Dist. - South Goa, State - Goa

Person(s) Killed :

1. Vinod Bhuyan, Security Gaurd, Male, 25 Years

While a loaded tipper was going to unload excess material at a place near the weigh bridge of a mine, the operator suddenly reversed it without giving any audible warning as a result of which it hit and ran over a security guard posted nearby inflicting fatal injuries.

Had

i) he not reversed the tipper suddenly and negligently without ensuring that he had a clear view of the area behind the vehicle and without giving audible warning signal as required under the Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with condition No. 14.2(v) of the permission letter No. GO-72/106(2)(b)/1334 dated 28.05.2009, and

ii) the tipper been examined to ensure that it's audio-visual warning device is in working order as required under the provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with condition No. 10.14(1) of the permission letter No. GO-72/106(2)(b)/1334 dated 28.05.2009,

this accident could have been averted.

16. Date - 11/05/12                    Mine - HARSHITA GRANITE MINE  
Time - 12.30                            Owner - SH. K. NAGAIAH  
    Dist. - Warangal, State - Andhra Pradesh  
    Person(s) Killed :

1. Gajendra Pradhan, Drill Helper, Male, 25 Years

While an oil barrel was being rolled and transported from the ramp of a quarry (surface) a tipper suddenly reversed and hit the person who succumbed to injuries later-on.

Had

i) the person working in the quarry been careful and not negligent while performing their respective work as required under Regulation 181 of MMR, 1961

ii) the manager been appointed as required under Regulation 34(1)(a) and

iii) the persons been trained as required under Rule 3 of MVTR, 1966,

the accident could have been averted.

17. Date - 26/05/12                    Mine - SAI JOTHI BLUE METAL STONE MINE(SF 36/2)  
Time - 9.30                            Owner - SMT. M. JOTHPRAKASAM  
    Dist. - Kancheepuram, State - Tamil Nadu  
    Person(s) Killed :

1. A. Kumaresan, Tipper Driver, Male, 35 Years

While a tipper parked on a gradient moved suddenly, its driver jumped on its footboard to stop it, but the tipper moved uncontrolled along the bench slope, toppled to its right trapping the driver below it, which proved fatal instantaneously.

Had

i) the both side rear wheels of the tipper been effectively chocked by stoppers and steering turned off centre to prevent inadvertent movement of the tipper while parking on a grade, as required by DGMS Technical Circular 1 of 1989 and

ii) the driver of the tipper not jumped on the footboard of the moving tipper on a gradient, thus negligently not done something likely to endanger his ownlife, as required under Regulation 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

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Code : 0339

Wheeled Trackless(Truck, Tanker, etc.)  
( 1 Deaths)

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18. Date - 20/02/12                    Mine - RASHTIYA STONE CHIPS  
Time - 8.45                            Owner - M/S PRADEEP SINGH  
    Dist. - Koderma, State - Jharkhand  
    Person(s) Killed :

1. Khushi Yadav, Outsider, Male, 45 Years

While a truck was being reversed on 10m wide haul road having gradient 1 in 16, it fell down to bed of the quarry through a height of 7.1m resulting in death of the truck driver.

Had the truck been reversed carefully under proper supervision as required under provisions of Regulation 181 & Reg. 47(1)(b) of the MMR, 1961, this accident could have been averted.

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**Code : 0400**

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**Machinery Other than Transp. Machinery**

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**Code : 0448**

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**Other Heavy Earth Moving Machinery  
( 3 Deaths)**

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19. Date - 01/03/12

Mine - TIRODI MANGANESE MINE

Time - 14.30

Owner - MANGANESE ORE [INDIA] LTD.

Dist. - Balaghat, State - Madhya Pradesh

Person(s) Killed :

1. Giridhari Sukhram, Contractor Worker, Male, 42 Years

While a Dozer was being reversed in an ore sorting area of an opencast manganese mine, it ran over an employee who came behind it accidentally. The person received serious bodily injuries to which he succumbed almost instantaneously.

Had

i) the Dozer not been reversed when persons were in such proximity as to be endangered and without the assistance of the spotter in contravention of clause 12.1 and 13.1(e) of Annexure 'A' enclosed with the permission letter No. MIII/308010 date 10.09.1970 granted under Regulation 106(2) (b) of Metalliferous Mines Regulations, 1961,

ii) the spotter positioned himself at suitable place so as to watch and withdraw persons from the dozer movement area thus not negligently omitted to ensure safety of the persons employed in contravention of Regulation 42 read with Regulation 181 of Metalliferous Mines Regulations, 1961 and

iii) the person(deceased) been careful and did not go to such proximity of dozer as to be endangered thus not negligently omitted to ensure his own safety in contravention of Regulation 41(4) (b) read with Regulation 181 of Metalliferous Mines Regulation, 1961,

this accident could have been averted.

20. Date - 24/11/12

Mine - EDAYANKODUMANTHANGAL STONE Q. NO. 2, S. F. 68

Time - 16.00

Owner - SHRI. K. DHANASEKAR

Dist. - Kancheepuram, State - Tamil Nadu

Person(s) Killed :

1. T. Paramasivam, Excavator Operator, Male, 22 Years

While an excavator was being driven to the opencast workings of the mine on a haul road, it fell down into discontinued opencast workings of the adjacent mine to a depth of about 8.7m, inflicting injuries to the operator, which proved fatal instantaneously.

Had,

i) a duly qualified manager been appointed for overall management, control, supervision and direction of the mine and for enforcement of the requirements of the Act, Regulations and Orders made there under as required under Section 17 (1) and Section 18 (4) of the Mines Act 1952 read with Regulation 34 of the Metalliferous Mines Regulations, 1961;

ii) a strong parapet wall or embankment or berm not less than one metre in height been provided to prevent the excavator getting off the road and falling to lower level as required by Condition No. 4.5 of the 'Annexure-MMR-106' of the permission granted vide Letter No. CR/Stone/Perm/2006/2157 dated 26.07.2006 for working the opencast mine with heavy earth moving machinery under Regulation 106(2) (b) of Metalliferous Mines Regulations, 1961;

the accident could have been averted.

21. Date - 15/12/12                    Mine - INJEPALLI LIMESTONE MINE  
Time - 9.20                            Owner - VASAVADATTA CEMENT  
    Dist. - Gulbarga, State - Karnataka  
Person(s) Killed :

1. Shivanand Pujari, Heavy Equip. Optr., Male, 38 Years

While a Heavy Equipment Operator was driving a soil compactor on a haul road of about 24 metres wide with a gradient 1 in 16, he leaned outside to catch the fallen tiffin box, thus lost control and fell down from the cabin to the ground and finally run over by the right rear wheel inflicting fatal injuries to him.

Had the tiffin box was kept in the rest shelter and ensured not to carry on the soil compactor for the safety of persons employed, thus proper observance of statute and works were carried as per provisions of the Act, Regulations & Orders made there under as required under the provisions of Reg. 47(1)(b) and Reg. 46(2)(a)&(b) of the Metalliferous Mines Regulations, 1961. this accident could have been averted.

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Code : 0449

Other Non-Transportation Machinery  
( 2 Deaths)

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22. Date - 06/06/12                    Mine - JHIROLI MAGNESITE MINE  
Time - 16.30                            Owner - ALMORA MAGNISITE LTD.  
    Dist. - Almora, State - Uttaranchal  
Person(s) Killed :

1. Naveen Chandra Sanwal, S.S. Worker, Male, 31 Years

While a semi skilled worker was attempting to push a large piece of stone in to the jaw-crusher with the help of a crowbar, the lower end of the crowbar hit the moving plate of the jaw-crusher and consequently upper end of the crowbar inflicted serious injury on his left temple to which he succumbed on way to the hospital.

Had

i) the semi-skilled worker not done his job negligently and used the crowbar only after the plate of the jaw-crusher became stationary so as to endanger his life as required under Regulation 181 of the Metalliferous Mines Regulations, 1961;

ii) the Manager and Engineer ensured that the workmen discharged their duties in accordance with the code framed for the jaw-crusher as required by the clause 17(b) of the Permission Order No. 1759 dated 14.05.2004 issued under Regulations 106(2)(b) of the Metalliferous Mines Regulations, 1961,

the accident could have been averted.

23. Date - 21/11/12                    Mine - USM Granite Mine  
Time - 3.30                            Owner - SHRI K. SRINIVASA RAO  
    Dist. - Warangal, State - Andhra Pradesh  
Person(s) Killed :

1. Bhanothu Sarvan, Excavator Operator, Male, 24 Years

While a derrick crane was lifting a muck loaded bucket in an opencast granite mine, the lifting rope of the crane snapped and the bucket fell on the operator cabin of an excavator, resulting into almost instantaneous death of the excavator operator.

Had

- i) the rope of the derrick crane been maintained in sound working condition as required under Regulation, 172
- ii) an Engineer been appointed as required under Regulation 36(1) to hold general charge of all the machinery at the mine and to be responsible for installation, maintenance and safe working of machinery,
- iii) adequate lighting been provided as required under Regulation 146(A), and
- iv) a duly qualified manager was appointed at the mine as required under the Regulation 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Section 18(1) & (4) of the Mines Act, 1952 to excercise his control, direction, management and supervision of the workings and persons employed therein,

this accident could have been averted.

Code : 0500	Explosives
Code : 0553	Secondary Blasting Projectiles ( 1 Death)

24. Date - 27/09/12                    Mine - VENDODU STONE MINE  
Time - 16.45                            Owner - M/S SRINIVASA EDIFICE PVT. LTD.  
    Dist. - Nellore, State - Andhra Pradesh  
    Person(s) Killed :

- 1. Poolchand, Blasting Crew, Male, 23 Years

While a gang of three blasting crew and an unqualified blaster were making connections after charging a number of blast holes in secondary blasting, one of the circuits got initiated by lightening and exploded inflicting serious injuries to all the four and one of them succumbed to injuries after ten days later.

Had a duly qualified manager was appointed as required under Regulation 34(1) of the Metalliferous Mines Regulations, 1961 read with Section 17(1) of the Mines Act, 1952 and the blasting operations were conducted by a duly qualified blaster as required under Regulation 160 of the Metalliferous Mines Regulations, 1961 read with Section 18(4) of the Mines Act, 1952, the accident could have been averted, the Metalliferous Mines Regulations, 1961.

Code : 0554	Other Projectiles ( 2 Deaths)
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25. Date - 25/04/12                    Mine - VEERALUR STONE MINE (SF NO. 12/3A2, 3A3)  
Time - 16.00                            Owner - SHRI P. MOHAN  
    Dist. - Kancheepuram, State - Tamil Nadu  
    Person(s) Killed :

- 1. Santhosh, Outsider, Male, 18 Years

While blasting was carried out at opencast workings of the mine, a flying fragment generated due to blasting hit an outsider person at a distance of about 150m from the site of blasting, inflicting injuries which proved fatal instantaneously.

Had

i) a qualified manager been appointed for overall management, control, supervision and direction of the mine for securing thorough supervision of all operations in the mine and enforcement of the requirement of the Act, Regulations and Orders made there under as required under Section 17(1) and Section 18(4) of the Mines Act, 1952 read with Regulation 34 of the Metalliferous Mines Regulations, 1961 and

ii) sufficient warning by efficient signals been given over the entire area falling within a radius of 300 m from place of firing i.e. danger zone and had it been ensured that all persons within such area taken proper shelter, before firing shots as required under Regulation 164(1-A) of the Metalliferous Mines Regulations, 1961

this accident could have been averted.

26. Date - 18/05/12

Mine - NARAYANI GRANITE MINE

Time - 12.30

Owner - B. SRINIVAS

Dist. - Karimnagar, State - Andhra Pradesh

Person(s) Killed :

1. Makal Parsha Ram, Wire Saw Operator, Male, 35 Years

While a wire-saw operator was checking a vertical hole charged with Chemical expansion mortar, suddenly he was hit by ejected small stone piece receiving bodily injuries to which he succumbed immediately.

Had

i) the mine is kept under the general supervision of manager as required under the Regulation 34(1)(a) of the Metalliferous Mines Regulations, 1961, read with Section 18(1) & (4) of the Mines Act, 1952,

ii) the place has been effectively fenced to prevent inadvertent entry after charging with chemical expansion mortar as required under Regulation 46(7) of the Metalliferous Mines Regulations, 1961,

iii) the permission for use of HEMM as required under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 was obtained from this Directorate and

iv) the persons being trained as required under Rule 3 of the Mines Vocational Training Rules, 1966,

this accident could have been averted.

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Code : 0559

Other Explosive Accidents  
( 1 Death)

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27. Date - 13/10/12

Mine - SLV STONE QUARRY

Time - 18.15

Owner - M/S SLV STONE CRUSHER

Dist. - Nellore, State - Andhra Pradesh

Person(s) Killed :

1. Mopuru Chinna Mastanaiah, Labourer, Male, 35 Years

While a labourer was un-authorisedly handling few detonators in an opencast quarry, the same have exploded and the labourer received multiple injuries which he succumbed while taking to hospital.

Had the labourer not handled the detonators, thus negligently or wilfully omitted to take precautions for his own safety as required under the provisions of Regulations 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

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Code : 0800

Falls (Other than Fall of Ground)

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Code : 0881

Fall of Person from Height/into Depth  
( 5 Deaths)

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28. Date - 06/02/12                    Mine - SATALKHERI LIMESTONE MINE  
Time - 10.30                            Owner - ASSOCIATED STONE INDUSTRIES (KOTA) LTD.  
    Dist. - Kota, State - Rajasthan  
    Person(s) Killed :  
    1. Yusuf, Beldar, Male, 28 Years

While a worker was walking towards a stack of vertically kept sized limestone slabs, he felt dizzy and fell down hitting his head on one of the slabs resulting into injury which proved fatal on way to hospital.

As no one could be held responsible for the accident, this is a case of misadventure.

29. Date - 13/02/12                    Mine - LOHAR OIL MINE  
Time - 11.00                            Owner - SELAN EXPLORATION TECH. LTD.  
    Dist. - Mehsana, State - Gujarat  
    Person(s) Killed :

1. Vibhakar Singh, Floorman(Contract), Male, 24 Years

While a derrickman after climbing the ladder on rig mast was going towards monkey board flaper, suddenly, he slipped and fell down from about 18m(60ft.) height on the rig floor, received serious bodily injuries (on head) to which he succumbed on the way to hospital.

Had the derrick man before detaching the hook of fall prevention device on ladder way of the rig mast, secured the clamping hook of his safety belt at the structure of monkey board (derrick floor) and thus not negligently omitting 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.

30. Date - 15/04/12                    Mine - AGARWAL MARBLE CENTRE LTD. MINE ML-69/93  
Time - 9.30                            Owner - AGARWAL MARBLE CENTRE PVT. LTD.  
    Dist. - Jaipur, State - Rajasthan  
    Person(s) Killed :

1. Bodu Ram, Mazdoor, Male, 48 Years

While a mazdoor was walking on top of a marble block of the size of about 6m X 1.5m X 1.2m wet with water and cuttings to pull wire of wire saw cutting machine from another end of the block he suddenly slipped and fell down the block from a height of about 1.5m on to the stones lying on the ground near by sustaining serious bodily injuries on his chest to which he succumbed in a hospital about three hours later.

Had

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

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

as required under the provisions of Regulations 181 and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with section 17(1) and 18(1) & (4) of the Mines Act, 1952, this accident could have been averted.

31. Date - 28/07/12

Mine - SEETHARAMA MICA MINE

Time - 19.00

Owner - SEETHARAMA MINING CO.

Dist. - Nellore, State - Andhra Pradesh

Person(s) Killed :

1. Turimerla Mastan, Mining Mate, Male, 32 Years

While a mining mate was climbing a ladder in a travelling way of an underground mica mine for going to surface, he slipped and fell down from a height of about 2.5m, inflicting injuries to his head for which he succumbed few hours later at hospital.

Had proper care been taken while climbing up the ladder thus not negligently omitted to ensure the safety of himself as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

32. Date - 18/10/12

Mine - BAILDILA IRON ORE MINE, BACHELI COMPLEX

Time - 17.35

Owner - NATIONAL MINERAL DEV. CORPN. LTD.

Dist. - Dantewara, State - Chhattisgarh

Person(s) Killed :

1. Ram Kr. Fanfare, Contract Worker, Male, 32 Years

While two workmen of a contractor were working on a screen assembly at a height of 9.5m from ground level without being secured by safety belt during replacement of the screen assembly in an opencast Iron Ore Mine, one workman lost balance due to slight jerk in the screen assembly, fell down over classifier on ground level, received serious injuries to which he succumbed within one and half hour, another person escaped unhurt.

Had the screen assembly replacement work been properly supervised and thus it been ensured that the persons working at height were secured by safety belt as required under Regulation 41(1)(a), 43 and 53(d) also read with Regulation 114(2) of MMR, 1961, this accident could have been averted.

---

Code : 0883

Fall of Objects incl. Rolling Objects  
( 3 Deaths)

---

33. Date - 07/02/12

Mine - GELEKI DRILLING OIL MINE

Time - 2.15

Owner - OIL & NATURAL GAS CORPORATION LTD.

Dist. - Sibsagar, State - Assam

Person(s) Killed :

1. Bidyut Bikash Baruah, Roastabout, Male, 27 Years

While laying down a 5" dia dill pipe line after completion of drilling operation at an Oil Well, through V-door, using air operated winch, it got off the catwalk and hit on the leg of person guiding the same to which he fell down off the driller side and subsequently got hit by the same drill pipe, inflicting serious bodily injruies to which he died on the way to hospital.

Had the work of laying down of drill pipe line been done by ensuring presence of atleast two persons at catwalk for proper guiding, pushing and throwing it on pipe rack, as per SOP, thus not negligently omitted to ensure the safety of pesons employed therein, as required by Regulation 98 of the Oil Mines Regulations, 1984, this accident could have been averted.

34. Date - 16/05/12  
Time - 15.30

Mine - KHERA TARLA WOLLASTONITE & CALCITE MINE  
Owner - WOLKEM INDUSTRIES LTD.  
Dist. - Udaipur, State - Rajasthan  
Person(s) Killed :

1. Smt. Honi, Worker, Female, 50 Years

While three female workers were picking small mineral lumps at the toe of a loose bench in an open cast working, suddenly one boulder measuring about 1.7m X 1.6m X 1.5m sided/rolled from the edge of the upper bench. Two co-workers swiftly moved away but one worker could not escape and got partly buried underneath the boulder inflicting serious bodily injuries to which she later succumbed on the way to hospital.

Had the boulder been not allowed to remain at the edge of the loose bench in accordance to Regulation 106(4) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

35. Date - 27/07/12  
Time - 14.20

Mine - KURMITAR IRON ORE MINE  
Owner - ORISSA MINING CORPORATION LTD.  
Dist. - Sundergarh, State - Orissa  
Person(s) Killed :

1. Sudarsan Honhaga, Driver, Male, 22 Years

While a person went close to a face of vertical (height 12m) having undercut of ore stack yard of an opencast mine, for nature's call, large mass of ore (about 50 m<sup>3</sup> in volume) slid down, buried him which proved fatal instantly.

Had

- i) the face of the stacked ore not been undercut causing overhanging/dangerous as required under Regulation 106(5) of The Metalliferous Mines Regulation 1961 and
- ii) the dangerous place been fenced off to prevent inadvertent entry, as required under Regulation 117(1) of The Metalliferous Mines Regulations, 1961,

the accident could have been averted.

Code : 0900	Other Causes
Code : 0992	<b>Flying Pieces (Except due to Explosives) ( 3 Deaths)</b>

36. Date - 17/05/12                    Mine - JHANJHAR MARBLE MINE  
                         Time - 11.30            Owner - FIROZ KHAN  
                                                 Dist. - Udaipur, State - Rajasthan  
                         Person(s) Killed :  
    1. Mula Ram Jat, Worker, Male, 27 Years  
    2. Desar Khan, Worker, Male, 30 Years  
    3. Megha Ram, Worker, Male, 35 Years

While three persons were working at the bottom of the quarry in front of a marble block which had been given two cut in advance, suddenly apart of marble block measuring about 5m(width) X 3.5m(thickness) X 10m(height) detached from the plane of weakness and toppled down to a depth of about 2.5m and broke into pieces. Some marble pieces hit all the three persons causing serious bodily injuries to which they succumbed later in hospital.

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 advance cut was not made in the marble block thus negligently endangering the life of the persons employed therein as required under the provisons of Regulation 181 of the Metalliferous Mine Regulations, 1961 read with Section 18(4) of the Mines Act, 1952,

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 1901-2012

SI. 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 Myebya Wolfrom	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 1901-2012**

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 2. Ex. C. I. M. & Explosives 3. W. T. Hooking, Mining Engr. 4. M. C. Narsimhan, (Labour)
	30/06/52	b) Champion Reef Gold (Rock Burst)	10		
	19/08/52	c) Oorgaum Gold (Rock Burst)	1		
3	10/01/83	a) Bhatti Badarpur Stone (Fall of Sides)	1	Justice V. S. Deshpande	1. S. Sankaran 2. S. L. Passy, (INTUC)
	16/01/83	b) Bhatti Badarpur Stone (Fall of Sides)	1		
	24/01/83	c) Bhatti Badarpur Stone (Fall of Sides)	3		

**SECTION – V**

**MISCELLANEOUS**

**STATEMENT NO. 5.1**  
**AVERAGE WEEKLY WAGES FOR METALLIFEROUS MINES ( DECEMBER, 2012 )**

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	Men	Women		
		1	2	3	4	5	6	7	8	9	10	11
	GUJARAT	--	--	--	--	--	--	--	--	--	--	--
	CHHATTISHGARH	--	--	--	2250	--	2089	--	--	1125	--	2000
	ALL INDIA	--	--	--	2250	--	2089	--	--	1125	--	2000
1.	APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	943	458	416	--	--	--	502	340	364	490	
	MADHYA PRADESH	--	--	--	4879	1154	1435	--	3813	2538	--	1409
	RAJASTHAN	--	--	--	7051	1708	612	--	10722	1839	--	2692
	UTTARANCHAL	1380	--	920	--	--	--	--	1255	913	600	952
	WEST BENGAL	--	--	--	4950	1768	1738	--	1630	1768	--	1802
	ALL INDIA	1245	458	896	5976	1352	1674	--	4417	1189	553	1578
2.	ASBESTOS											
	ANDHRA PRADESH	1403	786	539	--	--	--	810	798	500	777	
	RAJASTHAN	--	--	--	899	708	607	--	720	--	--	720
	ALL INDIA	1403	786	539	899	708	607	--	798	798	500	767
3.	BARYTES											
	ANDHRA PRADESH	--	--	--	8991	2396	7321	--	7051	5303	1116	4031
	RAJASTHAN	--	--	--	2184	972	972	--	840	972	--	1044
	ALL INDIA	--	--	--	8590	2350	7102	--	6951	5273	1116	3955
4.	BAUXITE											
	CHHATTISHGARH	--	--	--	6529	1321	2382	1484	4372	4725	1440	1724
	GOA	--	--	--	726	784	--	--	1140	960	--	855
	GUJARAT	--	--	--	4780	1213	3147	488	1901	4768	--	1849
	JHARKHAND	--	--	--	4594	1460	2519	3444	4317	3319	2616	2119
	KARNATAKA	--	--	--	5139	--	2294	--	3670	2856	--	3294
	MADHYA PRADESH	--	--	--	2744	920	2269	3193	2704	1922	1686	1229
	MAHARASHTRA	--	--	--	4291	1259	2479	--	2242	2933	868	1698
	ORISSA	--	--	--	15591	2888	24535	--	39660	7352	--	14615
	TAMIL NADU	--	--	--	6000	2423	--	--	1620	2400	--	2611
	UTTAR PRADESH	--	--	--	936	302	310	--	1459	--	--	406
	ALL INDIA	--	--	--	5461	1279	6034	2059	8212	5440	1571	2870
5.	CALCITE											
	RAJASTHAN	--	--	--	3600	--	1188	--	1170	1188	--	1417
	ALL INDIA	--	--	--	3600	--	1188	--	1170	1188	--	1417
6.	CHINA CLAY, CLAY, WHITE-CLAY											
	CHINA CLAY, CLAY, WHITE-	--	--	--	1132	--	570	--	--	--	--	655
	ANDHRA PRADESH	--	--	--	1606	948	1173	--	1275	741	--	1142
	GUJARAT	--	--	--	1899	842	1027	1697	1878	1116	1116	1116
	HARYANA	--	--	--	925	735	765	--	960	850	--	785
	JHARKHAND	--	--	--	1203	741	595	360	609	818	713	726
	KARNATAKA	--	--	--	5757	1753	3409	--	2986	2923	2932	2843
	KERALA	--	--	--	7468	1843	1875	600	1388	1568	--	1883
	RAJASTHAN	--	--	--	1899	901	905	523	922	901	1238	979
	TAMIL NADU	--	--	--	--	1355	1800	--	1650	--	--	1412
	WEST BENGAL	--	--	--	1286	736	597	--	842	725	--	758
	ALL INDIA	--	--	--	2310	983	1022	902	1121	1292	1165	1164
7.	CHROMITE											
	KARNATAKA	--	--	--	6165	2857	3541	2802	4418	3992	--	3674

**STATEMENT NO. 5.1 (CONT)**

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	Men	Others		
		1	2	3	4	5	6	7	8	9	10	13
	ORISSA	4961	1674	3662	5342	2761	2556	2132	4160	4108	7463	3669
	ALL INDIA	4961	1674	3662	5399	2764	2622	2228	4174	4107	7463	3669
8. COPPER	MADHYA PRADESH	--	--	--	3120	3016	--	--	4206	1973	--	2870
	RAJASTHAN	10645	8347	7952	--	--	--	--	10611	7672	9373	8227
	ALL INDIA	10645	8347	7952	3120	3016	--	--	6268	6053	9373	6534
9. DIAMOND	MADHYA PRADESH	--	--	--	9845	8429	6944	--	6604	7309	--	7595
	ALL INDIA	--	--	--	9845	8429	6944	--	6604	7309	--	7595
10. DOLOMITE	ANDHRA PRADESH	--	--	--	4100	3271	4620	1286	8338	12017	12500	6213
	CHHATTISGARH	--	--	--	5318	1879	3448	3810	3733	1102	--	2931
	JHARKHAND	--	--	--	7862	1590	7863	--	7862	6817	--	2646
	KARNATAKA	--	--	--	4423	2993	2699	--	4017	3838	--	3213
	MADHYA PRADESH	--	--	--	2554	1231	1526	--	--	1231	--	1441
	MAHARASHTRA	--	--	--	4728	1275	1230	--	1182	1442	--	1707
	ORISSA	--	--	--	6340	1113	7041	--	7364	2559	--	2234
	UTTAR PRADESH	--	--	--	11875	3231	--	--	3000	--	--	6642
	ALL INDIA	--	--	--	5096	1902	3860	1501	5631	6310	12500	3533
11. FELSPAR	ANDHRA PRADESH	--	--	--	849	764	955	270	2314	518	--	867
	KARNATAKA	--	--	--	1340	922	798	858	1016	--	554	1023
	MAHARASHTRA	--	--	--	2580	--	--	--	--	--	--	2580
	RAJASTHAN	--	--	--	1061	582	--	--	573	720	--	639
	ALL INDIA	--	--	--	912	743	937	564	1567	573	554	863
12. FIRE-CLAY	ANDHRA PRADESH	--	--	--	--	720	720	--	--	--	--	720
	GUJARAT	--	--	--	1140	837	972	492	--	--	--	812
	ORISSA	--	--	--	4661	2109	3908	--	3557	2048	--	2595
	RAJASTHAN	--	--	--	1294	1102	916	--	953	--	44	912
	TAMIL NADU	--	--	--	1275	495	667	--	792	574	--	593
	WEST BENGAL	--	--	--	1183	950	486	--	1734	660	--	964
	ALL INDIA	--	--	--	2637	1603	3148	492	3344	1991	44	2007
13. FLUORITE	Gujarat	--	--	--	6752	--	4209	--	8189	5282	--	4644
	MAHARASHTRA	--	--	--	6033	1110	1120	--	4242	1083	--	1459
	RAJASTHAN	--	--	--	5798	1027	979	--	1024	888	--	1670
	ALL INDIA	--	--	--	6099	1072	3937	--	5177	2513	--	2530
14. GALENA & SPHALARITE	ANDHRA PRADESH	2772	--	2196	--	--	--	--	--	2760	--	2602
	RAJASTHAN	12272	6628	10725	26829	3714	7096	6999	9939	6119	5113	7501
	ALL INDIA	12084	6628	10663	26829	3714	7096	6999	9939	6113	5113	7493
15. GARNET	TAMIL NADU	--	--	--	832	594	543	--	781	711	--	685
	ALL INDIA	--	--	--	832	594	543	--	781	711	--	685
16. GOLD	JHARKHAND	--	--	--	1350	1170	--	--	1314	--	--	1210
	KARNATAKA	1680	1620	--	--	--	--	--	2880	1800	1500	1702
	ALL INDIA	1680	1620	--	1350	1170	--	--	1836	1800	1500	1475
17. GRANITE	ANDHRA PRADESH	--	--	--	4544	1991	2140	689	2273	2472	2275	2264

**STATEMENT NO. 5.1 (CONT)**

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			
		1	2	3	4	5	6	7	8	9	10	13
	GOA	--	--	--	5413	708	1157	--	4106	648	--	1315
	KARNATAKA	--	--	--	2921	1788	2041	--	2932	1653	--	2016
	KERALA	--	--	--	1414	2018	2100	--	3387	2350	--	2026
	ORISSA	--	--	--	--	--	372	--	--	--	--	372
	TAMIL NADU	--	--	--	2862	1098	1365	624	1563	1404	966	1296
	UTTAR PRADESH	--	--	--	--	--	1676	--	1680	1676	--	1677
	ALL INDIA	--	--	--	3746	1691	1877	642	2139	2086	2061	1928
18.	GRAPHITE											
	JHARKHAND	--	--	--	1341	864	1200	--	1320	1200	--	1096
	ORISSA	--	--	--	1435	583	849	--	974	636	480	692
	TAMIL NADU	--	--	--	8315	3278	1227	--	5271	--	--	2852
	ALL INDIA	--	--	--	2080	801	1062	--	1759	957	480	1005
19.	GYPSUM											
	GUJARAT	--	--	--	1209	726	--	--	--	--	--	968
	JAMMU & KASHMIR	--	--	--	5999	1849	1344	--	2833	5858	--	2272
	RAJASTHAN	--	--	--	6579	1155	3429	2806	5273	3149	4808	3257
	ALL INDIA	--	--	--	6415	1425	3252	2806	5177	3657	4808	2991
20.	IRON											
	ANDHRA PRADESH	--	--	--	2337	940	1520	--	1687	3176	--	1386
	CHHATTISGARH	--	--	--	8518	6624	9185	6000	7756	5546	6019	6755
	GOA	--	--	--	6654	3530	4977	3000	8956	3683	5382	4396
	JHARKHAND	--	--	--	8561	4268	7635	840	12154	4488	600	5056
	KARNATAKA	--	--	--	4971	2918	3019	978	3333	5051	1677	3409
	MADHYA PRADESH	--	--	--	4806	1522	1855	--	2052	1308	--	1875
	MAHARASHTRA	--	--	--	3545	1836	2194	--	3402	2741	--	2181
	ORISSA	--	--	--	3822	1848	3280	660	2400	2531	1146	2299
	RAJASTHAN	--	--	--	3870	1880	6621	--	--	--	--	4701
	ALL INDIA	--	--	--	5379	2638	4555	2364	5176	3935	3471	3691
21.	KYANITE											
	JHARKHAND	--	--	--	4450	1934	1944	--	2065	972	--	1881
	MAHARASHTRA	--	--	--	4201	972	--	--	1487	--	--	1472
	ALL INDIA	--	--	--	4350	1346	1944	--	1632	972	--	1750
22.	LATERITE											
	ANDHRA PRADESH	--	--	--	3123	1763	2913	--	--	--	--	2403
	GUJARAT	--	--	--	1090	--	6000	--	--	--	--	1908
	ALL INDIA	--	--	--	1671	1763	3170	--	--	--	--	2304
23.	LIMESTONE											
	ANDAMAN & NICOBAR ISLA	--	--	--	7200	4200	2160	--	1680	--	1440	3663
	ANDHRA PRADESH	1425	1167	--	4632	2746	3704	1169	4545	3471	8861	3365
	ASSAM	--	--	--	2447	2008	988	--	3269	6188	--	2509
	BIHAR	--	--	--	2763	1889	2695	--	3383	3524	1747	2734
	CHHATTISGARH	--	--	--	6529	3818	5056	58	7311	7117	--	5832
	GUJARAT	--	--	--	5366	2980	3195	4000	3828	4175	1172	3395
	HIMACHAL PRADESH	--	--	--	2626	1817	4471	1120	4259	4388	--	2515
	HARYANA	--	--	--	1500	540	--	--	--	--	--	586
	JHARKHAND	--	--	--	1390	2011	1095	--	2139	3835	1584	2283
	JAMMU & KASHMIR	--	--	--	3058	2334	--	--	2550	--	--	2367
	KARNATAKA	--	--	--	3509	2236	2635	896	5637	4107	2250	2892
	KERALA	--	--	--	--	--	1210	--	--	--	--	1210
	MEGHALAYA	--	--	--	6205	2000	2970	--	5020	1906	--	2641
	MADHYA PRADESH	--	--	--	6141	2774	4124	1140	7516	5289	--	3972
	MAHARASHTRA	3870	10774	--	5981	3173	5208	--	8663	5672	--	4874
	ORISSA	--	--	--	2836	1761	4237	--	3249	2323	15600	2439
	RAJASTHAN	--	--	--	3396	1508	2501	920	3297	2650	1688	1876
	TAMIL NADU	6342	3271	3860	5507	2656	4418	--	2597	3450	--	3315

**STATEMENT NO. 5.1 (CONT)**

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	Men	Others		
		1	2	3	4	5	6	7	8	9	10	13
	UTTARANCHAL	--	--	--	1064	850	780	--	840	1320	--	881
	UTTAR PRADESH	--	--	--	7120	2838	8596	--	4946	--	--	4534
	ALL INDIA	5038	5457	3860	4215	2135	3430	900	4520	4121	2101	2978
24. MAGNESITE	JHARKHAND	--	--	--	--	--	--	--	--	--	--	--
	KARNATAKA	--	--	--	3698	2369	2602	1224	3108	2476	1200	2648
	TAMIL NADU	--	--	--	2418	2492	1655	--	4232	1451	--	2323
	UTTARANCHAL	--	--	--	3317	2464	3078	--	3443	3464	--	3001
	ALL INDIA	--	--	--	2652	2470	2207	1224	3615	2296	1200	2494
25. MANGANESE	ANDHRA PRADESH	--	--	--	2132	1742	919	2384	1557	1482	650	1633
	GOA	--	--	--	1559	762	1211	319	1511	1124	1287	930
	JHARKHAND	--	--	--	712	1038	1324	--	966	765	--	960
	KARNATAKA	--	--	--	2967	1054	847	611	4228	1636	842	1555
	MADHYA PRADESH	5156	2783	6196	3804	600	716	490	4039	2749	--	2680
	MAHARASHTRA	8514	9814	11262	6787	7529	12170	3316	6573	5593	7477	8224
	ORISSA	--	--	--	5326	1587	1794	475	6030	2329	403	2100
	ALL INDIA	6998	7673	10272	3783	1915	2759	1182	4735	2861	2492	3170
26. MARBLE	GUJARAT	--	--	--	1868	1720	1093	--	3363	1650	--	1810
	MADHYA PRADESH	--	--	--	7223	3211	--	--	2599	--	--	3042
	RAJASTHAN	--	--	--	1528	1049	1681	--	1147	1467	--	1316
	ALL INDIA	--	--	--	1881	1594	1508	--	2391	1617	--	1698
27. MICA	ANDHRA PRADESH	1853	1096	827	1493	1335	762	440	1084	1070	1422	1105
	BIHAR	1108	913	--	1884	1125	--	--	706	1179	--	997
	JHARKHAND	1488	881	463	1590	1901	540	--	848	429	--	883
	ALL INDIA	1681	989	739	1528	1356	759	440	945	969	1422	1043
28. OCHRE	ANDHRA PRADESH	--	--	--	1620	1080	--	--	--	--	--	1116
	GUJARAT	--	--	--	1074	818	858	--	--	--	--	835
	ALL INDIA	--	--	--	1256	899	858	--	--	--	--	919
29. QUARTZ	ANDHRA PRADESH	--	--	--	1156	550	1570	452	1617	646	468	673
	CHHATTISGARH	--	--	--	1416	728	600	600	1233	--	--	720
	JHARKHAND	--	--	--	1560	1649	1122	--	1139	1653	--	1615
	ORISSA	--	--	--	2493	500	1037	--	8924	1147	--	1638
	RAJASTHAN	--	--	--	2266	1155	1397	--	944	2160	--	1292
	TAMIL NADU	--	--	--	4997	3088	1119	--	3443	--	--	2364
	ALL INDIA	--	--	--	1643	794	1302	591	1789	1530	468	932
30. SALT	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	928	--	928
	ALL INDIA	--	--	--	--	--	--	--	--	928	--	928
31. SANDSTONE	ANDHRA PRADESH	--	--	--	6000	1002	6000	--	5200	--	--	1262
	GUJARAT	--	--	--	1296	--	--	--	1200	--	--	1248
	HARYANA	--	--	--	--	--	--	--	--	--	--	--
	JHARKHAND	--	--	--	1818	1250	--	--	--	--	--	1331
	RAJASTHAN	--	--	--	2314	2119	1800	1290	2500	2229	--	2118
	ALL INDIA	--	--	--	2761	1760	2500	1290	2925	2229	--	1853
32. SELENITE	RAJASTHAN	--	--	--	9986	487	576	--	7441	4895	4678	2530

**STATEMENT NO. 5.1 (CONT)**

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			
		1	2	3	4	5	6	7	8	9	10	13
	ALL INDIA	--	--	--	9986	487	576	--	7441	4895	4678	2530
33.	SILICA											
	ANDHRA PRADESH	--	--	--	1020	836	777	368	840	--	--	798
	GUJARAT	--	--	--	1145	--	--	--	--	--	--	1145
	HARYANA	--	--	--	1153	716	703	--	750	701	--	743
	KARNATAKA	--	--	--	2298	2039	444	--	--	--	--	2064
	MAHARASHTRA	--	--	--	1014	555	593	410	1443	1236	--	802
	RAJASTHAN	--	--	--	1723	745	1076	--	1053	1054	960	967
	TAMIL NADU	--	--	--	5788	734	--	--	5118	2313	--	1156
	UTTAR PRADESH	--	--	--	--	--	--	--	--	--	--	--
	ALL INDIA	--	--	--	1499	741	803	403	975	950	960	868
34.	SILLIMANITE											
	KERALA	--	--	--	11498	9424	7925	--	13762	9047	6805	9677
	MAHARASHTRA	--	--	--	2761	1199	2893	--	2964	1918	--	1557
	ORISSA	--	--	--	14520	10185	10200	--	9602	9300	9300	9481
	TAMIL NADU	--	--	--	13470	2847	1317	--	20549	10998	--	4944
	ALL INDIA	--	--	--	9187	3291	5396	--	14671	9394	7579	7112
35.	SLATE											
	HARYANA	--	--	--	1098	656	720	--	1062	1170	648	682
	RAJASTHAN	--	--	--	181	611	--	--	600	--	--	579
	ALL INDIA	--	--	--	915	652	720	--	831	1170	648	673
36.	STEATITE											
	ANDHRA PRADESH	1820	1088	--	796	706	1070	360	899	1284	--	805
	BIHAR	--	--	--	720	1230	1008	--	--	--	--	932
	JHARKHAND	--	--	--	3675	1206	997	--	1080	--	--	1666
	MADHYA PRADESH	--	--	--	2830	1214	776	777	2437	680	786	890
	ORISSA	--	--	--	615	398	508	--	--	660	--	461
	RAJASTHAN	1038	771	612	2416	1004	1836	554	1745	1381	951	1397
	TAMIL NADU	--	--	--	--	--	--	--	--	--	--	--
	UTTARANCHAL	--	--	--	2003	1048	1550	1440	1118	1224	--	1130
	UTTAR PRADESH	--	--	--	2890	--	535	535	2723	535	529	603
	ALL INDIA	1507	881	612	1918	988	1571	650	1508	1188	800	1210
37.	STONE											
	ANDHRA PRADESH	--	--	--	855	667	553	--	872	--	--	715
	BIHAR	--	--	--	4404	1731	--	--	2577	6067	--	3286
	GOA	--	--	--	2319	996	1039	950	1581	1276	--	1098
	HARYANA	--	--	--	1447	1081	960	--	938	932	--	1048
	JHARKHAND	--	--	--	987	723	804	468	1259	762	523	802
	KARNATAKA	--	--	--	747	578	--	--	803	374	--	611
	MAHARASHTRA	--	--	--	1373	1042	1146	--	1022	978	--	1068
	ORISSA	--	--	--	1717	1326	816	--	1020	1250	--	1306
	TAMIL NADU	5550	3900	2500	1343	668	660	--	1828	--	--	819
	UTTAR PRADESH	--	--	--	4002	1920	892	--	1644	1014	--	1515
	WEST BENGAL	--	--	--	2003	1079	1629	--	1723	1247	492	1362
	ALL INDIA	5550	3900	2500	1230	907	1000	580	1219	976	523	991
38.	VERMICULITE											
	TAMIL NADU	--	--	--	14011	4017	7778	--	4352	4350	--	5094
	ALL INDIA	--	--	--	14011	4017	7778	--	4352	4350	--	5094
39.	WOLLASTONITE											
	RAJASTHAN	--	--	--	2330	846	1844	556	2309	1087	469	1240
	ALL INDIA	--	--	--	2330	846	1844	556	2309	1087	469	1240
40.	DUNITE											
	KARNATAKA	--	--	--	4230	1980	--	--	--	--	--	3105

**STATEMENT NO. 5.1 (CONT)**

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		
		1	2	3	4	5	6	7	8	9	10	11	12
	ALL INDIA	--	--	--	4230	1980	--	--	--	--	--	--	3105
	ALL INDIA (NON-COAL)	7335	6419	7307	4054	2000	3547	1132	4582	3937	2040	3143	

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

MINERAL / STATE	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
<b>BAUXITE</b>								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISHGARH	1558.71	1573.17	1637.46	1888.55	1987.59	2444.42	2793.57	3956.46
GUJARAT	1457.85	1474.92	1482.58	1575.11	2166.05	2539.25	2694.59	3558.91
JHARKHAND	2975.66	3000.06	3819.00	4179.22	4524.15	4673.91	4663.23	5639.69
MADHYA PRADESH	1498.33	1498.79	1498.79	1467.11	1825.46	1883.73	2298.06	2717.89
ALL INDIA	1889.20	1902.27	2132.36	2303.85	2610.43	2855.80	3107.08	3955.48
<b>CHINA CLAY,CLAY,WHITE-CLAY</b>								
BIHAR	--	--	--	--	--	--	--	--
GUJARAT	2894.53	2936.66	2895.09	2991.17	3018.24	3018.24	1145.02	3412.20
JHARKHAND	2494.95	2809.57	2669.81	2716.65	3097.43	3097.43	3498.30	4109.81
ALL INDIA	2624.81	2850.87	2743.03	2805.87	3071.69	3071.69	2733.48	3883.09
<b>CHROMITE</b>								
ORISSA	2148.03	2078.23	2272.56	2300.13	2478.98	2458.10	3839.54	5274.99
ALL INDIA	2148.03	2078.23	2272.56	2300.13	2478.98	2458.10	3839.54	5274.99
<b>COPPER</b>								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	2103.21	--	--	--	--	--	1305.01	--
RAJASTHAN	2003.44	2152.21	2322.13	2832.65	4121.27	4121.27	4184.12	5739.47
ALL INDIA	2070.85	2152.21	2322.13	2832.65	4121.27	4121.27	2238.71	5739.47
<b>DOLOMITE</b>								
CHHATTISHGARH	791.65	--	1575.33	1575.33	5642.83	5642.83	5642.83	3799.58
GUJARAT	--	--	--	--	--	--	--	--
MADHYA PRADESH	1132.25	1489.20	1419.40	1426.69	1430.00	1430.00	1928.95	2314.34
ORISSA	620.97	620.97	1290.57	1750.41	2216.35	2216.35	2032.79	1943.42
ALL INDIA	899.30	1219.68	1459.37	1546.83	3293.88	3293.88	3463.80	2852.37
<b>FIRE-CLAY</b>								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	1407.70	--	--	--	--	--	--	--

**STATEMENT NO. 5.2 (CONT)**

MINERAL / STATE	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
MADHYA PRADESH	1961.42	--	--	--	--	--	--	--
ORISSA	1079.46	1115.89	971.48	869.97	881.16	881.16	1471.41	4087.99
ALL INDIA	1472.83	1115.89	971.48	869.97	881.16	881.16	1471.41	4087.99
GALENA & SPHALARITE								
RAJASTHAN	1590.53	1626.31	2269.26	2497.11	3924.88	3924.88	4193.85	5318.85
ALL INDIA	1590.53	1626.31	2269.26	2497.11	3924.88	3924.88	4193.85	5318.85
GOLD								
KARNATAKA	1401.55	1407.61	1407.61	1428.38	1428.38	1428.38	1404.64	1222.85
ALL INDIA	1401.55	1407.61	1407.61	1428.38	1428.38	1428.38	1404.64	1222.85
GYPSUM								
RAJASTHAN	1463.51	1479.73	2241.12	3261.73	3977.83	3977.83	4430.38	5125.91
TAMIL NADU	--	--	--	--	--	--	--	--
ALL INDIA	1463.51	1479.73	978.70	1424.40	1737.12	1737.12	4430.38	5125.91
IRON								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISHGARH	2619.00	--	3674.26	4735.94	7055.98	13170.90	8615.40	11206.80
GOA	1951.46	2000.25	1996.99	2861.85	2976.27	4150.50	4141.85	5539.02
JHARKHAND	1631.61	1924.88	3571.46	3485.90	3377.39	3951.57	4267.57	5690.38
KARNATAKA	2284.08	2383.96	2551.42	2556.10	3701.65	5633.78	5956.00	7112.22
MADHYA PRADESH	--	--	--	684.88	1441.79	1441.79	1441.79	2572.21
ORISSA	1566.71	1801.98	1857.24	2408.25	2924.51	3435.23	3945.11	3846.93
ALL INDIA	2075.07	1987.55	2819.53	2736.33	3717.81	5716.94	4745.74	6068.21
LIMESTONE								
BIHAR	1763.93	1784.53	1853.30	1925.82	1925.82	2777.68	2953.70	3351.38
CHHATTISHGARH	1970.33	2223.56	2304.19	2671.62	3654.57	4668.70	4898.41	6488.91
JHARKHAND	1610.73	1717.18	1763.88	2308.84	2913.92	1901.42	2066.37	2885.97
MADHYA PRADESH	1497.10	1578.33	1923.85	2470.90	3035.73	3731.96	4179.85	4951.23
ORISSA	810.79	--	139.45	1107.60	1336.59	1565.89	1745.23	2580.12
RAJASTHAN	1618.49	1642.05	1426.82	1707.24	1974.69	2259.82	2687.78	3336.76
TAMIL NADU	1544.18	1454.35	1424.91	1559.00	1466.83	1491.41	1693.92	2486.51
ALL INDIA	1525.31	1763.09	1534.04	1990.57	2397.50	2739.53	3000.85	3864.81
MAGNESITE								
TAMIL NADU	2517.73	2563.45	2563.45	3646.95	3845.34	3271.89	2516.89	2905.56
ALL INDIA	2517.73	2563.45	2563.45	3646.95	3845.34	3271.89	2516.89	2905.56

**STATEMENT NO. 5.2 (CONT)**

MINERAL / STATE	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9
<b>MANGANESE</b>								
KARNATAKA	1601.14	1665.40	1697.63	2258.31	2135.49	2513.31	2740.02	3394.71
MADHYA PRADESH	1573.95	1576.72	2949.16	2404.68	4705.25	2675.18	2881.28	3960.18
MAHARASHTRA	2581.24	2646.31	3811.62	4680.50	9686.50	10640.20	12037.00	20408.30
ORISSA	1478.80	1867.08	1876.24	1904.58	2675.24	2898.83	3369.25	3776.22
ALL INDIA	1737.67	1867.38	2518.78	2649.33	4446.52	4132.49	4627.68	6744.42
<b>MICA</b>								
ANDHRA PRADESH	1702.20	1726.07	1776.53	2101.17	2950.28	3476.93	3681.23	4417.90
BIHAR	--	--	--	--	1424.38	1426.98	1569.97	1885.57
JHARKHAND	1049.39	1226.16	1226.16	1196.81	1143.00	1634.45	1634.45	1962.26
RAJASTHAN	--	--	--	--	--	--	--	--
ALL INDIA	1243.01	1374.43	1389.40	1465.04	1573.88	1869.59	1964.21	2358.17
<b>STEATITE</b>								
RAJASTHAN	1893.54	1937.68	1942.00	2102.03	2517.22	2805.25	3031.12	3636.87
ALL INDIA	1893.54	1937.68	1942.00	2102.03	2517.22	2805.25	3031.12	3636.87
<b>STONE</b>								
BIHAR	1403.95	--	--	1585.99	5886.80	5886.80	7155.15	8586.33
GUJARAT	1232.99	--	--	--	--	--	--	--
JHARKHAND	1707.61	1714.21	2041.67	2032.69	2667.88	2520.03	2493.34	3010.74
MAHARASHTRA	1135.44	1139.58	1177.29	1199.92	1295.60	1295.60	1395.73	1670.01
ALL INDIA	1442.53	1564.94	1817.14	1718.37	3832.27	3769.38	4312.48	5182.29
ALL INDIA (METALLIFEROUS)	1783.23	1848.27	2151.50	2327.76	3158.30	3757.66	3607.71	4806.86

**June 2015**

**Price** { Inland: ₹ 550.00  
Foreign: £ 7.90, 12.10